



جامعة أبوظبي  
ABU DHABI UNIVERSITY

# UNDERGRADUATE CATALOG 2019-2020



**WSC**  
Senior College and  
University Commission



**AACSB**  
ACCREDITED



Engineering  
Accreditation  
Commission



Computing  
Accreditation  
Commission

**RIBA**   
Architecture.com



# UNDERGRADUATE CATALOG

## 2019-2020

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## NATIONAL ACCREDITATION:

Abu Dhabi University is licensed by the United Arab Emirates Ministry of Education, and all of its degree programs have received accreditation by the Ministry of Education, Department of Education and Knowledge (ADEK), and Knowledge and Human Development Authority (KHDA).



## INTERNATIONAL ACCREDITATION:

ADU is the only national private University in the UAE and one of the youngest in the world under 15 years old to receive international academic accreditation from the "Western Association of Schools and Colleges: Senior College and University Commission -WSCUC". ADU's international accreditation is for a period of 6 years, and was awarded for the University's success in upholding the highest international academic standards of higher education institutions worldwide in teaching, scientific research and community service and for its commitment to three core values: student learning and success outcomes, quality and improvement, and institutional integrity, sustainability and accountability.

ADU's College of Business is both EQUIS and AACSB accredited. Only 1% of business schools worldwide have this double accreditation, the leading international system of quality assessment, improvement and accreditation of higher education institutions in management and business administration, for all its undergraduate and postgraduate programs. Additionally, the College of Engineering has also earned the accreditation of the world renowned Engineering Accreditation Commission (EAC) and Computing Accreditation Commission (CAC) of ABET for five of its engineering programs. ADU houses the only architecture program to hold accreditation by the Royal Institute of British Architects (RIBA).

## SKEA:



In 2010, Abu Dhabi University outdid a large number of industrial and developmental institutions in the country and became the first higher education institution to win the prestigious Sheikh Khalifa Excellence Award for pursuing excellence in all of its operations while achieving its primary strategic objectives and goals.

## MOHAMMED BIN RASHID AL MAKTOUM BUSINESS AWARDS:



At the conclusion of The World Entrepreneurship Forum 2013, Abu Dhabi University was awarded "Best Supporting University for Entrepreneurship" in the UAE and the Arab World during the Mohammed Bin Rashid Award for Young Business Leaders in its 8th cycle. Organized by the Mohammad Bin Rashid Establishment for Small and Medium Size Enterprises Development, the awards held under the patronage of His Highness Sheikh Mohammad Bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, recognize individuals and organizations who contribute to the development of SME sectors in the country, which earned ADU this significant achievement.



## QUACQUARELLI SYMONDS:

For its seventh year in a row, Abu Dhabi University is the youngest higher education institution to enter the ranks of the world's top 701 - 750 universities in Quacquarelli Symonds (QS) world university rankings of 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019 and 2019-2020. ADU is ranked 2nd on the "International Faculty Index" for its faculty's diverse cultural backgrounds, and tenth on the "International Student Index" for its international student body. Moreover, ADU also ranked in QS's top 150 leading institutions under 50 years, the top 27 universities in the Arab World, and the top 6 in the UAE\*.



## THE BIZZ AWARDS:

Organized by the World Confederation of Businesses (WORLDCOB), the prestigious Bizz award recognizes companies and organizations for innovation, business excellence and outstanding management performance, making Abu Dhabi University one of the first higher education institutions to ever receive the Bizz award in the Middle East region for three years running, including the recognition of the "Inspirational Company" in the Bizz Awards 2012.

\*QS World University Rankings

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## MESSAGE FROM THE CHAIRMAN

Abu Dhabi University's journey began 16 years ago in 2003, out of a desire to build the first private university in Abu Dhabi, under the guidance and direction of the Ruler's Representative in Al Dhafra Region and President of the Abu Dhabi University Board of Regents, H.H Sheikh Hamdan Bin Zayed Al Nahyan. Today, not far into its second decade, our young University has several significant and remarkable achievements to its name. Furthermore, Abu Dhabi University is the only private university in the UAE to serve students across three campuses – Abu Dhabi, Al Ain and now Dubai.

These accolades set ADU apart from its local and regional competition, and elevate it to international standards. We are especially proud of our success in receiving international accreditation and institutional recognition from the Western Association of Schools and Colleges Senior College and University Commission (WSCUC), thereby making all its undergraduate and postgraduate degrees internationally recognized. This acknowledgement places Abu Dhabi University in the ranks of other prestigious peers accredited by WSCUC such as Caltech, UCLA and Stanford University.

Throughout its history, Abu Dhabi University has forged a path of excellence by implementing innovative initiatives and international standards in teaching, research and community service. There is no question that the university is at the forefront of the UAE's higher educational scene. In addition to the WSCUC accreditation, five programs offered by the College of Engineering have been accredited by the world-renowned Engineering Accreditation Commission and Computer Accreditation Commission of ABET. Furthermore, the College of Business Administration received international accreditation for all its undergraduate and postgraduate programs from both the Association to Advance Collegiate Schools of Business (AACSB), and the prestigious EFMD Quality Improvement System (EQUIS), the leading international system of quality assessment, improvement and accreditation of higher education institutions in management and business administration.

Abu Dhabi University was also the first university to receive the Sheikh Khalifa Excellence Award in 2010. For its support and patronage of entrepreneurship, ADU was also awarded the "Best Supporting University for Entrepreneurship" in the UAE and the Arab World during the Mohammed Bin Rashid Award for Young Business Leaders in its 8th cycle. Today, Abu Dhabi University is one of a select few universities in the UAE to enter the ranks of the world's top 750 universities in Quacquarelli Symonds (QS) world university rankings. ADU's unfailing commitment to quality standards related to the design, development and delivery of its academic programs and associated support services is evidenced by continual renewal of ISO certification.

As the capital's most prestigious national private university, Abu Dhabi University is also committed to supporting the Government's policy agenda and its Economic Vision 2030. We continuously strive to ensure that our programs are aligned with the market requirements as well as the forecasted manpower needs as defined by the Government's strategy. Furthermore, while we take pride in the fact that we offer an American curriculum driven by best international practices, we remain firmly committed to the traditions and culture of the UAE. Therefore, our students are competitively prepared to face the global work environment, yet they remain in touch with their national identity and cultural heritage. Our high employment rate stands as testimony to our successful philosophy and we are very proud to have been a part of their preparation for the road ahead.

Our great country has been blessed with its wise leadership, and it is only natural that in their honor, Abu Dhabi University continues to actively mentor the next generation, participating in building a specialized national human capital that is equipped with the skills needed to be successful leaders. Therefore, as you take your first steps towards your journey of development and intellectual challenge, Abu Dhabi University is proud to be your University of choice and an active partner in your future success.

**At Abu Dhabi University... today we create tomorrow's success.**

**Ali Saeed Bin Harmal AlDhaheri**  
**Chairman of the Board of Directors**

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Director, Information Management and Technology Services

Director, Finance





## CHANCELLOR'S WELCOME

Dear Students,

Thank you for your interest in Abu Dhabi University.

Since it opened in 2003, Abu Dhabi University has been dedicated to the intellectual development of individuals who will graduate to be leaders, making a positive contribution to national and global betterment and prosperity. This mission, however, is not limited to educating students: it is extended to the University's proactive participation in the national development process that will transform the UAE into a knowledge-based economy.

Although a young institution, in 2018 we had 7500 students enrolled in our undergraduate and postgraduate programs, our alumni numbers had reached over 9000, and in three consecutive years the employment rate of Abu Dhabi University graduates had averaged an impressive 90% within a year of graduation.

You will be joining an institution recognized internationally for the quality and relevance of its education and research. This is evident in our global rankings: we are in the top 2.8% of world universities and in the top 150 universities under 50 years of age (QS World University Rankings 2018). Diversity of cultures and talents underpins the success of the world's top universities as well as the most successful cities. The QS rankings show us to be among the world's elite universities for the diversity of our faculty and students (top ten for both). With most of the world's nations represented among our students and staff, you will meet with, learn from, and form friendships with talent from across the world.

The quality of our programs is also evident in the accreditations we hold. Colleges of Business and Engineering have achieved the prestigious AACSB, EQUIS and ABET international accreditations. All of the University's programs are internationally accredited by the Western Association of Schools and Colleges (WASC). You can rest assured that your Abu Dhabi University degree will be recognized and respected by employers and higher education institutions internationally.

Abu Dhabi University's success stems from clarity of vision and values. We regard students and faculty as a community of scholars, together pursuing knowledge, supported by great professional staff and excellent estate and facilities. We continue to invest in our facilities: in 2017 we added a new building to expand our laboratory provision for engineering and science, completed an extension to the student dormitories, and updated our facilities overall. In September 2017, we opened our Dubai Campus, located in an iconic building in Dubai Knowledge Park, and early 2018 saw the launch of our Al Dhafra region campus. We expect our comprehensive new Campus in Al Ain to be open to students in 2020.

Students and faculty make a university what it is. My job is to harness this collective talent to further enhance the University's reputation and to contribute to the economy and society in and beyond the United Arab Emirates. Above all, I want to ensure that your time at Abu Dhabi University is a memorable one, not only for helping you achieve your full academic potential and providing you with the skills and qualifications for productive careers, but also for supporting your personal growth as a well-rounded and productive citizen.

I look forward to welcoming you to Abu Dhabi University.

**Professor Waqar Ahmad FAcSS PhD BA**  
**Chancellor, Abu Dhabi University**



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# ABOUT ABU DHABI UNIVERSITY

## **Institutional Licensure and Program Accreditation**

Any institution located in the UAE that issues academic degrees, certificates, or diplomas must be licensed and have its programs accredited in order to be officially recognized by the UAE Ministry of Education. Abu Dhabi University obtained institutional accreditation from the UAE's Ministry of Education in 2003. The University and all its programs are accredited and approved by the UAE Ministry of Education.

## **International Accreditation**

In addition to its UAE accreditation, Abu Dhabi University has been committed to obtaining accreditation by international university-accrediting bodies.

### **ABET (Accreditation Board for Engineering and Technology, USA) Accreditation**

ABET is the highest accrediting agency in the USA for programs in applied science, computing, engineering, and technology. ABET accredits individual degree programs, and guarantees that a specific degree program meets high quality standards of the profession for which it prepares its graduates.

The following programs at Abu Dhabi University are currently accredited by ABET - B.Sc. in Civil Engineering, B.Sc. in Electrical Engineering, B.Sc. in Computer Engineering, B.Sc. in Mechanical Engineering, B.Sc. in Information Technology.

### **RIBA (Royal Institute of British Architects) Accreditation**

Abu Dhabi University's Bachelor of Architecture program has received RIBA Validation from the Royal Institute of British Architects (RIBA), making it the first and only program in the UAE to receive this accreditation.

RIBA Validation is one of the highest accolades awarded to an architecture program, and is based on the assurance of international quality standards in architectural education.

### **AACSB (USA) & EQUIS (European) Accreditation**

The College of Business at Abu Dhabi University is accredited by both the US-based AACSB and the EU-based EQUIS for all of its Bachelors, Masters, and Doctoral programs in Business. Our College of Business is both EQUIS and AACSB accredited. Only 1% of business schools worldwide have this double accreditation.

### **WASC (Western Association of Schools and College, USA) Accreditation**

In February 2016, Abu Dhabi University as an institution was accredited by the Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges (WASC). WASC is one of the six official academic bodies in the United States, responsible for the accreditation of public and private universities, colleges, secondary, and elementary schools, and of foreign institutions of American origin. The Accrediting Commission for Senior Colleges and Universities is the division of WASC that accredits public and private senior colleges and universities. ADU is the only private university in the Middle East to have received WASC accreditation.



## Current Abu Dhabi University Undergraduate Programs

The following list includes the undergraduate academic programs that are accredited by the CAA and are currently being offered:

### College of Arts and Sciences

Bachelor of Arts in Mass Communication  
Bachelor in Mass Communication (Arabic)  
Bachelor of Arts in Persian Language  
Bachelor of Science in Environmental Health and Safety  
Bachelor of Science in Public Health

### College of Business

Bachelor of Business Administration  
Bachelor of Business Administration in Accounting aligned with CIMA  
Bachelor of Business Administration in Finance aligned with CFC, CIPFA and IPFM  
Bachelor of Business Administration in Human Resources Management  
Bachelor of Business Administration in Management  
Bachelor of Business Administration in Digital Marketing  
Bachelor of Business Administration in Innovation and Entrepreneurship

### College of Engineering

Bachelor of Architecture  
Bachelor of Science in Aviation  
Bachelor of Science in Chemical Engineering  
Bachelor of Science in Civil Engineering  
Bachelor of Science in Computer Engineering  
Bachelor of Science in Electrical Engineering  
Bachelor of Science in Information Technology  
Bachelor of Science in Interior Design  
Bachelor of Science in Mechanical Engineering

### College of Law

Bachelor of Law in Arabic



## Vision

Abu Dhabi University will be a leading university in the MENA region, preparing graduates with the knowledge, skills and mindset to develop the leaders of tomorrow.

## Mission

At Abu Dhabi University, students are at the heart of everything we do. We prepare graduates for dynamic careers through transformative world-class education, enriched by innovative and flexible programs, international accreditations, applied research, and impactful industry and community engagement.

## Values

### Excellence

We hold ourselves accountable to the highest standards of performance in everything we do.

### Innovation

We inspire creativity, encouraging innovation to enhance the student experience and maintain global relevance.

### Teamwork

We work together, and with our partners, as one team.

We celebrate and respect our diversity and build lasting relationships to achieve our shared ambitions.

### Integrity

We uphold the highest moral and ethical standards in all that we do.

## Strategic Goals

ADU's strategic goals for the period 2017-2022 include:

1. Engaging Students, Alumni and Partners;
2. Holistic Learning Experience;
3. Service Excellence;
4. Growth and Diversification;
5. Working Better Together; and
6. Ensuring Financial Sustainability.

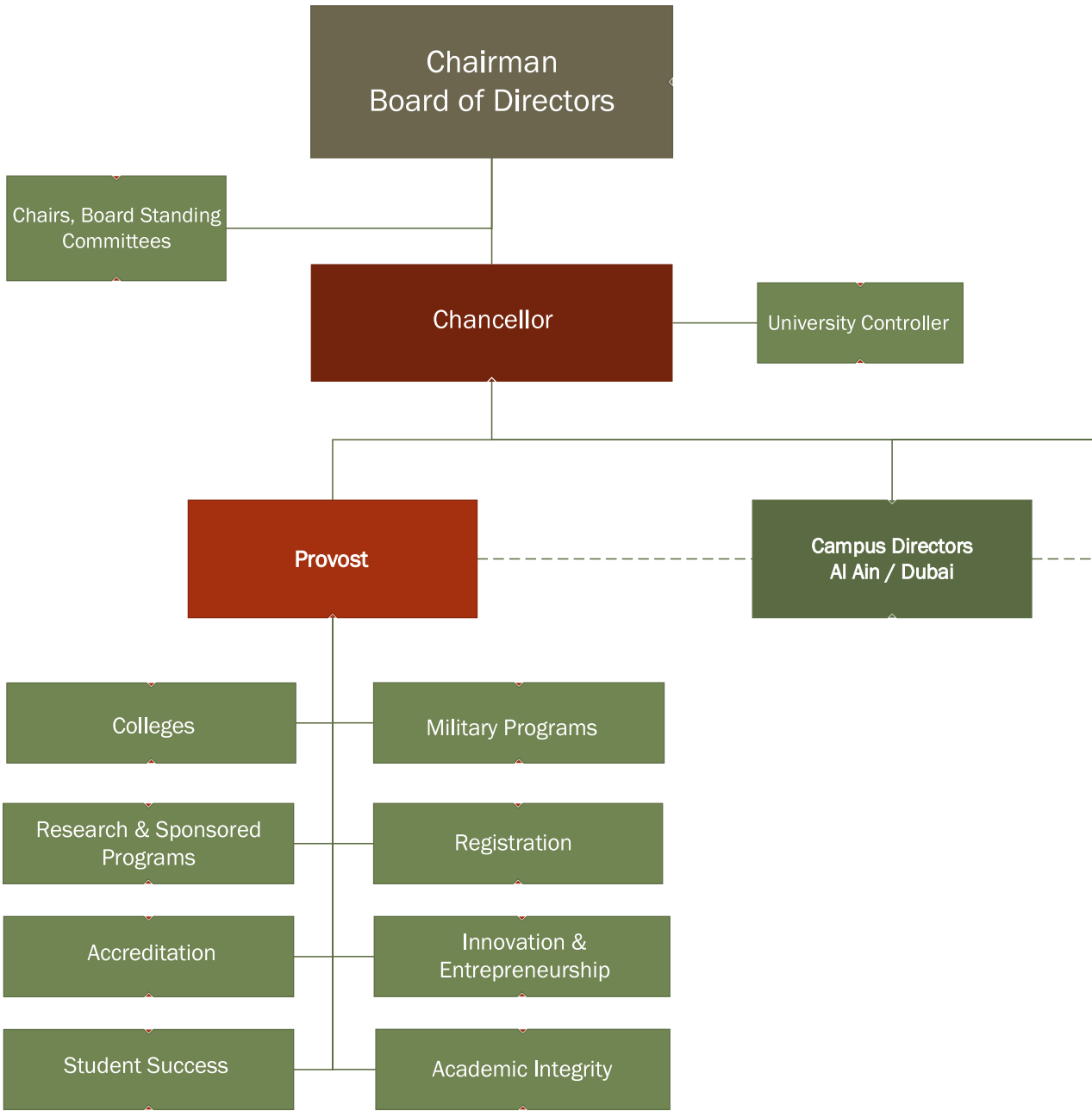


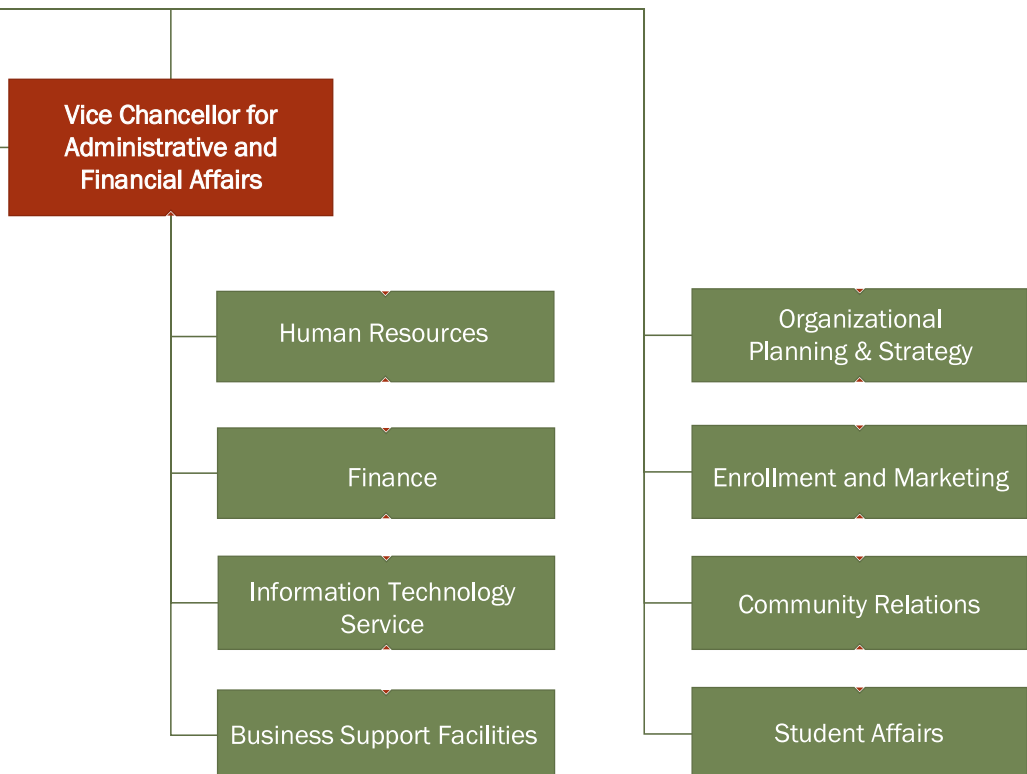






# Abu Dhabi University Organizational Chart

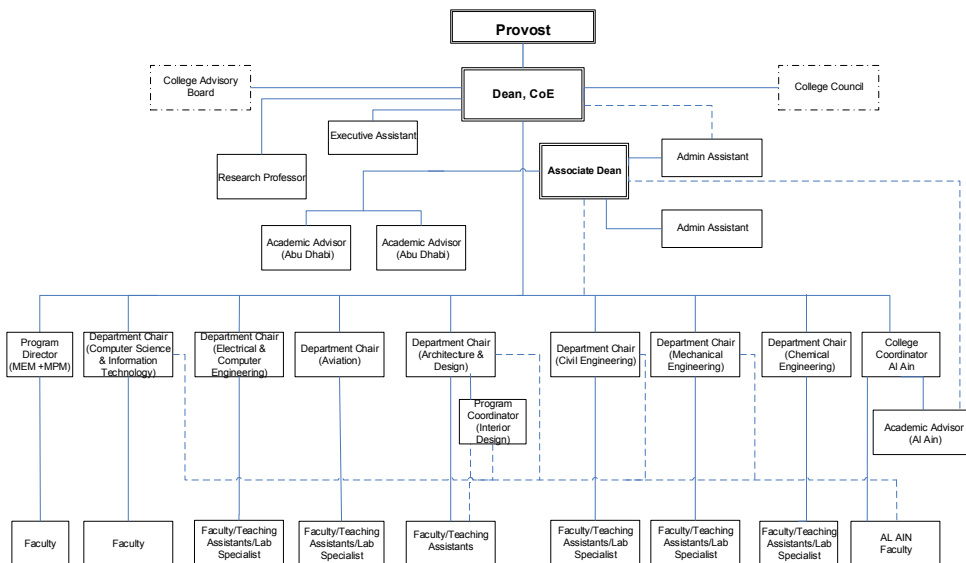




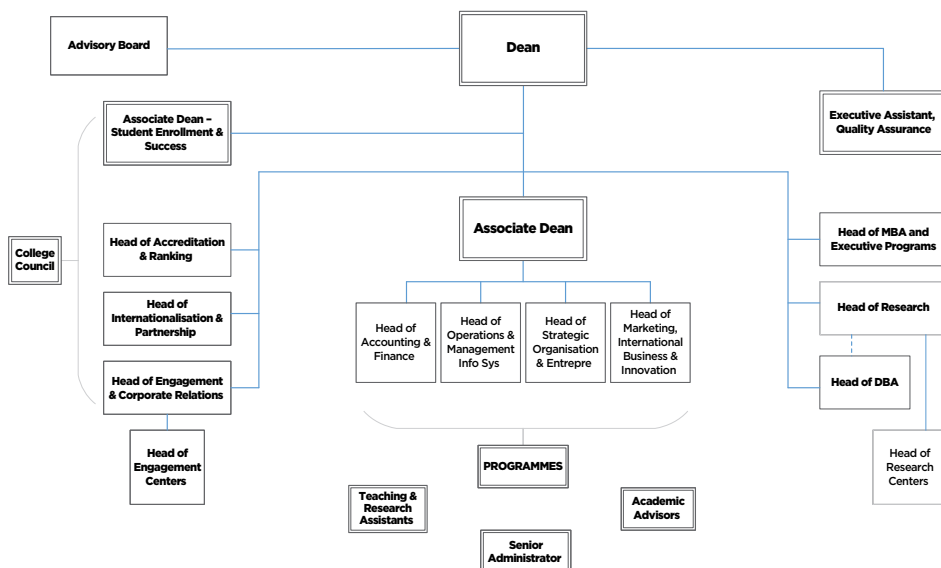


## Abu Dhabi University College Organizational Charts

### COLLEGE OF ENGINEERING

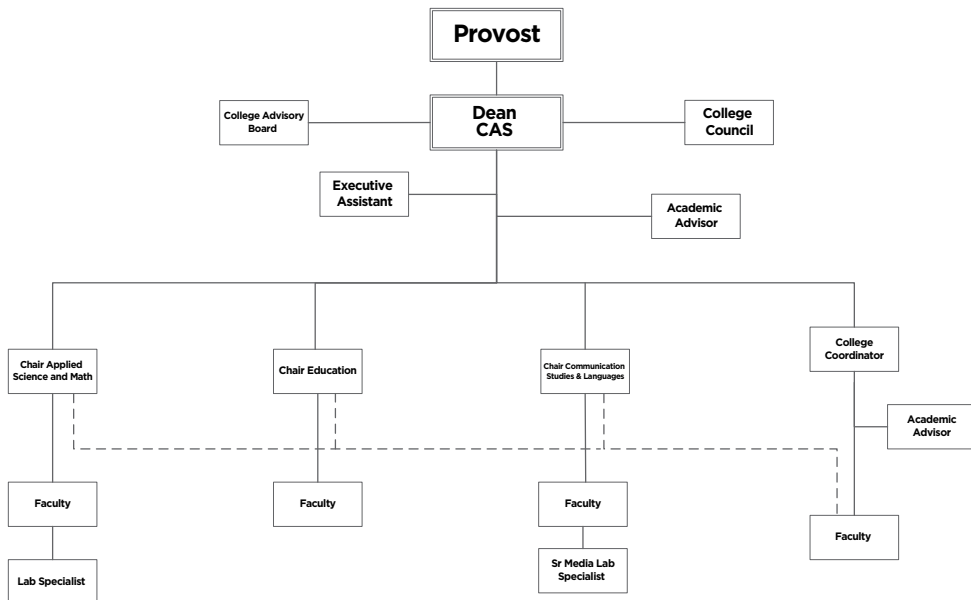


### COLLEGE OF BUSINESS

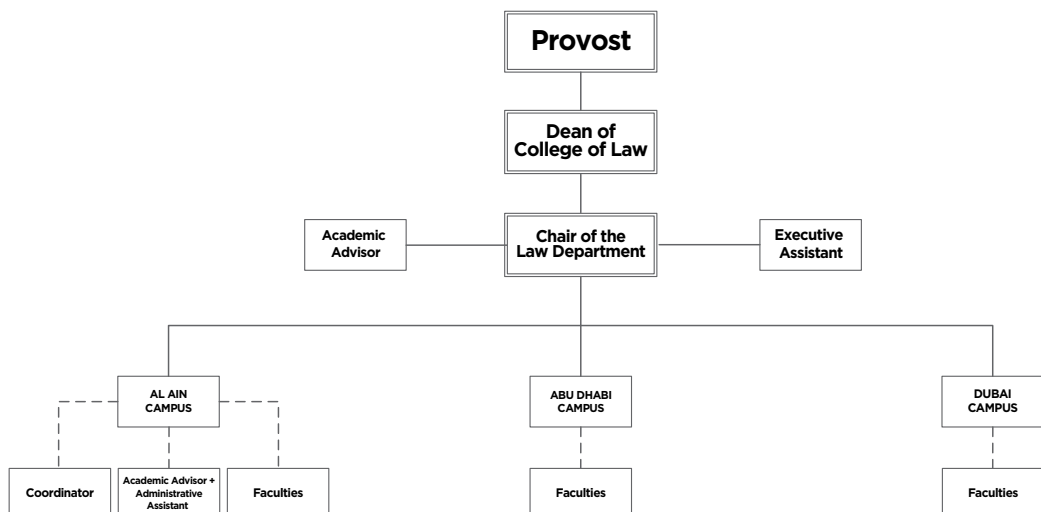




## COLLEGE OF ARTS AND SCIENCE



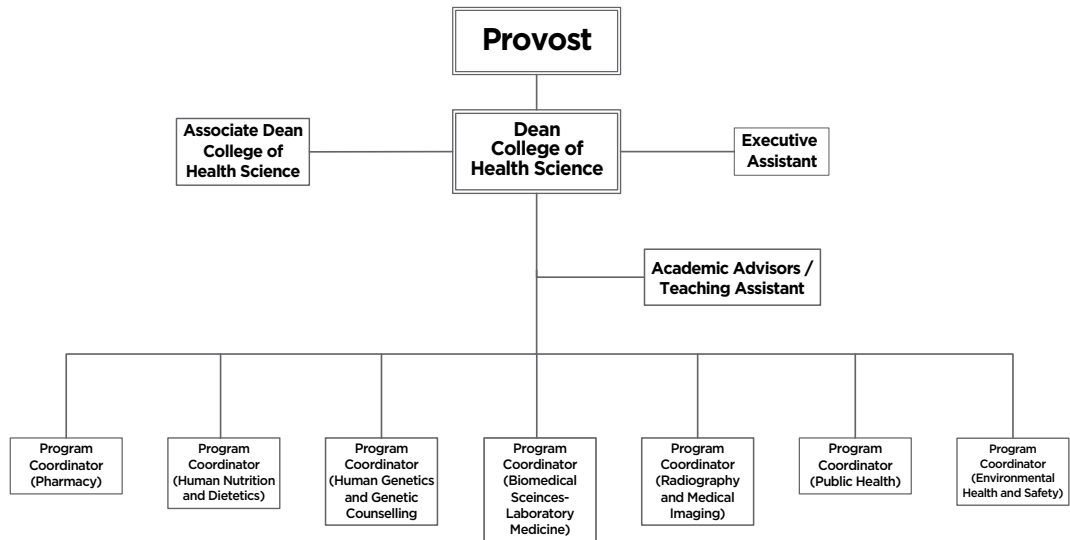
## COLLEGE OF LAW





## Abu Dhabi University College Organizational Charts

### COLLEGE OF HEALTH SCIENCES







**DUBAI CAMPUS**



**ABU DHABI CAMPUS**



**AL-AIN CAMPUS**







# An Overview

## About Abu Dhabi University

Abu Dhabi University (ADU) was chartered as a private institution of higher learning in the year 2000 under the patronage of H.H Sheikh Hamdan Bin Zayed Al Nahyan, President of ADU's Board of Regents Members. Abu Dhabi University currently serves over 7,500 students from over 70 different nationalities at three campuses located in Abu Dhabi, Al Ain and Dubai, as well as at a center in Al Dhafra. Abu Dhabi University consists of five Colleges: the College of Engineering (COE), the College of Business (COB), the College of Health Sciences (CHS), the College of Arts and Sciences (CAS) and the College of Law (COL), as well as a Military Program Unit. Education at ADU follows the American university system, with the language of instruction normally being English - with Arabic in a few cases - and its degree programs open to students of all nationalities.

## Why Choose Abu Dhabi University?

With a broad range of colleges and universities from which to select, one might rightly ask, why choose Abu Dhabi University?

Every student and parent wants to make the best investment of their time and money when selecting an institution at which to study and to earn a degree.

At Abu Dhabi University, we want you to make the right choices for your life, your career and your education, both for today and for the future!

We believe in the vision that our founders planned for Abu Dhabi University, to be one of the premier universities in the UAE, the Arabian Gulf region and the world, and have already begun to establish the University as a superior-quality center of higher learning here in the heart of the UAE.

Abu Dhabi University blends the finest traditions of the UAE with modern, fast-paced, technologically-embedded educational methods gleaned from higher education systems around the world.

Abu Dhabi University can be the right institution for you if you are seeking a university that is:

- New, clearly focused, career-oriented, and aspiring to be one of the best;
- Multinational in its perspective, faculty, staff, and student body;
- International in that it embodies the best of the Arab,

American and British education systems;

- Ready to build your English language skills;
- Able to develop your quantitative and analytic abilities
- Prepared to build your technical knowledge and qualifications for your chosen career;
- Concerned about your interpersonal social skills for life in an international community;
- Student-learner focused, where market-driven theory and practice are merged; and
- Committed to being the best it can be, and a place where students excel.

Give it some thought. If you choose Abu Dhabi University for your higher education, we will grow with you in the years ahead as we add more programs and facilities, and enhance our already broad and fully accredited curriculum of degree offerings.

Abu Dhabi University is not just books and classrooms: Abu Dhabi University will be the educational, cultural, social, and technological nexus of the emerging Arabian Gulf community. Come and be a part of the vision: be one of the best in the UAE, the Gulf region and the world!

## Campus Locations and Descriptions

### Abu Dhabi Campus

Abu Dhabi, the capital of the UAE, is the largest city in the country and boasts some of the finest parks in the Middle East.

The city cultivates vibrant commercial and government sectors and is located on a large island just off the mainland of the Abu Dhabi Emirate.

Abu Dhabi University offers you an unparalleled learning experience in a state-of-the-art educational environment. The University prides itself on its dedicated faculty members and guarantees relevant content that is geared to an ever-changing and demanding globalized business world. In addition, Abu Dhabi University campuses offer students an unrivalled learning environment. Harvard-style lecture rooms equipped with the latest educational technology ensure that lectures are interactive and stimulate team discussion and sharing of experience. Wireless internet connection and computer labs throughout the campus complex provide students with convenient access to the latest technology and the internet. In Abu Dhabi University,



you will find a comprehensive library and easy access to databases with the financial data of hundreds of companies in the UAE, GCC and many other different countries. Abu Dhabi University also offers students the opportunity to stay on campus in newly constructed apartment-style dormitories, with eight different food outlets in the cafeteria area that cater to all tastes. At Abu Dhabi University, you will find the perfect combination of academic excellence and world-class facilities.

## Al Ain Campus

Al Ain is the home city of the former President, H.H. Sheikh Zayed Bin Sultan Al Nahyan, God Bless His Soul, and is an oasis in the high desert of the Emirate. It is often referred to as the Garden City of the Emirates. Al Ain is renowned both for its architecture and its tree-lined boulevards in the shadow of the surrounding mountains.

Abu Dhabi University's Al Ain campus enjoys all the modern facilities to cater to the higher educational needs of the community. Since its opening in 2003, the campus has grown substantially, both in faculty and students. Today, the campus is home to more than 60 faculty and staff and around 1,500 registered students, representing more than 20 nationalities. The campus is housed in a modern building that contains libraries, a Learning Support Center, modern classrooms, six computer labs, fully equipped audio/visual rooms, specially designed graduate program classrooms, students' lounges, recreational facilities, a cafeteria, and an outdoor courtyard. Our students have the key facilities at their disposal that will provide them with all the educational necessities that make for an effective teaching and enjoyable learning environment.

## Dubai Campus

Dubai is well known for its warm hospitality and rich cultural heritage, and the Emirati people are welcoming and generous in their approach to visitors. With year-round sunshine, intriguing deserts, beautiful beaches, luxurious hotels and shopping malls, fascinating heritage attractions and a thriving business community, Dubai receives millions of leisure and business visitors each year from around the world.

The past few decades have witnessed incredible growth throughout all sectors of the Dubai economy. The Emirate's government is constantly working to improve its commercial transparency and introduce dynamic regulations that aid the formation of small and medium enterprises.

Abu Dhabi University's campus in Dubai offers Master and Doctorate degree programs carefully selected to cater to the needs of professionals working in the business communities, construction and engineering industries,

finance and banking sectors, health and education institutions, management and legal firms.

Our teaching faculty are graduates with advanced degrees from top higher education institutions, with outstanding academic, research, and industrial experiences. Our teaching facilities are equipped with the latest instructional tools, supported by laboratories equipped with state-of-the-art audio-visual technologies, and well maintained by a highly qualified team of technical staff. Our library is rich with academic and technical references to help our graduate students in their academic and research work, and is electronically linked to local and international libraries.

Our administrative and financial team members are friendly, warm, and dedicated to support students from admission to graduation. Extra-curricular activities are encouraged within the campus and externally, as are sport and social activities.

Dubai Campus is strategically located in the heart of the knowledge village with accessibility to public transportation and surrounded by a variety of top companies, banks, shops, restaurants, natural views and small parks.

## Al Dhafra Center

Opened for intake in Spring 2018, Al Dhafra Center is the fourth branch location in ADU's expanding portfolio. Housed in the Baynounah Educational Complex in Madinat Zayed, Al Dhafra Center was established in direct response to the strategic needs of the UAE relating to higher education in the Al Dhafra Region. Through this new facility, ADU demonstrates its commitment to providing quality education across the UAE.

Students studying in the Center benefit from the same excellence in teaching and learning that is the standard across all ADU campuses, with internationally accredited postgraduate degrees delivered in state-of-the-art facilities by world-class faculty.

Programs currently on offer include Master of Business Administration, Master of Education in Educational Leadership, Professional Diploma in Teaching (English) and Professional Diploma in Teaching (Arabic).

Al Dhafra Region itself, formerly known as Western Region, is where the desert meets the sea and covers over two thirds of the Abu Dhabi emirate. The area includes Rub Al Khali (Empty Quarter) which is the world's largest uninterrupted sand mass with the biggest dunes this side of the Sahara. Along its coastline are beautiful beaches and islands and the numerous ancient forts are testament to its rich history. The region includes Madinat Zayed, Ruwais, Ghayathi, Liwa, Marfa, Dalma Island and Sila. Sir Bani Yas Island, the archaeological and conservation destination, is also part of Al Dhafra Region.



# ACADEMIC TERMINOLOGY FOR ABU DHABI UNIVERSITY

**Academic Year** – The period of formal instruction that is divided into semesters and terms.

**Add/Drop** – A process at the beginning of the semester whereby students can delete or add classes online.

**Assessment** – The gathering of evidence of student learning and achievement to guide instructional decisions and aid student learning.

**Blackboard or Blackboard Learn** – Web-based tool that allows students to access course materials and resources.

**Concentration** – It is best thought of as a grouping of courses which represent a sub-specialization taken within the major field of study. A concentration may be specified on the diploma or in the student's academic record (transcript).

**Cumulative Grade Point Average (CGPA)** – The overall average of all course grades attained during the student's enrollment at Abu Dhabi University. The CGPA is used for a number of academic decisions, including awards and academic probation.

**Degree** – Diploma or title conferred by a college, university, or professional school upon completion of prescribed program of studies.

**Degree Program** – The term degree program is used at Abu Dhabi University to indicate the total academic credit requirements a student must complete in order to earn a specific degree/diploma from the University, i.e. a B.B.A. degree program in Management.

**Early Registration** – A process of choosing classes in advance.

**Elective** – Course that student may choose to take for credit toward their intended degree, as distinguished from a course that they are required to take.

**Field** – The term field is used at Abu Dhabi University to indicate a broad academic area that generally includes several disciplines or subfields i.e. the field of business administration includes the disciplines of management, marketing, finance, accounting etc.

**Full-time Student** – A student who is enrolled at the university taking at least a minimum load of 12 credits per semester.

**Grade Point Average (GPA)** – A system of recording achievement based on a numerical average of the grades attained in each course in a given semester or term.

**Internship** – An organized and supervised career-related professional experience. Academic credits are awarded for the learning acquired through their work experience, depending upon their performance evaluation. Internships are administered using well planned syllabi and work plans during the period of training, which are supervised by site-supervisors and college-supervisors.

**Major** – A student's principal field of study.

**Midterm exam** – An exam administered midway during the academic term covering class material studied until that point.

**Minor** – A subject in which the student takes the second greatest concentration of courses.

**Pre-requisite** – Program or course that a student is required to complete before being permitted to enroll in a more advance program or course.

**Professional Academic Advisor** – A full-time staff member within each college who advises and counsels students on programs and course selection, institutional policies, career choices, effective study habits, and/or other academic and career-oriented decisions.

**Term** – Some courses may be offered in a time-shortened period not less than 6 weeks, called a term, which nonetheless offers class contact time and out-of-class assignments equivalent to a semester course.

**Theme** – The term theme is used at Abu Dhabi University to indicate a free choice of 9 credits from a selected list of courses in a sub-discipline at the undergraduate level.

**Transcript** – A certified copy of a student's educational record.

**Withdrawal** – An administrative procedure of dropping a course or leaving a university.

Non-refundable application fee (online payment).

Once an application and the required documents are submitted, a response will be provided no later than one week from the date the application was received.

Admission offers are valid for one academic year only. If a student doesn't register within the academic year, he/she will have to reapply.

Students dismissed from other academic institutes for academic integrity offenses, as per their official transcript, will not be admitted to Abu Dhabi University.



# ADMISSION, ENROLLMENT AND REGISTRATION

## Undergraduate Admissions Requirement

The Admissions Committee, comprising the Provost, Admission and Student Recruitment Associate Director, the Registrar and the appropriate College Dean, will consider the certificates issued by other educational systems, only if they meet the conditions set by the UAE Ministry of Higher Education & Scientific Research.

(Ministerial Resolution No. (322) of 2017 and Ministerial Resolution No. (199) in 2019), and the University admissions criteria (listed below).

All students applying for undergraduate admission to the University need to have one of the secondary school certificates recognized below:

1. **Original UAE Secondary School Certificate:** or its equivalent approved by the Ministry of Education in the UAE. \*\*Please refer to the table below.
2. **British Curriculum Certificates:** Completion of the 12th Grade (year 13). Passing of five (5) subjects in the average level (IGCSE or GCSE) with minimum grade of E; passing of two (2) subjects in the GCE Advanced Subsidiary Level or one (1) subject in the GCE Advanced Level with minimum grade of D.
3. **American High School Diploma (HSD):** Successful completion of Grades 10th, 11th and 12th with minimum 5 subjects in each stage. Minimum passing grade is 60% for conditional admission. Higher grade is required for direct admission to the program.
4. **International Baccalaureate (IB):** Successful completion of 12th grade. Passing 6 subjects covering the following subjects: English Language, Math and one (1) Science subjects with minimum grade of 3. Minimum grade requirement is 21 points.
5. **Indian Certificates:** A senior secondary school certificate is required. The minimum required average for university admission is the equivalent of 43%. A higher average is required for direct admission into Abu Dhabi University's Colleges/Majors. Students with an average of 40-42.9 may be given conditional admission based on the recommendation of the College Dean.
6. **Pakistani Certificates:** A higher secondary school certificate is required. The minimum required average for university admission is the equivalent of 43%. A higher average is required for direct admission into Abu Dhabi University's Colleges/Majors. Students with an average of 40-42.9 may be given conditional admission based on the recommendation of the College Dean.
7. **Iranian Certificates:** A certificate of completion of the pre-university year is required. The minimum required average for university admission is the equivalent of 12/20. A higher average is required for direct entry into Abu Dhabi University Colleges/Majors.
8. **Lebanese, Moroccan, Tunisian, Algerian, French and all French-Patterned Educational Systems:**  
  
A certificate of completion of the pre-university year is required. The minimum required average for university admission is the equivalent of 10/20. A higher average is required for direct entry into Abu Dhabi University's Colleges/Majors.
9. **German Certificates:** A certificate of completion of the pre-university year is required. The required average for university admission is the equivalent of a maximum of 3.6 out of 6. A higher average is required for direct entry into Abu Dhabi University's Colleges/Majors.
10. **Armenian Certificates:** are accepted only if the student provides a grade 12-completion letter from the institution where he/she studied, attested by the educational authority of the country of study with a minimum average of 3 out of 5. A higher average is required for direct entry into Abu Dhabi University's Colleges/Majors.
11. **Philippine Certificates:** are accepted only if the student provides a grade 12-completion letter from the institution where he/she studied attested by the educational authority of the country of study with a minimum average of 2.5 out of 5. A higher average is required for direct entry into Abu Dhabi University's Colleges/Majors.
12. **Commercial/Technical School Certificates:** Students with Commercial/ Technical school certificates might be required to submit an equivalency Letter from Ministry of Education (for Certificates from outside UAE and certificates from all the United Arab Emirates



except Abu Dhabi (from Abu Dhabi Educational Council).

The University will consider equivalent certificates and grades from other educational systems by evaluating them using the World Education Services ([www.wes.org](http://www.wes.org)) or the on-line education database for education systems and academic institutions around the world ([www.classbase.com](http://www.classbase.com)). The International Academic Credential Evaluation Services will convert educational credentials from any country in the world into their U.S. equivalents. It describes each certificate, diploma or degree that the student has earned and states its academic equivalency in the United States.





## \*\*UAE Curriculum Admission requirement

| Specializations which a student is qualified to apply to   | Track          | Additional conditions/notes  |
|--|----------------|--|
| <b>Engineering Majors</b>  | General - MOE  | <ul style="list-style-type: none"> <li>• Passing math and sciences in grade 12 with a minimum average of 90%</li> <li>• Passing successfully a remedial course in physics offered by the respective higher education institution</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions of at least 90%</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul> |
| <b>Engineering Majors</b>  | Advanced - MOE | <ul style="list-style-type: none"> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>  |
| <b>Engineering Majors</b>  | ADEC Track     | <ul style="list-style-type: none"> <li>• Pass advanced math courses (third level) and advanced physics (third level) successfully</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>  |
| <b>Human Medicine</b><br><b>Dentistry</b><br><b>Pharmacy</b><br><b>Physiotherapy</b><br><b>Veterinary Medicine</b> | General - MOE  | <ul style="list-style-type: none"> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>  |
|  | Advanced - MOE | <ul style="list-style-type: none"> <li>• Pass advanced biology courses (third level) and advanced Chemistry (third level) successfully</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>   |





| Specializations which a student is qualified to apply to  | Track          | Additional conditions/notes   |
|---|----------------|---|
| <b>Nursing</b>  | General - MOE  | <ul style="list-style-type: none"> <li>• Successfully pass remedial courses in physics, biology and chemistry offered by the respective higher education institution</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>  |
|   | Advanced - MOE | <ul style="list-style-type: none"> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>   |
|   | ADEC Track     | <ul style="list-style-type: none"> <li>• Successfully pass remedial courses in physics, biology and chemistry (in case of not studying any of such courses in the second level at least) offered by the respective higher education institution</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul> |
| <b>Agriculture Sciences</b><br><b>Environmental Sciences</b><br><b>Biotechnologies</b><br><b>Health Science</b> | General - MOE  | <ul style="list-style-type: none"> <li>• Successfully pass remedial courses in physics, biology and chemistry offered by the respective higher education institution</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>  |
|   | Advanced - MOE | <ul style="list-style-type: none"> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>   |



|   |   |   |
|---|---|---|
|   | ADEC Track                                    | <ul style="list-style-type: none"> <li>• Successfully pass remedial courses in physics, biology and chemistry (in case of not studying any of such courses in the second level at least) offered by the respective higher education institution</li> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul> |
| <b>Engineering Technology</b><br><b>Applied Engineering</b><br><b>IT</b><br><b>Applied Health Sciences</b><br><b>(that don't deal with the human body directly)</b><br><b>Administration Sciences</b><br><b>Languages</b><br><b>Human Sciences</b><br><b>Social Sciences</b><br><b>Basic Sciences</b><br><b>Sharia</b><br><b>Law</b><br><b>Education</b><br><b>Media</b><br><b>Arts</b><br><b>Military Sciences</b><br><b>Police Sciences</b><br><b>Professional Diploma Programs</b> | General - MOE<br>Advanced - MOE<br>ADEC Track | <ul style="list-style-type: none"> <li>• Achieve the minimum average for completing grade 12 set by respective higher education institutions</li> <li>• Pass national tests with required score</li> <li>• Any additional conditions placed by the respective higher education institution</li> </ul>   |

- Students who completed their high school education from a non-UAE curriculum as listed above must obtain an Equivalency Letter before admission to ADU.
- Students who graduated before 2017 following the old UAE curriculum will be admitted based on their track (scientific/literary track). Please check college specific admission requirement for details.
- allow conditionally admitted students to take no more than 12 semester credits (or equivalent) of appropriate General Education course work to contribute towards an undergraduate degree; or such other broadly comparable limits on credits as are available in the system in use within particular institutions;
- allow conditionally admitted students to take General Education credit-bearing courses only in subjects for which they have the preparation, knowledge, and skills to enable them to achieve the course learning outcomes.





## International Students Required Documents

The following documents must be received along with the application fee as per the published Abu Dhabi University fee schedule:

- A high school certificate duly attested by the Ministry of Education, Ministry of Foreign Affairs and Embassy of UAE in the country where the certificate is issued. Students who are not able to attest their certificates and transcripts on time may be conditionally admitted for one semester. By the end of the semester they should have attested all their papers or their accounts will be on hold.
- A copy of the student's passport (valid for at least 6 months);
- Passport-size photograph;
- A letter of adequate funds (5000 USD or convertible currency for tuition, accommodation and cost of living); and
- A standard form indicating that the applicant will abide by the Abu Dhabi University rules and regulations.

If the applicant meets the admissions requirement of Abu Dhabi University, and after he/she decides to join Abu Dhabi University, a proof of payment of the International Student Fee will be required.

## Authentication

The University has the responsibility of verifying the authenticity of certificates presented by applicants. To satisfy the following conditions of attestation, certificates issued by secondary schools following the UAE curriculum must:

1. Be original certificates or a notarized copy,
2. Show grades received for each subject, and
3. Be attested by the issuing school, the issuing board, and the UAE Ministry of Education (for Certificates from all the United Arab Emirates except Abu Dhabi (attested from Abu Dhabi Educational Council))

If a certificate is issued by a school in the UAE that is governed by an educational authority in another country, it should be attested by the official educational authorities of the country of study, such as the British Council, the embassy of the country, and the Ministry of Education, UAE.

If the certificate is from a government school in the GCC Countries (Gulf Cooperative Council Countries), the certificate then needs to be attested by the Ministry of

Education of the issuing country. If a certificate is issued by a school in the GCC that is governed by an educational authority in another country, it should be attested by the official educational authorities of the country of study, such as the British Council, the embassy of the country, and the Ministry of Education in the country of study.

Submission of Equivalency letters (from Ministry of Education in UAE) is required for all certificates issued Outside UAE.

If the certificate is from a licensed school accredited in another country and governed by an educational authority, recognized councils, or accrediting associations in that country, it must:

1. Be an original certificate or a notarized copy,
2. Show grades received for each subject, and
3. Be attested by:
  - a. the official education authorities of the country of study, e.g. Ministry of Education, British Council, etc.,
  - b. the Ministry of Foreign Affairs in the country of study,
  - c. the Embassy of the UAE in the country of study, or the embassy of that country in the UAE plus the Ministry of Foreign Affairs of the UAE, and
  - d. If b) and c) are not possible, the authenticity of the certificate can be verified through the embassy of the country of origin and the Ministry of Foreign Affairs in the UAE.

## English Proficiency

All students applying for admission to the university will need to meet one of the following English proficiency requirements to be able to enroll in the university and register courses after the admission:

1. 61 on the internet-based version of the TOEFL (iBT), or
2. A minimum overall score of 5.0 on the academic version of the International English Language Testing System (IELTS), or equivalent EmSAT 1100
3. 500 + in the Institutional TOEFL (ITP) which is administered by AMIDEAST.
4. Pearson Test of English Academic (PTE) score with a minimum of 36.

The TOEFL or IELTS or PTEA tests should have been taken no more than two years prior to admission to Abu Dhabi University. In case Abu Dhabi University doubts the authenticity of the TOEFL/IELTS certificate, the student will be requested to sit for the ITP TOEFL test at Abu Dhabi University. Students who do not meet the English



Proficiency as stated above are required to take the Intensive English Levels offered by the English Language Institute (ELI). Students will be placed according to the table below:

Table of Equivalent Scores on tests of English Language Proficiency \*

| ELI Courses       | IELTS Scores Overall | iBT Scores | ITP Scores | EMSAT Scores |
|-------------------|----------------------|------------|------------|--------------|
| IELTS 2           | 4.5                  | 53 - 60    | 477 - 499  | 950 - 1075   |
| IELTS 1           | 4.0                  | 41 - 52    | 437 - 476  | 825 - 925    |
| GENERAL ENGLISH 2 | 3.5                  | 19 - 40    | 347 - 436  | 675 - 800    |
| GENERAL ENGLISH 1 | 3.0                  | 18 below   | 346 below  | Below 675    |





## Credit Transfer

Undergraduate students may apply for a credit transfer for courses, taken at a licensed institution, or other organization approved by the Commission in the UAE, or recognized institutions of higher learning located outside the UAE; prior to joining ADU only when they first apply for admission to ADU.

All transfer students required to present a valid certification (EmSAT, TOEFL, IELTS or other certification approved by the Commission) demonstrating the required language competency scores for full admission;

Credit should not be counted twice towards awards. Therefore, credit cannot be transferred from a BA/BSc/ BBA degree that the student has already achieved to the one he/she is planning to pursue. This is different from a student transferring some portions (credits) taken during his or her studies and bringing them into a new award. However, credit transfer from a Diploma or an A Level degree to a Bachelor degree is acceptable.

The conditions for the transfer of undergraduate credits are as follow:

1. Students transferring from other institutions into the same program major, should be in good academic standing (for undergraduates, a minimum CGPA of a 2.0 on a 4.0 scale, or equivalent) based on the teaching, learning and assessment system employed in the organization at which they initially enrolled, demonstrated by certified transcripts or other evidence;
2. The transfer of credits may be accepted towards fulfilling the requirements for a university degree provided they are deemed equivalent (relevant and at the appropriate level of study) to a specific course and program. The Dean of the appropriate College will decide what credits can be transferred towards the completion of an ADU program;
3. Transfer credits for students whose CGPA is less than 2 is possible if they are transferring to a major different from the one they are transferring from, if their GPA in that course is C and above and if the learning outcomes are equivalent. This would apply to University College credit courses and any other courses that might be taken as electives;
4. The applicant should have completed successfully at least one full semester in an accredited institution of higher education with a minimum CGPA of 2.0, before an application may be considered for credit transfer to Abu Dhabi University to the same major;
5. The maximum approved transfer credits must not exceed 50% of the total credits towards a bachelors program at Abu Dhabi University.
6. Courses completed at another institution more than 5 years prior to registration at Abu Dhabi University as an undergraduate student may not be transferable, depending on the program of study and the recommendation of the relevant dean;
7. The course credit hours to be transferred must be equal to or higher than the credit hours of Abu Dhabi University courses;
8. Courses completed outside Abu Dhabi University with a lower number of credit hours than three (e.g., two) can be transferred, providing students can successfully pass a challenge exam. A challenge exam, developed by the respective Department/College, will cover the Learning Outcomes of the course for which the credit is being transferred. The minimum passing grade for the course will be a C for undergraduate;
9. Transfer credits may be given for equivalent Abu Dhabi University courses when, in the opinion of the appropriate Dean and Chair of Department, the outcomes of the proposed transfer courses and the level of study are deemed equivalent to that of Abu Dhabi University's course(s);
10. The Abu Dhabi University residency requirement for the completion of a bachelor degree is a minimum of three (3) regular semesters whereby at least two of those three semesters are at the senior level (final year of the program);
11. Advanced Placement Credits (APCs) may be granted after a special review by the appropriate College Dean and Chair of Department of the applicant's achievements in the Advanced Placement examinations and the subject syllabus. Only Grades four (4) and five (5) may be considered;
12. A credit transfer may be granted from British 'A' Levels after a special review by the appropriate College Dean and Chair of Department of the applicant's achievements and the subject syllabus. Only Grades of A and B may be considered and credits may only transfer towards 100 level courses;
13. A maximum of 15 AP or A level credits is allowed for transfer;
14. Diploma and senior level courses may be transferred based on College Dean's recommendations;
15. Courses from other institutions with grade of Passed (P), Exempted (EX), Challenged Passed (CX) or Transferred (T) are not transferable. Only courses with



the grades of A, B and C, or their equivalents are eligible for evaluation;

16. Students may request a re-evaluation of credit transfer when the program they are transferring to was not offered at the time of the admission;
17. Does not allow credits for graduation projects and theses to be transferred;
18. Limits the number of transfer credits which may be applied to a specific undergraduate degree program; the limit may not exceed 50% of the total number of credits which are required to complete a degree.

Official transcripts as well as official copies of the course outline or syllabi from the previous institution's catalog are required to be sent to the Admissions, Enrollment & International Relations Department in order to process requests for the transfer of credits. Admissions, Enrollment & International Relations Department will send the courses for the evaluation committees in the colleges for further evaluation. The process of credit transfer takes up to 3 weeks from receiving the request.

Transferred courses will appear in the student's transcript with a "T" grade and will not be counted towards the calculation of the GPA.

In case of rejection, students may appeal for re-evaluation by submitting more documentation that covers the course or additional course work as proof of equivalency to Abu Dhabi University courses.

## Conditional Admission for Transfer Students

If students are dismissed from other institutions of higher education for non-academic reasons, and request a transfer to Abu Dhabi University, they may be admitted if they would otherwise qualify, but will be given a Conditional Admission for Non-academic Reasons status for two consecutive semesters. They have to sign a statement that they will adhere to the code of conduct indicated in the Undergraduate Catalog. Any violation of the Abu Dhabi University code of conduct will result in an immediate termination of their enrollment at Abu Dhabi University.

After two consecutive semesters, the Admissions, Enrollment & International Relations Department will secure a clearance from the Student Services Department certifying that there are no issues related to the conduct of the student. The Office may then switch the status of the student from Conditional Admission to Regular Admission. Only University courses will be transferred in that case.

Conditional Admission for Academic Reasons will be given for two consecutive semesters. During these two semesters, the student must maintain a full-time status and a GPA higher than 2.00 to be granted Regular Admission. Only General Education Requirements courses will be transferred to Abu Dhabi University.

If a student is dismissed from other institutions of higher education for academic reasons, and request a transfer to Abu Dhabi University, he/she may be admitted if he/she would otherwise qualify, but will be given a Conditional Admission for Academic Reasons to a major different than the one the student was enrolled in the first institute.

## Visiting Students

Visiting students are students attending courses or undertaking postgraduate research with the prior approval from the Colleges concerned, without seeking a degree at Abu Dhabi University.

The student will be responsible to accredit/transfer the course/s taken at Abu Dhabi University to his/her home university. They will normally:

- a. Provide evidence of proficiency in the English language;
- b. Participate, at their choice, in registered course-work, and sit for the examinations set for that course, and;
- c. Be given, at their request, a transcript of courses taken at Abu Dhabi University.

### Documents required for admission of visiting students are as follows:

1. Completed online application form with the required application fee;
2. Copy of passport and residence visa, if applicable;
3. Photographs (to be uploaded in the online application);
4. No-objection letter issued by the visiting student's home university;
5. Copy of either IELTS or TOEFL or proof of English proficiency;
6. Copy of Emirates ID.

Students who opt to complete their degree at Abu Dhabi University and change their status to that of regular student must meet the admission requirements. Please refer to the current admission policy and credit transfer policy if applicable.

## Exchange Students

1. Candidates for the exchange program must meet the admission requirements of Abu Dhabi University.



2. All participants need to provide all the following documents four months prior to the expected date of enrollment:
  - a. a completed online application form (NO application fees are to be charged);
  - b. an official transcript from the university the student is joining;
  - c. a copy of Passport;
  - d. 2 photographs;
  - e. Original copies of TOEFL/IELTS certificates or any other proof of English Proficiency.
3. The university will inform the candidates about their application results three months prior to the starting date of the semester.
4. All transfer credits between institutions will be determined after due consideration before the transfer takes place.
5. Students on an exchange program for two semesters must successfully pass the first semester or will not be permitted to continue.

## Orientation Program

The Student Support Services will offer an orientation program for new students who are admitted to the Abu Dhabi University for Fall and Spring Semesters. Students admitted to the Summer term will be encouraged to attend the Fall orientation. Students attending the orientation program will:

1. Gain important information about academic life at Abu Dhabi University and find out how to register for classes;
2. Become familiar with resources on campus;
3. Meet other new students and make friends;
4. Meet Abu Dhabi University faculty, staff, and administrators;
5. Preview important first-year college issues;
6. Get questions answered about campus life;
7. Tour the Abu Dhabi University campus and its facilities; and
8. Get help to adjust to the new environment.

Students are encouraged to attend the orientation program to avoid missing valuable information that could adversely affect their success at Abu Dhabi University.

## Re-admission Procedure

This policy applies to:

- a. Former Abu Dhabi University students, whose enrolment at Abu Dhabi University has been voluntarily or involuntarily interrupted/stopped, including academic suspension, for more than two consecutive semesters (excluding summer semesters) or more than four discrete semesters (excluding summer semesters) during the whole period of study. Those semesters include the semesters from which the student has withdrawn with the approval of the concerned Dean.
- b. Former Abu Dhabi University students who formally withdrew from the university by filling a Withdraw University Form.
- c. Students who were dismissed from the University except for those who were dismissed for academic integrity violations (these students will not be readmitted).

Those students must petition the Admissions, Enrollment & International Relations Department in writing for readmission to the University indicating the semester for readmission is being requested stating the following:

1. Reasons for leaving Abu Dhabi University and reasons for returning;
2. Evidence proving that all conditions for readmission have been fulfilled;
3. Current contact information;
4. A valid Certificate of Good Conduct from the Police Department;
5. Medical report for students who withdraw from Abu Dhabi University for reasons of illness;
6. Clearance from the Finance Department at Abu Dhabi University;
7. Valid copy of Passport, Visa, UAE National ID Card and English proficiency test (IELTS/TOEFL).

If the student meets the current admission requirements, a committee comprised of the Provost, UC Dean, Head of the Office of Academic Integrity, Dean of the concerned college, Head of Admissions, Enrollment & International Relations Department, and the Registrar will look into the request and make a decision on case by case basis. In some cases, an interview with the student may be required. The committee will evaluate the student's Abu Dhabi University transcripts and course syllabi. New admission policies might apply whenever appropriate including entrance and language tests.

Based on the committee's recommendations, the student might be readmitted either by:



- a. Reactivating his/her account in case any of his/her Abu Dhabi University courses are counted.
- b. Creating a new account: in case that all his/her Abu Dhabi University courses are not counted.

Courses taken at Abu Dhabi University with grade less than C prior to re-admission shall be omitted.

Once readmission is granted, the student has to pay the admission application and registration fees or reactivation fees.

Upon withdrawal, students must know and understand that readmission is not certain and is contingent upon a comprehensive reevaluation of the student petition.

## Registration

Students will register during the online registration period that is announced every semester by the Office of the Registrar.

- Registered students may add/drop courses prior to the first day and during the first calendar week of the semester. A full refund will be given for courses dropped by students during this period.
- Late registration should be completed within the first calendar week after the semester registration period is over.
- Students wishing to continue their studies at Abu Dhabi University but who fail to pay the prescribed fees on the published payment deadline, will be considered to have been dropped from courses for which they are registered.
- Students may seek to defer their registration by applying in writing to the Registrar. This should be done at least one week before the specified date of registration. Fees for late registration will be charged and students will be required to register on, or before the deferred registration date.
- Students will only be permitted to sit for examinations and receive grades if they are registered for the courses and have settled their fees in full.

## Registration Procedures

Students must register online at the beginning of each semester. Registration procedures are as follows:

- a. Before students meet with their Academic Advisor, they should identify the list of courses they should take in each semester to satisfy the requirements of the program of study leading to their degree.
- b. Students register online at [www.adu.ac.ae](http://www.adu.ac.ae) and then

print out their own schedule cards. If a section is full, another selection will need to be made in consultation with the Academic Advisor. Once the schedule card is finalized and printed off, tuition fees are to be paid at the Finance Department.

## Add/Drop Course Regulations

A student is allowed to add/drop one or more courses during the first week of the regular semester and during first two days of the Winter/Summer term. A student may withdraw one or more courses during the tenth week of the semester. In such cases, the "W" grade reflects the student's voluntary Withdrawal from the course. This grade is not computed in the student's GPA but determines student's progress towards completion of the college requirements. If the student does not officially withdraw from courses during these specified periods, he/she is considered registered for these courses and is held accountable for completing them.

## Dropping Fall/Spring Credit Courses

- Students dropping courses within the first calendar week of the Fall/Spring semester will receive a 100% refund of the tuition fee.
- Students dropping courses in the second calendar week of the Fall/Spring semester will receive 75% refund of the tuition fee. In such cases, a (W) grade will be entered in their records.
- Students dropping courses in the third calendar week of the Fall/Spring semester will receive a 50% refund of tuition fees. In such cases, a (W) grade will be entered in their records.
- Students dropping courses after the third week of the Fall/Spring semester will receive no refund, and will be awarded a (W) grade for that course.
- A late registration fee will be charged for students registering courses after the add/drop period.
- If students do not withdraw from courses during these specified periods, they will be considered registered for the course and will be held accountable.
- A 100% refund of tuition fees will be given for courses cancelled by Abu Dhabi University.

## Administrative Drops

Abu Dhabi University officials in the Office of the Registrar or the Dean's Office may initiate an administrative drop.



A student may be administratively dropped from one or more classes (or withdrawn from all classes) for any of the following reasons:

- a. Failure to meet certain preconditions, including but not limited to:
  - failure to pay tuition and fees on designated deadlines;
  - class cancellations;
  - failure to meet course prerequisites;
  - failure to meet the specific academic requirements of the degree program; and
  - failure of comprehensive or preliminary examinations;
- b. When the safety of the student, faculty member, or other students in a course would be jeopardized;
- c. Academic suspension, including but not limited to, failure to attain or maintain a required grade point average (GPA) of 2.0 after being placed on Academic Probation;
- d. Disciplinary suspension for violation of the Student Code of Conduct;
- e. Disruptive behavior determined by the faculty member, Dean and Registrar (and if required, a disciplinary committee) if found to be detrimental to the progress of the course and the education of students; or
- f. Exceeding the allowable number of absences from a course for a given semester;
- g. Exceeding the allowable number of credit courses stipulated on course load policy.

## Withdrawal from the University

Students who wish to leave Abu Dhabi University before graduation must complete a University Withdrawal Application Form obtainable from the Office of the Registrar. Official withdrawal will be granted after completion of the clearance procedure.

A "W" grade will appear against all courses taken by the student on the semester he/she withdraws from Abu Dhabi University.

## Advising Hold

Prior to the beginning of the registration period for each regular semester, an advising hold is placed on the record of each enrolled undergraduate student with a cumulative GPA of 2.5 or below. The advising hold prevents a student from registering for courses in the subsequent semester

or term. The advising hold for any student can only be removed by the student's academic advisor (faculty or staff) and the dean of the college of the student's major.

## Re-Enrollment

- a. A former Abu Dhabi University student in good academic standing, whose enrolment at ADU has been voluntarily or involuntarily interrupted (such as Financial issues, Medical conditions, work related issues etc), for more than one semester (excluding summer semesters). Those semesters include the semesters from which the student has withdrawn with the approval of the concerned Dean.
- b. Former Abu Dhabi University students who formally withdrew from the university by filling-out a Withdrawal Request Form.

Those students must petition the Office of the Registrar in writing for re-enrollment to the University. Students are encouraged to begin the re-enrollment process at least two months prior to the beginning of the semester stating the following:

1. Reasons for leaving Abu Dhabi University and reasons for returning
2. Current contact information
3. Medical report for students who withdrew from Abu Dhabi University for reasons of illness.
4. Clearance from the Finance Department at Abu Dhabi University.

If the student meets the requirements, a committee comprised of the Provost, Dean of the concerned college, and the Registrar will look into the request and make a decision on a case to case basis. In some cases, an interview with the student may be required. The committee will evaluate the student's Abu Dhabi University transcripts and course syllabi.

## Independent Study

An independent study course is a course that involves one-on-one interactions between a student and a faculty member and includes content that is not otherwise taught at the university. Each Independent Study experience entails at least 15 contact hours for every credit hour of the course over an entire semester. An Independent Study course will count towards elective credit in the student's program of study and must satisfy one or more of the program learning outcomes.

Independent Study is open to students who have earned more than half of the credit hours in the program of study with at least a 3.0 CGPA. Students may not register





for Independent Study for the purpose of making up deficiencies resulting from failures in other courses.

A student must have the Independent Study approved at the department and college level prior to registration. The student must submit, to the relevant department chair, the description of the Independent Study course and the basis for the final grade, and the proposal must be endorsed by the faculty member who will supervise the work and assign the grade. The proposal must then be approved by the department chair and the dean. Departments may set additional criteria that students must meet in order to register for Independent Study.

Undergraduate students may not register for more than six credits of Independent Study. Independent Study may not be used to award credit for off-campus work which is not under the direct supervision of an Abu Dhabi University faculty member.

## Credits Earned at other Academic Institutions

Continuing Abu Dhabi University students with good academic standing who wish to enroll in courses at other institutions where the credit earned will be used to fulfill degree requirements at Abu Dhabi University must satisfy one of the following conditions that delay the student's graduation:

1. The course is not offered in the current semester and not taking it will delay the graduation;
2. The course is offered but conflicts with another required course.

The course to be taken outside Abu Dhabi University has to be equivalent to an ADU course, as defined in the credit transfer policy. The respective College advisor will evaluate the student's request against the above conditions. If the student meets the conditions specified above and are in compliance with the university's residency requirements, his/ her request will be forwarded to the College Dean along with all the supporting documents. If approved, the Office of the Registrar will issue a Letter of Approval to the other academic institution.

## Course Load Limitation

Full time undergraduate students carry a minimum load of 12 credit hours per semester. Part time undergraduate students carry a load of less than 12 credit hours per semester.

1. The maximum number of credit hour per semester is 19.
2. If the appropriate Academic Advisor, Chair of the

Department and Dean support the request, a student may register for up to a maximum of 21 credit hours in any fall or spring semester if the student's cumulative grade point average is equal to or greater than 3.00.

3. A student may register for up to a maximum of 6 credit hours in any summer or winter term.

Undergraduate students who are under academic probation have to abide by the load specified in the relevant Academic Standing Policy.

## Tuition and other Fees

Tuition is based upon the college and/or department classification as opposed to the course classification or level. Tuition rates for undergraduate students vary from the tuition rates for graduate students. Costs of books and supplies are not included in the tuition and fees. Students at Abu Dhabi University are also required to pay certain fees and other costs to attend the university. Abu Dhabi University reserves the right to change tuition and fee rates at any time with one semester advanced notice to students. A tuition schedule is published prior to the start of each academic year.

University institutional policy requires all students to pay tuition fees in advance. Failure to pay tuition fees by designated deadlines may result in a student to be administratively dropped from one or more classes. Students who have been dropped can be re-enrolled again, but a late payment fee of AED 500/- applies. Students who owe money to the institution will not be allowed to register for the subsequent semester until the balance owed is paid in full.





## Fees Structure - AED

| Undergraduate Tuition and Fees  | Frequency         | Fees      |        |
|---|-------------------|-----------|--------|
|   |                   | Abu Dhabi | Al Ain |
| Undergraduate Tuition   |                   |           |        |
| University College  | Per credit hour   | 1440      | 1150   |
| Arts and Sciences   | Per credit hour   | 1440      | 1150   |
| Business Administration   | Per credit hour   | 1620      | 1300   |
| Engineering   | Per credit hour   | 1780      | 1430   |
| Engineering Other Programs (BSc Aviation and BSc Civil Engineering)     | Per credit hour   | 1890      | 1430   |
| Law   | Per credit hour   | 1440      | 1150   |
| Health Science  | Per credit hour   | 1890      | -      |
| Specialized lab for (COBA, CAS & COE)                                   | Per Semester      | 500       |        |
| Engineering Labs  | Per Semester      | 850       |        |
| Studio Labs   | Per Semester      | 850       |        |
| Admission Fee   |                   |           |        |
| Admission Application - Undergraduate (Non-Refundable)                  | One Time          | 300       |        |
| Registration - Undergraduate (Non-Refundable, paid once upon admission) | One Time          | 2850      |        |
| Institutional TOEFL + Write Placer                                      | One Time          | 585       |        |
| IELTS Exam  | One Time          | 1000      |        |
| Late Registration/Payment Fee   | Upon Occurrence   | 500       |        |
| Healthcare Service Fee  | Per Semester      | 110       | 50     |
| Healthcare Service Fee  | Per Summer/Winter | 55        | 25     |
| Student Services  | Per Semester      | 350       |        |
| Student Services  | Per Summer/Winter | 175       |        |
| Transportation  |                   |           |        |
| Door to Door  | Per Semester      | 3700      | 2850   |
| Door to Door  | Per Summer/Winter | 1850      | 1450   |
| Drop-Off Points   | Per Semester      | 2400      | 2400   |
| Drop-Off Points   | Per Summer/Winter | 1200      | 1200   |
| Accommodation Fees - Only in Abu Dhabi                                  |                   |           |        |
| Private Single Occupancy with Bath and Kitchen                          | Per Semester      | 12500     | -      |
|   | Per Summer/Winter | 3800      | -      |
|   | Per Day           | 130       | -      |
| Semi-Private Single Occupancy with shared Bath and Kitchen              | Per Semester      | 9200      | -      |
|   | Per Summer/Winter | 2800      | -      |
|   | Per Day           | 100       | -      |
| Double Occupancy with Bath and Kitchen                                  | Per Semester      | 6700      | -      |
|   | Per Summer/Winter | 2000      | -      |
|   | Per Day           | 70        | -      |



|  |                        |       |   |
|--|------------------------|-------|---|
| Double Occupancy with Shared Bath and Kitchen                  | Per Semester           | 5400  | - |
|  | Per Summer/Winter      | 1700  | - |
|  | Per Day                | 55    | - |
| Dorm Clearance Penalty   | Per Occurrence         | 200   | - |
| Dorm Late Registration fee                                     | Per Occurrence         | 200   | - |
| <b>Other Fees - Both campuses</b>                              |                        |       |   |
| Degree Attestation Fees  | Upon Graduation        | 180   |   |
| Graduation Fee   | Upon Graduation        | 1,320 |   |
| Locker Deposit   | One Time               | 200   |   |
| Locker Rent  | Per Semester           | 65    |   |
| CoE Locker Rent  | Per Semester           | 140   |   |
| CoE Locker Rent  | Per Summer/Winter      | 35    |   |
| ID Replacement   | Any time/upon request  | 65    |   |
| Official Transcript  | Any time/upon request  | 55    |   |
| Official Letter (Estimated Tuition Fee)                        | Any time/upon request  | 50    |   |
| Enrollment Letter  | Any time/upon request  | 30    |   |
| Locker Key Replacement   | Any time/upon request  | 100   |   |
| Penalty Bounced cheques  | Per cheque             | 500   |   |
| Post-Dated Cheques   | Per cheque             | 130   |   |
| Repatriation Deposit - Refundable                              | One Time               | 5560  |   |
| Residence Visa (Applicants inside UAE)                         | One Time               | 1400  |   |
| Residence Visa (Applicants outside UAE)                        | One Time               | 850   |   |
| Visa Transfer  | One Time               | -     |   |
| Visa Renewal   | Per Occurrence         | 550   |   |
| Visa Cancellation (Abu Dhabi University has passport)          | One Time               | 180   |   |
| Visa Cancellation (Abu Dhabi University doesn't have passport) | One Time               | 325   |   |
| Student Health Insurance                                       | Per Year               | 1000  |   |
| Maintenance Deposit - Refundable                               | One Time               | 1000  |   |
| Door Cylinder Replacement                                      | Upon Losing Door Key   | 200   |   |
| Lost Diploma Fees  | Occurrence             | 300   |   |
| Certified True copy of the Graduation Certificate              | Upon Graduation        | 100   |   |
| Parking Sticker  | Per additional sticker | 25    |   |
| Parking Fines  | Per Occurrence         | 200   |   |
| Courier Fees (Local)   | Local                  | 70    |   |
| Courier Fees (International)                                   | International          | 200   |   |
| Internship Penalty   | Per Occurrence         | 500   |   |
| Intensive Business English                                     | one time               | 1000  |   |

Abu Dhabi University reserves the right to make changes affecting Tuition, Fees and other testing fees during the year. The maximum annual limit for any fee increase is 5%.



## Payment

Tuition and fees are due upon registration. Students can pay cash directly at any branch of Abu Dhabi Islamic bank or by bank transfer or online using Student self-service. Tuition and fees may also be paid by cash, checks, and valid master or visa credit cards in the Abu Dhabi University finance office.

### Cash Payment at the Bank

If you wish to pay in cash, please follow the steps to make the payment to Abu Dhabi University Account No. 1-341-7198 at any of the Abu Dhabi Islamic Bank branches:

- Access the Abu Dhabi University Student Portal.
- Enter your user name and password.
- Click on registration and choose Register in courses.
- Make sure you have finalized your registration.
- Click on the link to display the schedule then make a print out.
- Submit the print out to any of the ADIB branches.
- Deposit the full amount into account No. 1-341-7198.
- Keep the ADIB deposit slip.
- If within 48 hours, the amount paid does not appear in your statement of account, please check with the Abu Dhabi University Finance Department with your ADIB deposit slip

### Online Payment

Online payment is available through the Abu Dhabi University website [www.adu.ac.ae](http://www.adu.ac.ae)

- Log in to your peoplesoft account at E-Services
- Click self service then go to Student Centre to view the due amount and press make a payment
- Enter the amount desired to pay on each item, to calculate the total amount click calculate grand total. After checking the total amount, press next to continue

Note: The system will not allow to enter decimal while online Payment, you need to make sure to enter the amount without decimals.

- Read the agreement and tick the box if you agree, click pay online to proceed
- Select the type of card to use (Master card or Visa Card)
- Enter the card number, the expiry date and the security code then click pay to continue

- Transaction details will appear then click finish to proceed
- Lastly, a payment confirmation message will show, click ok to complete the payment.

## Plans for Tuition Payments

Each student who enrolls at Abu Dhabi University must choose one of the following plans and finalize the arrangements with the Finance Department:

### • Option 1: Pay in Full

Full payment is due during the first week of registration.

### • Option 2: Two Installments

The first payment is 50% of the total tuition fees due during the first week of registration and the second is a post-dated cheque two months after the first payment. A collection fee of 130 AED will be charged.

### • Option 3: Four Installments

The first payment is 25% of the total tuition fees during the first week of registration with three monthly post-dated cheques. A collection fee of 390 AED will be charged.

**Note:** Once a student pays by Post-dated Cheques, she/he cannot exchange any of them with cash or another cheque; all received cheques will be deposited directly to the bank on the date stipulated on the cheques.

## Refund

### Refund Fees

1. A refund processing fee of AED 100/- is charged to students who drop courses during the refund period and decide to receive a cheque for the refunded amount. If the student decides to keep the amount in his/her account, no fee will be charged.
2. Any overpayment amount will remain in the student account and will be deducted from next semester's fees. If a student wants a refund of the account balance, three cases are possible:
  - a) If the overpayment is less than AED 2,000/-, no refund will be made on a priority basis, but should occur in about 15 working days.
  - b) If the overpayment is equal to or higher than AED 2,000/-, the refund will be made on a priority basis, within 5 business days.



- c) If a student is:
- graduating the same semester, or
  - withdrawing from the University, or
  - receiving scholarship or sponsorship support, then his/her overpayment balance will be refunded at no extra charge and given priority service.
3. No refund processing fee will be charged if Abu Dhabi University decides to cancel the class.

## Refund Period

1. The refund periods for students in the Fall and Spring semesters are as follows:
    - a. 100% refund during the first academic calendar week;
    - b. 75% refund during the second academic calendar week;
  2. The refund periods for students in Winter/Summer courses are as follows:
    - a. 100% refund during the first and second days of classes;
    - b. 75% refund during the third and fourth days of classes;
    - c. 50% refund during the fifth and sixth days of classes;
    - d. 0% refund after the above period.
- c. 50% refund during the third academic calendar week; and
- d. 0% refund as of the fourth academic calendar week.



## College of Arts and Sciences Undergraduate Admission

### **Direct Admission into CAS:**

For students who graduated from 2017 onwards, please refer to the UAE Curriculum admission requirement table.

For students who graduated before 2017, the below admission requirement is applicable:

A minimum average of 70 % or its equivalent in the UAE National Secondary School Certificate can be directly admitted to the programs offered by the College except for Natural and Applied Sciences programs where the following conditions apply:

1. A minimum average of 75% or its equivalent in the UAE National Secondary School Certificate and above to be directly admitted to the program.
2. Only students from the Scientific or Industrial/Technical/Vocational tracks or equivalent could be admitted.
3. Students must take the Math Placement Test administered by the University College. Based on the result, the student will either be placed in the MTG 100 course or the MTT 101 course.

Students from the literary/arts track may be conditionally admitted. Based on the recommendation of the Dean, the student may be required to take remedial courses. Please refer to the Conditional Admission Section below.

### **Conditional Admission to the College**

Applicants whose UAE National Secondary School Certificate average is between 65 % and 69.9 %, or its equivalent, for College programs, except for the Natural and Applied Sciences programs, or 65% - 74.9% or its equivalent, for Natural and Applied Sciences programs will be granted Admission into University College. These students have to meet the following conditions to be eligible to formally join the college and confirm their major:



1. Completion of a minimum of 24 credit hours of General Education Requirements, including transferred credits, with a minimum CGPA of 2.0.
2. Completion of the following courses as part of the 24 credit hours required: UNS 102, ITD 100, ENG 200, STT 100 (for the BS Environmental Science).

Abu Dhabi University could conditionally admit students whose UAE National Secondary School Certificate average is between 50 - 64.9% (with a diploma: a CGPA of at least 2 and a score of C in English, IT and Mathematics) or students who score between 60 - 64.9% (without a diploma) upon the College Dean's recommendations.

These students have to meet the following conditions to be eligible to formally join the College and confirm their major:

1. Completion of a minimum of 24 credit hours of General Education Requirements, including transferred credits, with a minimum CGPA of 2.0.
2. Completion of the following courses as part of the 24 credit hours required: UNS 102, ITD 100, ENG 200, STT 100 (for the BS Environmental Science).

**The table below summarizes the types of admission into CAS:**

| Required Scores  | Direct Admission   | University College (UC) | Conditional Admission to UC                       |
|--|--|-------------------------|---|
| UAE National Secondary School Certificate                    | 75% or above for Natural and Applied Sciences programs<br>70% and above for the other programs | Min 65%                 | 50-64.9% with Diploma<br>60-64.9% without Diploma |
| Vocational Certificate/<br>Commercial/ Technical Certificate | 70% and above  | Min 70%                 | Min 65%   |

**Direct Admission to Bachelor of Arts in Persian Language**

In order to be admitted, the candidate should:

- a. Have obtained a secondary certificate or an equivalent certificate with not less than 60%;
- b. Pass the interview carried out by the program administration;
- c. Pass the Pre-entry English Test which is held by CAS; and
- d. Have good conduct and honor.



## College of Business Undergraduate Admission

### Direct Admission to the College

For students who graduated from 2017 onwards, please refer to the UAE Curriculum admission requirement table.

For students who graduated before 2017, the below admission requirement is applicable:

A minimum average of 75% or its equivalent and above can be directly admitted to the Bachelor of Business Administration program in the College of Business. Business students can apply for admission to the Accounting, Finance, Human Resource Management, Management, Marketing majors at their junior year after satisfying additional major specific requirements.

### Conditional Admission to the College

Applicants whose UAE National Secondary School Certificate average is between 65% - 74.9% or its equivalent will be granted conditional admission to the college. These students have to meet the following conditions to be eligible to formally join the college and confirm their major in Business. Students can apply for admission to the Accounting, Finance, Human Resource Management, Management, Marketing majors at their junior year after satisfying additional major specific requirements.

1. Completion of a minimum of 24 credit hours of General Education Requirements, including transferred credits, with a minimum CGPA of 2.0 or its equivalent. Failure to achieve a CGPA of 2.0 or its equivalent will result in repeating courses until the GPA is raised to 2.0 or its equivalent. Students are allowed maximum 2 repeats for the same course/level.
2. Completion of the following courses as part of the 24 credit hours required: ENG 200, STT 100, ACC 200, MIS 200 and ECO 201.

Abu Dhabi University could conditionally admit students whose UAE National Secondary School Certificate average is between 50 - 64.9% or its equivalent (with a diploma: a CGPA of at least 2 and a score of C in English, IT and Mathematics) or students who score between 60 - 64.9% or its equivalent (without a diploma) upon the College Dean's recommendations.

These students have to meet the following conditions to be eligible to formally join the college and confirm their major in Business Administration students can apply for admission to the Accounting, Finance, Human Resource Management, Management, Marketing majors at their junior year after satisfying additional major specific requirements.

1. Completion of a minimum of 24 credit hours of General Education Requirements, including transferred credits, with a minimum CGPA of 2.0 or its equivalent. Failure to achieve a CGPA of 2.0 or its equivalent will result in repeating courses until the GPA is raised to 2.0. Students are allowed maximum 2 repeats for the same course/level.
2. Completion of the following courses as part of the 24 credit hours required: ENG 200, STT 100, ACC 200, MIS 200 and ECO 201.

### The table below summarized the types of admission into COB:

| Required Scores  | Direct Admission | University College (UC) | Conditional Admission to UC                       |
|--|------------------|-------------------------|---|
| Secondary School certificates                                    | 75% and above    | Min 65%                 | 50-64.9% with Diploma<br>60-64.9% without Diploma |
| Vocational certificates/<br>Commercial/Technical<br>Certificates | 75% and above    | Min 70%                 | Min 65%   |



## College of Engineering Undergraduate Admission

### **Direct Admission to the College:**

For students who graduated from 2017 onwards, please refer to the UAE Curriculum admission requirement table.

For students who graduated before 2017, the below admission requirement is applicable:

A minimum average of 80% or its equivalent in the UAE National Secondary School Certificate can be directly admitted to the College of Engineering. Students from the literary stream in high school or equivalent could be admitted only to four programs at the College of Engineering without needing the Dean's recommendation:

- a. Interior Design,
- b. Architecture,
- c. Aviation and
- d. Information Technology.

However, students from the literary stream in high school or equivalent can still join any of the other College of Engineering programs upon the Dean's recommendation based on their high school record in math and science courses, or if they hold a diploma in a scientific major.

Students from the Scientific or Industrial Vocational/Technical streams or equivalent could be admitted to any of the College programs.

All College of Engineering students must take the Math Placement Test (MPT) administered by the University College. Based on the MPT result, students will be placed in one of the following math courses depending on their program of study: MTG 100, MTT 101, or MTT 102.

Students are allowed to take the MPT only once. Students who will take MTG 100 as a remedial course (i.e., it is not part of their curriculum) must pass it with a minimum grade of C before taking MTT 101. The same minimum requirement applies to students taking MTT 101 as a remedial course.

### **The following condition applies to Bachelor of Architecture program:**

All applicants to the Bachelor of Architecture Program are required to submit or present a portfolio of graphic work for evaluation as part of the admission requirements. The portfolio should demonstrate creativity and/or artistic skill; it may include freehand drawings, paintings, furniture, sculpture, craft objects, creative photography, construction projects, etc. Applicants can be selectively interviewed by two members of the teaching staff. The staff will be looking for a genuine interest in the subject demonstrated by background reading, current affairs, and, where possible, work experience. The interviewers are looking for evidence of creative intent.

### **Conditional Admissions to the College**

Applicants whose UAE National Secondary School Certificate average is between 65% - 79.9% or its equivalent will be granted conditional admission to the College. These students have to meet the following conditions to be eligible to formally join the College and confirm their major:

- a. Completion of a minimum of 18 and a maximum of 30 credit hours, including transferred credits, with a minimum CGPA of 2.0. Failure to achieve a CGPA of 2.0 will result in repeating courses until the GPA is raised to 2.0. Students are allowed maximum 2 repeats for the same course/level.
- b. Completion of the following courses as part of the 30 credit hours required: UNS 102, ENG 200, MTT 101 (if it's a required course).

Abu Dhabi University could conditionally admit students whose UAE National Secondary School Certificate average or its equivalent is between 50 -64.9% (with a diploma: a CGPA of at least 2.0 and a minimum score of "C" in English and Mathematics) or students who score between 60 -64.9% or its equivalent (Without a diploma) upon the College Dean's recommendation. These students have to meet the following conditions to be eligible to formally join the college and confirm their major:

- a. Completion of a minimum of 18 and a maximum of 30 credit hours, including transferred credits, with a minimum CGPA of 2.0. Failure to achieve a CGPA of 2.0 will result in repeating courses until the GPA is raised to 2.0. Students are allowed





maximum 2 repeats for the same course/level.

- b. Completion of the following courses as part of the 30 credit hours required: UNS 102, ENG 200, MTT 101 (if it's a required course).

**The table below summarizes the types of admission to the College of Engineering:**

| Required Scores  | Direct Admission           | Conditional Admission      | Conditional Admission with Dean's Approval                          |
|--|----------------------------|----------------------------|---|
| UAE National Secondary School certificate                | Min. 80% or its equivalent | Min. 65% or its equivalent | 50-64.9% or its equivalent with Diploma<br>60-64.9% without Diploma |
| Vocational certificate/ Commercial/Technical Certificate | Min. 80% or its equivalent | Min. 70% or its equivalent | Min. 65% or its equivalent  |





# STUDENT AFFAIRS DEPARTMENT

Student Affairs Department is primarily student-focused with an emphasis on holistic, experiential, and developmental learning. The department is directly managing the following programs:

## **ADUGroups**

Social media like platform implemented to increase student's knowledge and engagement with all activities happening in ADU's campuses. Through the platform, students can register for events, competitions, programs and stay updated on what's happening on ADU's campuses.

## **Co-curricular Transcript**

Through ADUGroups platform, the department will issue graduating students a co-curricular transcript. The co-curricular transcript is an official record of involvement in student organizations, community service activities, professional/educational development programs, leadership accomplishments and sports programs.

## **Sports & Wellness**

The Sports & Wellness office provides various sports competitions and wellness programs to students who will have an opportunity to enhance their physical well-being and life skills.

In addition, two top-notch gym facilities have been developed featuring state-of-the-art equipment from Technogym and Cybex. Each gym contains three main zones: Olympic weightlifting zone, cardio zone and a freestyle workout zone catered to all fitness levels and abilities.

To compliment these facilities, the Sports & Wellness office regularly hosts various discussions/lectures to empower students with greater knowledge and understanding for all their fitness and wellness needs.

Lastly, 2019 marked the unveiling of a new athletics arena. A 15,000 m2 sports complex with a full-size multipurpose court (fit for basketball & volleyball), two full size tennis courts, 4-lane 400m running track & a "FIFA Quality" certified astor-turf football pitch.

All of which will host the ADU Stallions as they compete at the highest level in the Abu Dhabi Inter-University League games and host in-house sports competitions.

## **Employability & Alumni Relations Office (EARO)**

The Employability & Alumni Relations Office provides an all-inclusive approach to career development beginning with career awareness and career decision making and aims at helping students and graduates in developing, evaluating and executing their career plans. The Employability & Alumni Relations Office focuses on experiential education opportunities throughout the academic year in tune with the requirements of the UAE labor market. The Employability & Alumni Relations Office offers a range of services:

### **Career Assessment**

The office offers a Career and education planning system for prospective students and current ADU students. Customized with ADU's majors, prospective students are guided through a reliable, intuitive career & education decision-making model to help them choose majors offered at your college, and current students can explore occupations & make informed career decisions. The Career and Education Planning System engages students in the career planning process helping them to plan for and achieve career success throughout their lifetime.

### **Career Planning Readiness**

Assesses students' involvement in the career planning process and introduces activities that support career and education decision-making.

### **Self-Assessments**

Reliable and valid research-based assessments. Prospective students' assessment results are matched to occupations and supporting majors at ADU.

### **Career Exploration**

Exploratory tools include "What Can I Do With A Major In... Offered At ADU? Search by Job Family, Industry and more."

### **Take Action Plan**

Students create a road map of their academic and career development activities.

### **Career Portfolio**

Summarizes students' assessment results with their preferred majors and occupations, and personal comments/rankings, goals and achievements.



## Career Guidance

Career Guidance and Advising is offered to students and fresh graduates who have career inquiries and assists them in improving their strategies in achieving their career goals through a series of practical and effective action plans.

Students can book one-to-one sessions with the Employability & Alumni Relations Office's certified career advisors. Students are encouraged to increase their employability skills by attending the variety of career development workshops provided during each semester. Workshops include: Resume and Cover Letter Writing, Dressing for Success, Professional Emails, Creating Linked In Profiles, Successful Job Interviewing, and more.

## Internship

The Internship program provides students the opportunity in bridging their academic knowledge with practical application and actual work experience. Internship constitutes a valuable part of the student's graduation requirements. As such, it is considered an important and natural extension of Abu Dhabi University's role in helping students increase their employability. By undertaking a supervised compulsory training course, students will have the opportunity to put into practice what they have learned in theory.

The internship is a supervised, practical training program over a specific period and that which carries credit. The Employability & Alumni Relations Office offers assistance to students requiring internship placements. Whenever possible, students are encouraged to seek and arrange their internship as part of their job search training. Undergraduate students, enrolled in their third or fourth year, who meet a pre-specified CGPA and number of credit hours completed, are eligible for an internship. Assessment is based on the evaluation of the college mentor and company supervisor evaluation, student commitment, and internship reports prepared by the intern.

## Employer Campus Visit Program

The ADU Employer Campus Visit Program is a great way for students and alumni to interact with employers. Each employer has a dedicated day on the ADU Campus to give the employer a more exposure, focus, support and a better chance for students and graduates to meet employers and learn about available opportunities. Participating companies are required to have specific internships, full or part time employment or sponsorship opportunities available for ADU students and graduates.

The ADU Employer Campus Visit Program welcomes employers to:

- Allocate a stand on campus to meet ADU students and graduates.
- Offer job interviews / Tests for vacancies (Full time & Part time Jobs, Sponsorships, Internships and Voluntary work).
- Share information and hold Information sessions.
- Host Career Workshops.

Employer Campus Visits are advertised on ADU GROUPS in the

Employability and Alumni Relations Group.

## On-Campus Student Employment Program

The Student Employment Program provides on-campus part-time employment, when vacancies are available, to eligible students who desire to work and acquire valuable work experience while studying at Abu Dhabi University. This program provides students the opportunity to develop skills, their profile, and widen their work history that will be important once they graduate from university. The on-campus Student Employment Program allows students the flexibility of work by providing them the option to work on campus during their free time. The program adheres to labor and higher education ministry regulations.

## Student Engagement Office (SEO)

The Student Engagement Office is a student-centered department that works in unison with various student bodies, clubs and groups to enrich ADU's community with an expansive variety of cultural, social, artistic, religious, environmental and recreational. SEO is always looking forward to create a vibrant campus life and to engage students with exciting new activities and events that occur on & off campus. Programs that represent the aim of the office are the following:

### • Student Council Program

This elite body of elected individuals offers a strong bridge of communication between the student body and ADU's management. The SC ensure that they embrace the needs of their fellow students' to assist understanding and suggest significant developments at Abu Dhabi University. The student council undertakes a variety of training style programs to enhance leadership and management opportunities once they graduate from ADU.

### • Clubs Program

There is an extensive and varied menu of opportunities, within the student club body, designed to motivate Abu Dhabi University students. There is also the opportunity to suggest and create new activities and for students to feel as though they are free to illustrate their culture, interests, and passions.

### • Leadership Program

Students are encouraged to volunteer in SEO, ADU and the outside community while also working with corporates through cross-generational working and CSR initiatives. Several tiers of 'leaders' are supported and will be given rewards through training, development, university exchange and International volunteering opportunities.

Throughout SEO's several developments, leadership and empowerment programs students are given the opportunity to make informed and proactive decisions, therefore, implementing positive change in their own lives, healthily spilling over into their ADU community. By empowering and enriching our students



SEO assist the faculty and administration by helping students' create their best self.

SEO strives to become a leading model of innovative and creative approaches for student-centered initiatives as we deliberately grow to meet the expanding needs of our splendidly diverse student body and the greater community.

## Student Support Office (SSO)

The Student Support Office is responsible for providing non-academic support services to students. These co-curricular opportunities foster atmosphere that promotes a healthy campus life twined with upholding student development and success.

### Code of Conduct

The Student Support Office encourages the student community to cultivate an environment of respect, integrity, and awareness.

When there is cause to believe a student is endangering the health, safety, or welfare of the university community or its property, university officials may order the immediate suspension of such student for an interim period pending a conduct hearing. The matter will be referred to the Head of Student Support Office, who will process such charges by the Student Code of Conduct.

### Abu Dhabi University Expectations

Abu Dhabi University is committed to being an academic community. This includes care, cooperation and adherence to standards of behavior for all who are part of this community. For this community to flourish, the following expectations of behavior have been established:

1. Abu Dhabi University expects responsible conduct by students and student organizations, both on and off campus, as a necessary condition for continued membership at Abu Dhabi University.
2. Students and student organizations are expected to be responsible members of a diverse community, and honor and respect differences of culture, lifestyle, and religion.

### Student Rights

As members of the University Community, students can reasonably expect all of the guarantees and protections which include the right to:

1. A fair process, guaranteeing both substantive rights and equitable procedures in all matters pursuant to the Student Code of Conduct;
2. Remain free from discrimination on the basis of race, ethnicity, gender, age, religion, creed, national origin or disability;

3. Engage in inquiry and discussion, to exchange thought and opinion, and to speak or write on any subject in accordance with federal and local laws;

4. Readily access established university policies and procedures; and

5. Have protection from unreasonable search and seizure. When a student/organization is charged with a violation of the Student Code of Conduct, that student/organization has the right to:

6. Receive advance notice of the alleged violation, be informed of who to contact for a meeting, and the date by which the contact must occur;

7. Present his/her version of the events in question;

8. Be accompanied by an advisor or parent. (The advisor or parent may not speak or participate directly in the conduct process. This includes questioning witnesses or making arguments on the student's behalf);

9. Have witnesses who present information on his/her behalf;

10. Question any statements or witnesses presented;

11. Challenge the objectivity of the hearing body in case of conflict of interest; and

12. Appeal the outcome of hearing on the following grounds:

- a. the procedures under which the student/organization is charged are invalid or not followed;
- b. the student/organization did not have adequate opportunity to prepare and present a defense;
- c. the evidence presented at the hearing was not substantial to justify the decision; or
- d. the sanction imposed was not in keeping with the gravity of the violation.

### Student Responsibilities

The following acts are prohibited and may result in disciplinary actions:

1. Acting or conducting oneself in a way that obstructs or hinders the application and enforcement of the Student Code of Conduct;
2. Trespassing, forcefully entering university-owned, leased or controlled premises without permission;
3. Destroying or vandalizing personal and/or public property;
4. Unauthorized use of computer system or access codes;
5. Stealing property, including intellectual property, of the university, its members, or visitors;



6. Knowingly giving false information to an Abu Dhabi University official;
  7. Willfully failing to comply with reasonable directions of university officials (i.e. faculty, staff and other employees of Abu Dhabi University);
  8. Committing an academic offense listed in the Student Academic Integrity Policy;
  9. Disrupting classroom activity and other university functions;
  10. Disrupting the operations of the university by an action or combination of actions that interfere or prevent others from freely participating in an activity or program given by the university; and
  11. Violating safety regulations such as:
    - a. falsely reporting a fire, bomb, or any other emergency;
    - b. unauthorized possession, use, or alteration or tampering of any university-owned emergency or safety equipment;
    - c. failing to evacuate a building or other structure in case of fire or emergency; and
    - d. taking any action that creates a risk that potentially compromises the safety of others;
    - e. Possessing fireworks, firearms, weapons or other explosive devices;
    - f. Threatening or causing physical or mental harm to others;
    - g. Harassing or causing a hostile environment within the university community;
  12. Abusing the Student Code of Conduct system. This includes but is not limited to:
    - a. knowingly filing a false statement or accusation against another person;
    - b. disrupting or interfering with the orderly business of a conduct proceeding;
    - c. failing to attend a conduct meeting;
    - d. discouraging an individual's participation in or accessing the student conduct process;
    - e. intimidating witnesses or participants of the conduct process;
    - f. failing to comply with the sanctions imposed under the Student Code of Conduct; and Student Code of Conduct; and
    - g. violating the terms of a conduct sanction
  13. Misusing or stealing university documents;
  14. Violating the student notice posting policy;
  15. Petitioning to change decisions made by Official University personnel
  16. Assisting or inciting others to violate the Student Code of Conduct;
  17. Littering and inappropriate disposal of refuse;
  18. Demonstrating within or outside of the university;
  19. Contacting media (includes but not limited to news, radio, newspaper or television) without prior approval from University Management;
  20. Printing or releasing any information about the university without prior permission from the Office of Student Support Services;
  21. Not providing security guards with personal identification and appropriate documentation when requested;
  22. Insulting or disrespecting a university faculty or staff member;
  23. Physically attacking university faculty, staff, visitors, or fellow students;
  24. Inappropriate physical contact or any intentional touching of any body part, and indecent exhibition of intimate parts of the body;
  25. Gambling on university premises;
  26. Recording, storing and distribution of images without the person's consent;
  27. Promotion of hostile behavior, communication of obscene language, intent to damage reputation by an individual or group through use of technology, but not limited to, websites, social networking sites, phones and emails;
  28. Violating any UAE law.
- ### Smoking
- Smoking is not permitted in any University premises, public spaces and hallways of residences owned and managed by Abu Dhabi University at any time, by any person regardless of their status or business in the University:
- All building entrances will be non-smoking areas;
  - Smoking will only be permitted in designated areas which are signposted;
  - "No Smoking" signs will be posted at all entrances and appropriate locations by the Office of Safety & Security;



- This policy applies even in the absence of posted “No Smoking” signs.

### Visitors

All visitors, contractors, and suppliers are required to abide by the No Smoking Policy. Security Officers are expected to inform students or visitors of the no smoking policy. However, they are not expected to enter into any confrontation which may put their safety at risk.

### Vehicles

Smoking is not permitted in University vehicles or any other vehicles being used on University business.

### Disciplinary Action

Students & Employees who disregard the policy may be subject to disciplinary action by University procedure.

### Drugs

Abu Dhabi University prohibits the unlawful manufacture, distribution, dispensation, sale, possession or use of any drug by any of its students, employees in its workplace, on its premises or as part of any of its activities. This policy is intended to supplement and not limit the provisions of any other related policies.

For this policy, the term “drug” includes:

- Controlled substances, as defined in UAE laws, which cannot be legally obtained
- Legally obtainable controlled substances which were not legally obtained, including:
  1. Prescribed drugs when the prescription is no longer valid;
  2. Prescribed drugs used contrary to the prescription;
  3. Prescribed drugs issued to another person

### Alcohol

Abu Dhabi University prohibits the dispensing, selling, supplying and consumption of drugs or alcoholic beverages on University property. Employees, students, faculty and campus visitors may not unlawfully manufacture, consume, possess, sell, distribute, transfer or be under the influence of alcohol, illicit drugs or controlled substances on University property, while driving a University vehicle or while otherwise engaged in University business.

University property, as defined in this policy, includes all buildings and land owned, leased, or used by the University, and motor vehicles operated by employees, including personal motor vehicles, when used in connection with work performed for or on behalf of the University. On exception to the prohibited

consumption of alcohol is the personal residence of an employee that is leased or owned by the University and where the occupant has a liquor license.

### Disciplinary Action

Violation of the above University policy will be subject to campus disciplinary review and action, as follows:

#### Students:

The University community has established expectations for academic and non-academic students who address the illicit use of alcohol and other drugs as follows:

The following behaviors contradict the values of the University community and are subject to action under this Statement:

- Illegally possessing or using alcohol.
- Illegally distributing, manufacturing, assumption or selling alcohol.
- Illegally possessing or using drugs.
- Illegally distributing, manufacturing, consumption or selling drugs.

The Statement is administered by the Safety & Security Office. The department along with the Vice Chancellors office is charged with facilitating the resolution process used to determine responsibility.

These measures cover a wide range of educational assignments and obligations, including but not limited to suspension and expulsion from the institution. Safety & Security office may delegate portions of the conduct process to other units of the University who have a vested interest in the conduct of smaller student communities (e.g., University Housing, Sports Department).

Academic units of the University also may have written or implied policies concerning the management of alcohol use and their response to the illicit use of alcohol and other drugs in the academic setting. Students are expected to know and understand these additional policies and abide by them.

#### Staff and Faculty:

Sanctions for violations by faculty and staff are governed by policies within individual departments and any applicable rules set by University regulations and other applicable policies or procedures. Appropriate sanctions may include verbal or written warnings, a mandated rehabilitation program, probation, suspension, and termination. In each case, there are likely to be different circumstances that are relevant for understanding the situation and determining the appropriate sanction.

Under the supervision of the Vice-Chancellor, action should be taken in the best interests of the University, student, and employee, keeping in view the government laws and regulations.





## Notification and Information Gathering

1. Reports of alleged violation of the Student Code of Conduct shall be reported, within two weeks of the day in which the event allegedly took place, to the Office of Student Support Office for possible administrative action.
2. The Student Support Office will notify students/organizations named in the complaint of the alleged violation, who to contact for a meeting, and the date by which the contact must occur.
3. Such notification will describe the alleged violation and advise the student that an administrative hold may be placed on the student's academic records pending investigation and resolution of the complaint.
4. The Student Support Office will gather information relevant to any complaint indicating that Student Code of Conduct violation may have occurred. The designated official from the Student Support Office is responsible for gathering information and has the authority to contact and meet with any persons believed to have information relevant to the complaint and encourage them to discuss the allegations of the complaint. In the absence of compelling circumstances, the process shall be completed within thirty (30) calendar days after the receipt of the complaint.
5. Based on the information gathered, the Student Support Office will decide whether to dismiss the charge, verbal issue warning or make a recommendation to the Head of the Student Support Office for evaluation with the Disciplinary Committee and assign conduct action.
  - a. If the complaint is dismissed, the Student Support Office will notify the charged student/organization of the decision.
  - b. If the charges are to be forwarded for conduct action, the Student Support Office will notify all concerned persons and outline the appropriate procedures to be followed.
6. Parents, other relatives, advisors or legal counsel are not permitted at any point during the conduct inquiry and adjudication process.
7. If the charges against the student concerned result in suspension or expulsion, the parents of the student might be contacted and notified.
8. Mediated Conduct Agreements. In certain conduct cases involving both a charged student and another disputant, the Student Support Office may recommend that the case is referred to mediation. The goal of mediation is to reach a mutually agreed upon resolution between the parties involved. In such cases, the following shall apply:
  - a. All parties involved must agree to mediation.
  - b. The mediator designated by the Student

Support Office must approve all agreements.

- c. If an agreement is reached, it must be signed by all parties and a copy kept by the Student Support Office until all terms and conditions of the agreement have been fulfilled.
- d. If an agreement cannot be reached, the case will be referred to the Student Support Office for resolution. If the Student Support Office calls for a hearing, no information disclosed at the mediation session may be provided in the hearing.

## Disciplinary Committee

The University Disciplinary Committee will consist of the Head of Student Affairs, concerned College Dean, Registrar and two students representing the men's and women's Student Councils or their appropriate representatives.

## Hearing Procedures

The Student Support Office is responsible for providing a written summary of the charges, including all information that resulted from the investigation process to the disciplinary committee members and the charged student/organization. The summary of charges and supporting information will provide the basis of the formal hearing proceedings.

1. Upon request, the student/organization charged, and the Student Support Office has the right to examine any supporting documents to be presented at the hearing at least seven (7) calendar days before the hearing.
2. All hearings are closed unless the charged student/organization requests an open hearing and the Head of Student Support Office or designee approve of the open hearing.
3. All formal hearings require a majority to find a student/organization responsible for violating the Student Code of Conduct.
4. All determinations by the disciplinary committee shall be made by whether there is a preponderance of the evidence that the charged student/organization violated the Student Code of Conduct.
5. The complainant and charged student/organization are responsible for presenting their information at the hearing.
6. The complainant, the charged student/organization, and disciplinary committee are the only individuals in a hearing who have the right to present information and question witnesses.
7. The charged student/organization has the right to appear at a hearing to hear the evidence, offer
8. explanatory and clarifying information and evidence and question any witnesses. The charged student may choose not to attend the hearing. If the student/organization, with or without



notice, does not appear for a formal hearing, the information in support of the charges shall still be presented and considered.

9. Audio and or video recording will be made of the hearing for review by an appeal panel.

10. Findings of fact and recommended sanctions, if any, shall be made in writing by the Disciplinary Committee and submitted to the Head of Student Support Office or designee within seven (7) calendar days after the close of the hearing.

11. The Head of Student Support Office or designee will review the findings of fact and recommended sanctions reported by the disciplinary committee and may:

- a. dismiss the charges;
- b. affirm the recommended sanctions; and
- c. impose a greater or lesser sanction than was recommended.

12. The Head of Student Support Office shall submit a written decision within seven (7) calendar days after the receipt of the findings and recommended sanctions. The Head of Student Support Office shall inform the students of the decision made.

13. If the charged student does not appeal the decision within three (3) calendar days, such decision will be final.

### Appeal Right

A student/organization has the right to appeal the decision made by the Disciplinary Committee. The appeal does not apply to cases dismissed and informal resolutions made by a conduct officer of Student Support Services:

1. A request for appeal, appeal form must be filed within three (3) calendar days from the charged students/ organization's receipt of findings.

2. The Head of Student Support Office or designee shall appoint an appeal panel that will hear all appeals from formal hearings. Training for the hearing procedures shall be conducted before the implementation of the policy.

3. The appeal panel shall consist of five (5) members and shall include two (2) faculty (one from the student college and one from another college), one (1) staff, one (1) student and the Provost, serving as the chair of the committee.

- a. Members of the Appeal Panel shall be drawn from a pool of faculty, staff, and students who have completed the approved hearing training.

4. The Head of Student Support Office or designee shall direct the appeal to the Appeal Panel within seven (7) calendar days of receipt of the appeal.

5. The Appeal Panel may request a personal appearance of the student/organization charged for the sole purpose of

addressing issues raised by the appeal.

6. The Appeal Committee will review the findings of fact and recommended sanctions reported by the disciplinary committee and may:

- a. dismiss the charges;
- b. affirm the recommended sanctions; and
- c. uphold or impose a lesser sanction than was recommended.

7. The Provost as the Chair of the Appeal committee shall submit the decision to the Head of Student Support Services or designee within seven (7) calendar days following the appeal. Decisions rendered by the Appeal committee are final and will be conveyed to the student/organization by the head of the Student Support Office or the designee.

### Sanctions

Students and student organizations are expected to abide by all Abu Dhabi University policies. If the policies and procedures of the University are not followed, students and organizations will be held accountable and subject to the following disciplinary actions.

1. A reprimand is official written notification of unacceptable behavior and violation of the Student Code of Conduct. Any student having a record of violating the Student Code of Conduct will automatically be removed from Honor's List. Any further misconduct may result in more serious disciplinary actions.

2. Disciplinary Probation is a conditional status imposed for a designated period. Further violation of the Student Code of Conduct while on probation will be subject to more serious disciplinary action. Disciplinary probation may place specific restrictions on the student or organization. These may vary with each case and may include but are not limited to restriction from participating in athletic activities and or campus activities.

3. Restitution: Replacement or payment for incurred damages

4. The suspension is the loss of privileges of enrollment at Abu Dhabi University for a designated period. A student's suspension shall not exceed one calendar year following the sanction. A student organization's suspension is a temporary revocation of University recognition. A student organization suspension will not exceed five years. A student serving suspension is restricted of the access to the university for the duration of the sanction unless approval has been secured from Student Support Services. While on suspension, students are unable to transfer credit hours for courses taken in other universities or educational institutions.

Expulsion is the permanent loss of privileges of enrollment at Abu Dhabi University. Expulsion will be noted on the student's permanent record. A student organization's expulsion is a





permanent revocation of university recognition. The sanction of expulsion is the only judicial sanction reflected on a student's official academic transcript.

5. Expulsion is the permanent loss of privileges of enrollment at Abu Dhabi University. Expulsion will be noted on the student's permanent record.

The sanction of expulsion is the only judicial sanction reflected on a student's official academic transcript.

### Student Grievances Policies and Procedures

Abu Dhabi University aims to foster the values of respect, integrity, fairness, and transparency among staff, faculty, and students. There are occasions, however, when conflicts arise which require resolution. Such conflicts are normally resolved informally and in good faith between individuals and groups through conflict resolution processes.

To this end, Abu Dhabi University encourages informal meetings between a grievant(s) and the respondent(s). Abu Dhabi University also encourages the involvement of third parties; such as Student Council, Student Support Office personnel, and the appropriate Coordinator, Head of Department, or Dean, all of whom are expected to assist with communication and mediation.

In cases where the informal meetings prove unsuccessful or unsatisfactory, the grievant has the right to file a formal grievance that complies with the terms of this policy and its procedures.

### Definition

This policy uses the following definitions:

**Grievance:** A request by a student for a formal investigation of decisions or actions by a faculty or staff member of the University that are perceived to be wrong, mistaken, unjust, discriminatory and in violation of the rights of the student.

**Grievant:** The person(s) who submits the grievance.

**Faculty:** Members of the University faculty including part-time, full-time and non-regular faculty, such as visiting and adjunct faculty.

**Employee:** A person officially employed by Abu Dhabi University in any capacity.

**Instructor:** Any person employed by the University who teaches a class, including part-time, full-time and non-regular instructors such as visiting and adjunct instructors.

**Respondent:** The person or persons cited in the grievance.

**Staff:** Any non-teaching employee of the University, including students.

**Student:** Any person who is registered for classes at Abu Dhabi University.

### Students' Complaints and Rights

- Access the syllabus of each course they study, particularly the assessment methods and criteria that are used to measure the achievement of the intended learning outcomes of the course.
- Express their ideas in class that is relevant to the subject matter, subject to the need for the instructor to maintain order, manage the learning process, and to stay on schedule.
- Receive reasonable assignments that are graded using only the methods and criteria indicated in the syllabus.
- Be told about the nature of the material that will be included in any graded examination.
- Check and discuss their graded examinations and papers with their instructors.
- Have instructors who attend their classes on time and at the scheduled times.
- Have instructors who schedule reasonable office hours for student conferences
- Have instructors who post their office hours on their office doors and in the syllabus.
- Have instructors who do not discriminate by personal prejudices, race, color, gender, religion, age, disability, or national origin.
- Participate anonymously in the process of evaluating the effectiveness of instructors.
- Be given privacy, without improper disclosure of personal information from academic, counseling, disciplinary, financial, and medical records held by the University, although the University, in loco parentis, may share such records with a student's parent or guardian.
- Start and join clubs and sports teams, with the prior knowledge and approval of Student Engagement and Development Office.
- Promote their common interests through collective advocacy, such as via the Students' Council
- Be treated with respect and courtesy by Abu Dhabi University employees.

### Confidentiality

A student may not submit a formal grievance in the following circumstances:

- A grievance is against another student(s) - such grievances should be processed by the Code of Conduct.
- A grievance is against personnel decisions.



- A grievance is against grades awarded in particular courses or academic decisions regarding academic work unless there is an element of harassment and discrimination involved in the claim.
- A grievance is based on the same or similar circumstances that are pending resolution or have been resolved or are under adjudication and involve the same student.
- A grievance is against a University policy or procedures, or a University employee is acting in compliance with those policies/procedures.

The Head of Student Support Office or the designee will be responsible for the implementation of this policy. The implementation will comprise five phases:

1. At the start of each academic year, the Head of Student Support Office or designee will submit the Committee Specifications of the Student Grievance Committee (SGC) for consideration and confirmation, including the nomination of members.
2. The SGC will comprise:
  1. The Provost, or designee, who will serve as a voting Chair.
  2. The Dean, or nominee, from each College
  3. one student per college, representing the men's and women's Student Councils on the Abu Dhabi and Al Ain campuses, one of whom is to be elected by the SGC as Deputy Chair.
3. The SGC will normally consult with Student Support Office staff, faculty, students, and representatives from the Provost's (or designee's) or Vice-Chancellor's (or designee's) office concerning the details of each case. It will then move back into a confidential committee meeting to discuss the case in detail and make decisions. Decisions will be made by formal votes, in all cases.
4. The SGC will provide advice in the form of a summary analysis of the case with recommendations in a written report to the Provost, or designee, with a copy going to the grievant.
5. Any appeal concerning this report must be forwarded to the Chancellor in writing within one week of the grievant's receipt of the report.
6. The Chancellor will make a final decision within five working days of receiving the appeal or, in cases where due process has been shown not to have been followed, direct that the SGC hear the case de novo.

### Student Grievance Committee Rules

The following conditions and processes apply:

- Student Grievance Forms must be held on behalf of the

SGC, and made available to students on request, by the Student Support Office.

- A grievance must be submitted to SGC via the Student Support Office within two weeks of the day in which the event allegedly took place.
- The Student Support Office is to place all grievances on file, on behalf of the SGC, along with other pertinent grievance documents and the determinations made by the SGC, Appeal Committee, and Chancellor.
- If an SGC member declares or discovers a conflict of interest during proceedings, or a conflict of interest involving an SGC member is discovered by another SGC member during proceedings, the member involved may pardon him/ herself from the committee or be excused by the Chairperson.
- Should a disagreement arise between a committee member and the Chairperson as to whether or not a committee member should be excused on the grounds of a conflict of interest, a resolution will be sought by a majority vote. A tie vote will be referred to the Chancellor for resolution.
- SGC committee members may not also serve on any Appeals Committee appointed by the Chancellor.

### Appeals

- The Grievant shall have the right to appeal the SGC report to the Chancellor. This appeal must be in written form and filed within five (5) days.
- The Chancellor will review the SGC report to determine whether the evidence and the process used to support the recommendations.
- The Chancellor shall have the discretion to:
  - a. uphold the SGC recommendation(s);
  - b. reverse the recommendation(s);
  - c. refer the case back to the Student Grievance Committee for reconsideration de novo; or
  - d. uphold the recommendations of the SGC, with whatever modification deemed reasonable.

The Chancellor's decision shall be conveyed to the Grievant and the Respondent by the Head of Student Support Office or the designee and filed by the Head of Student Support Office.

### Housing and Residence Life

Abu Dhabi University -Abu Dhabi Campus offers residence units of different classifications, all of which are apartment/studio type which is housed in buildings with 24/7 security and security system. Student dormitories are separated regarding gender,



in observance of the Gender Segregation Policy of the university. These residences are strategically located within the ADU Campus, creating an atmosphere most conducive to learning and comfort of students.

A Residence Life Coordinator and Security Personnel who are available 24/7 to cater to students' requests and other needs man each dormitory. Due to health and hygiene purposes, pets are not allowed in the dormitories. Curfew hours are applied to ensure student safety and promote a secure environment of campus living.

#### **Types of Units:**

- Private Room:
- Single unit with individual kitchen and bath (1 person/ unit).
- Semi-Private:
- Single Occupancy with Shared Bath and Kitchen (2 persons/unit).
- Double-Occupancy:  
One-bedroom unit with two beds with shared kitchen and bath (2 persons/unit).
- Double-Shared Occupancy:  
Two-bedroom unit with two beds in each room and shared kitchen and bath (4 persons/unit).

All units are furnished with bed/s, complete beddings, bedside drawers, study desks, and cupboards, microwave ovens, and refrigerators.

#### **Facilities and Services available:**

- Common kitchens
- Laundry room
- TV room
- Study areas with desktop computers
- Gym
- Recreation facilities
- Weekly transportation to and from shopping areas
- Wireless Internet connection
- Cleaning services
- Safety and Security services
- Maintenance services

### **ADU Residential Life Programming**

The RLP is comprehensive planning of programs which

defines the on-campus living and learning experience which is primarily focused on LLB: Living, Learning, and Belonging. The RLP contributors are the Housing and Residence Life Unit members, the Resident Assistants and the Dormitory Council members.

### **Counseling Service**

Counseling Services aim to clarify the needs arising from the impact of college life on the student's educational, interpersonal, and social life. Supportive counseling services can help the students adjust to their circumstances and relate to the environment more productively. It also offers an atmosphere in which students may discuss their issues with the assurance of all counseling information to remain private and confidential.

It also engages in activities that contribute to the well-being of Abu Dhabi University community through on-campus and off-campus service delivery projects. Both students and the community benefit from continued commitment in providing a model counseling program.

Supportive counseling services provided to students included but not limited to:

- Individual Counseling - to discuss information and difficulties with educational/academic matters, coping/adjustment skills to academia, and interpersonal issues affecting academic performance.
- Group Counseling - provides an opportunity for a group of individuals (2 or more) to explore new techniques in several issues; i.e., communication, stress/anger management, and interpersonal matters.
- Educational Activities & Personal Development - are workshops and referral services designed to respond to the variety of student's needs and development during their academia.
- Other Services: this includes Dress Code which promotes the cultural value and individual respect and Consultation with students, family members, guardians, faculty and staff, Emergency Response when the need arises.

### **Students with Special Needs**

Students with special needs are encouraged to consider a university education. By working to create an accessible learning environment, the administrators, faculty, and staff of Abu Dhabi University endeavor to provide support and services that:

- Enable students with special needs to approach their studies more effectively;
- Enhance understanding of special needs within the University community, and



- Promote collaboration within the University community and within the community at large to assist students with special needs.

Special need students include those students with:

1. Any degree of physical disability, infirmity, malformation or disfigurement that is caused by bodily injury, congenital disability or illness and, without limiting the generality of the preceding includes:

- Epilepsy;
- Any degree of paralysis;
- Amputation;
- Lack of physical coordination;
- Blindness or visual impairment;
- Deafness or hearing impairment;
- Muteness or speech impediment; or
- Physical reliance on, wheelchair, or other appliance or device;

2. A learning disability or a dysfunction in one or more of the processes involved in the comprehension or use of symbols or spoken language;

### Counseling Services for Special Needs Students

The Counseling Services Office assists the students with impairments in fully participating in all aspects of University life, and in particular:

1. Provide support and advice for students with impairments.
2. Formally evaluate the student's impairment, and the following discussion with the course coordinator, determine what support or accommodations are appropriate. In making an assessment, the counselor may seek advice from appropriate professionals such as a doctor, neurologist or educational psychologist.
3. Coordinate the provision of specialized services, furniture, equipment, or other accommodations as required.
4. Liaise with the student and other relevant student service providers to ensure that where required, appropriate support is provided to any student with impairment.
5. Provide support, advice, and information to the appointed counselor in each department.

### Student Dress Code

Students are responsible for the reputation of Abu Dhabi University. All are expected to dress appropriately and respect cultural and religious traditions of the United Arab Emirates. The following are unacceptable at Abu Dhabi University.

#### Male students:

- Shorts are not allowed unless for sports activities.
- Tight or revealing shirts/tops.
- Shirts with inappropriate logos or sayings.
- Sleeveless shirts.
- Tight or transparent pants.

#### Female students:

- Shorts are not allowed unless for sports activities.
- Tight or revealing shirts/tops.
- Shirts with inappropriate logos or sayings.
- Tight or transparent pants.
- Midriff and halter tops.
- Sleeveless shirts.
- Tights or leggings.
- Face covers (that obstruct identity).
- Skirts above the knee.

### Student Visa & Health Insurance

Abu Dhabi University students, who choose to be sponsored by the University regarding residence visa, should apply through the Student Affairs Department. The visa sponsorship process requires certain conditions that students should meet to obtain and maintain a student visa. Such conditions are covered by UAE government rules and regulations:

- Applicants should be enrolled in either an undergraduate or postgraduate program in ADU
- Applicants should maintain full-time student status by taking a minimum of 12 credit hours (undergraduates) and six credit hours (postgraduates) every Fall and Spring semesters
- Applicants must not engage in full-time employment while sponsored by ADU
- Applicants must promptly respond to any notice, telecommunication, e-mail & SMS involved with their visas and Health Insurance Cards renewal process
- Applicants must comply with the student visa policy
- Immediate updating from the student's side for Student Support Service office with any changes may occur to the student's communication channels (Tel Nos. & E-mails)

Students under Abu Dhabi University visa sponsorships,



together with GCC students who wish to have UAE health insurance plans should also apply through the Student Affairs Department.

## Student Locker

Lockers are available to any current and registered student of Abu Dhabi University. Due to a limited number of compartments, locker rental is subjected on a first-come, first-served basis. Locker applications are obtained, completed and submitted to Student Support Office.

### Locker Availability

Male Side:

- Ground Floor

Female Side:

- Ground Floor
- First Floor
- Second Floor

## Student Transportation

The Abu Dhabi University Student Transportation Service has been established to offer and maintain a safe and orderly environment for travelers to and from Abu Dhabi University campuses. Abu Dhabi University provides the service to transport students according to their needs in addition to allowing access to the university. Students are picked-up and dropped off at designated areas around the city of Abu Dhabi in accordance to the student's preferred type of service.

## Reduction

### Family Tuition Discount

When two or more members from the same family are enrolled at Abu Dhabi University as full-time undergraduate students in the same semester, the Family tuition reduction Policy will apply a value of 15, 20 or 25 percent reduction on tuition fees dependent upon the number of family members enrolled.

### Eligibility Requirements:

This tuition reduction is applicable to students from the same family. This implies family members with direct relationships or kinship such as siblings, spouses, or parents with more than one student simultaneously enrolled at Abu Dhabi University.

The tuition reduction will be implemented as follows:

1. Each of every two students enrolled shall benefit from a 15 percent waiver in tuition (family member enrolled is 2)

2. Each of every two students enrolled shall benefit from a 20 percent waiver in tuition (family member enrolled is 3)

3. Each of every two students enrolled shall benefit from a 25 percent waiver in tuition (family member enrolled is 4)

Ongoing family tuition reduction maintenance requirement

A minimum CGPA of 2.5 is required.

### Rules and Regulations

The following rules and regulations shall apply to Abu Dhabi University family tuition reduction:

- a. In case a student qualifies for more than one tuition reduction, scholarship or financial aid benefit, the student shall be given the option to choose the benefit with the highest value.

- b. The tuition reduction will not cover any repeated courses including courses which graded as F, WA, and W.

- c. In any case where the minimum required cumulative CGPA is not met the student will lose the family tuition reduction for the following semester and the tuition reduction for other family members will be adjusted accordingly.

- d. Any student who is found guilty of a student code of conduct violation or an academic integrity offense will forfeit the family tuition reduction for the semester following the offense and the tuition reduction for other family members will be adjusted accordingly.

- e. Tuition reduction will cover the summer and winter terms.

- f. Students with Faculty/Staff tuition reduction are not eligible for family tuition reduction.

- g. Students need to apply for family discount every semester based on the mentioned dates in the academic calendar.

## Scholarships

A variety of scholarships are offered to encourage students to develop academic strength, discipline and a sense of community. The maximum coverage period of any scholarship is four years, or upon graduation, whichever is sooner. It is not necessary to re-apply for a scholarship as long all maintenance criteria (outlined below) are met.

The scholarship application process begins after a student is formally admitted to ADU and assigned a unique student ID number. This number is used to securely login to a University account that has a section for Financial Aid and Scholarships.

As student information, including academic records, has already been processed by the University upon admission, any scholarships that the student is eligible for will appear on their account page. The student may choose to fill out the online application for any scholarship that appears here,



as they qualify for these based on merit. The application is completed with the appropriate details filled in by the student, along with the uploading of any required documents, and then is submitted online.

### H. H. Sheikh Hamdan Bin Zayed Scholarship

(20 scholarships annually)

Value: 100 percent waiver on tuition, application fee, registration fee, student services fee and health service fee.

#### Eligibility Requirements:

a. This scholarship is available to the top 20 public secondary school graduates across the UAE who are newly admitted & join Abu Dhabi University in the fall semester only. The H.H. Sheikh Hamdan Bin Zayed Al Nahayan Scholarship will be applicable to the period of time the student is enrolled at Abu Dhabi University in full time status.

b. Receipt of the scholarship is contingent upon the selection and formal approval from the Office of H.H. Sheikh Hamdan Bin Zayed Al Nahayan.

c. Meeting the English Language Proficiency Requirements defined by the Ministry of Higher Education and Scientific Research.

#### Ongoing Scholarship Maintenance Requirements:

A minimum Cumulative Grade Point Average (CGPA) of 3.70.

A minimum of 12 passed credit hours per semester.

### Chairman's Scholarship:

(5 scholarships annually)

Value: 100 percent waiver on tuition, application fee, registration fee, student services fee and health service fee.

#### Eligibility Requirements:

a. This scholarship is available to students who obtain an average of 97% or above in each of their last three years (grade 10, 11 and 12) of secondary school who newly graduate from secondary school and join Abu Dhabi University in the same year of their secondary school graduation.

b. Receipt of the scholarship is contingent upon the selection and formal approval from the Office of the Chairman.

c. Meeting the English Language Proficiency Requirements defined by the Ministry of Higher Education and Scientific Research.

#### Ongoing Scholarship Maintenance:

A minimum CGPA of 3.70.

A minimum of 12 passed credit hours per semester.

### University Scholarship

Value: from 10 percent up to 50 percent =waiver on tuition fees for UAE residents & GCC national candidates (GCC national candidates must provide official attested documents).

a. Students who newly graduated from secondary school and join ADU within two years of their secondary school graduation may receive scholarship with a value from 10 up to 50% waiver of the tuition fee per campus based on their high school average and selected major.

b. University scholarship will be applicable to the period of time the student is enrolled at ADU in full time status (registered in 12 credit hours), the only exception to the 12 credit hours will be given in the first registered semester and the following term for students who are not meeting the English Language Requirements.

#### Ongoing Scholarship Maintenance:

a. Students with university scholarship maintained automatically at reduction rates as previously approved when a student maintains a minimum grade point average (CGPA) of 3.60

b. A minimum of 12 passed credit hours per semester except for winter and summer terms.

### Academic Scholarship

**Value:** 20 percent waiver on tuition fees for all continuing Abu Dhabi University students.

#### Eligibility Requirements:

a. This scholarship is available to continuing students who obtain 3.60 CGPA for two consecutive semesters.

#### Ongoing Scholarship Maintenance:

A minimum CGPA of 3.60.

A minimum enrollment of 12 passed credit hours per semester.

### Athletic Scholarship

**Value:** 25 percent waiver on tuition fees for the continuing students per academic year.

#### Description and Eligibility Requirements:

a. This scholarship is awarded to students that demonstrate active participation on ADU sports teams (either as coach, captain or player).

b. Successful completion of the English Language Institute courses.

#### Ongoing Scholarship Maintenance:

A minimum CGPA of 2.5.



A minimum of 12 passed credit hours per semester.

## Rules and Regulations

The following rules and regulations shall apply to all Abu Dhabi University scholarship recipients:

- a. Scholarships are given for the period of time the student is enrolled at ADU, benefits outlined herein shall be granted according to the time period indicated by the study plan.
- b. The student can appeal the decision of the committee two weeks from the announcement of scholarship recipients.
- c. A student may avail of only one scholarship.
- d. Tuition reductions, scholarships and/or financial aid cannot be shared and/or transferred among family members.
- e. Students who are sponsored by a third party may or may not receive any ADU scholarship depending on the third party agreement.
- f. In case a student qualifies for more than one reduction, scholarship or financial aid benefit, the student will be given the chance to choose the benefit with the highest value.
- g. Students who do not continuously enroll or register for medical reason or other justifiable emergency reasons approved by scholarship and student aid office may postpone for one semester.
- h. Any student who is found guilty of a student code of conduct violation or an academic integrity offense will forfeit the applicable scholarship for the remaining study in ADU.
- i. Any withdrawal from classes during a given semester without prior approval from the Scholarship and Student Aid Office may result in a scholarship cancellation.
- j. Scholarships will cover Winter and Summer terms.  
  
Only under special circumstances will a student be permitted to take a semester off without forfeiting his/her scholarship support after obtaining the approval of the Office of Scholarships and Financial Aid. This can be granted once only during his study plan with supported document submitted to the Office of Scholarships and Financial Aid.
- k. Scholarship and Student Aid Office will not cover any repeated courses including courses graded such as F, WA, and W.
- l. Students are not required to reapply after receiving

the scholarship. Scholarship will be renewed automatically as long the eligibility requirements are maintained.

## Financial Aid

The level of financial aid is determined after a comprehensive assessment of the candidate's eligibility based on need. Financial support may range from 10 percent to 40 percent waiver on tuition fees.

### Initial Eligibility Requirements:

- a. Students with a UAE permanent resident visa enrolled in an undergraduate program at ADU excluding international and GCC candidates.
- b. Demonstrable evidence of financial need as supported in application documents, submissions and upon further investigation.
- c. Evidence of a minimum grade of 70 percent on finishing examinations from secondary education for first year students and a Cumulative Grade Point Average (CGPA) 2.5 for the continuing students.
- d. Meeting the English language proficiency requirements as defined by the Ministry of Higher Education and Scientific Research.

### Ongoing Financial Aid Maintenance Requirements:

A minimum Cumulative Grade Point Average (CGPA) of 2.5.

A minimum of 6 passed credit hours per semester.

Completion of 20 hours community service per semester.

## Rules and Regulations

The following rules and regulations shall apply to financial aid:

- a. Students who appeal the committee's decision have two weeks after the results are announced to file an appeal.
- b. In the case where a student qualifies for more than one tuition waiver, scholarship or financial aid benefit, the student shall be given the chance to choose the benefit with the highest value.
- c. Financial aid will not cover any repeated courses including grades such as F, WA, and W).
- d. Any student who is found guilty of a student code of conduct violation or an academic integrity offense will forfeit their eligibility for the financial aid support provided by ADU for the remaining study in ADU.
- e. Any withdrawal from classes during a given semester without prior approval from the Office of Scholarships and Financial Aid may result in a financial aid cancellation.





f. Benefits outlined herein shall be granted according to the time period indicated by the study plan.

g. Financial aid will cover the Winter and Summer terms.

h. In the case where minimum required cumulative GPAs are not met and the student risks losing financial benefits, the student shall be entitled to a onesemester probationary period to be given only once during his study duration.

i. In case where a student does not enroll or register in the university he/she will not receive the financial aid. Students will need to reapply during the mentioned dates in the academic calendar.

j. Continuing students need to re-apply for financial aid on a yearly basis and are required to submit updated documents during the mentioned dates in the academic calendar.

k. Students must dedicate 20 hours per semester, including the summer and winter terms, as an approved form of community service on-campus.

l. Newly graduated High School graduate students who wish to apply for financial aid support who meet the eligibility requirements can apply during the mentioned dates in the academic calendar.

## Information Management & Technology Services

IMTS department provides Information systems and technology for computing across ADU. Details of services provided for students are as follows;

### Student user account

All ADU students are provided with a user account based on unique student ID number, this account is used for accessing all ADU online services and computer facilities in ADU.

An example of ADU student account0000000@students.adu.ac.ae

Email Format: "Student Number" @students.adu.ac.ae

Example Email Address: 0000000@students.adu.ac.ae

### Access to student account

Student receives an auto generated password and use it to log to My ADU portal. They should set their own password after their first log on to the portal. Students need to protect and ensure that their password is secure; student account and password are owned by the students and they are

responsible for keeping it secure.

How to enable the password to student account?

1. Go to ADU portal <http://my.adu.ac.ae>
2. User will be prompted to answer security questions
3. Choose and set a permanent password for the account.

**Note:** Password should be changed every 3 months (90 days).

### Student Online Learning Services

Student online learning services are very important tools for students in ADU; these services are called;

Student Information Systems that enable students to access their student information, course registration, online payment, viewing schedule and grades.

Blackboard, which is the primary eLearning platform for all ADU students. Students can access the subject/course materials on blackboard, assignments, e-textbooks. It is the primary tool for Faculty and Student interaction and can facilitate collaboration in the course.

Office 365 includes the complete academic license Microsoft Office Suite. Microsoft Office 365 provides student access to Email, download and install Microsoft Office application that can use be used by current students on their personal computers.

One Drive, a cloud storage hosted by Microsoft provides students 1TB of storage space online.

These services are all accessible on ADU student portal. <http://my.adu.ac.ae>

### Technology facilities on campus

Students on campus are provided with Free Access to Internet via Wireless network. Students can connect to Wireless SSID "Student" for a secure connection or an alternative "OPEN-ACCESS" with direct access to Internet, often used for guests or visitors.

ADU have several computer laboratory design and built base on the course or program offered by ADU. The labs have a secure connection and mostly have limited licensed software installed for the course.

Lecture rooms are equipped with audio and visual technology for classroom presentation.

Availability of Inter Campus Lecture Room for Video Conference classes for Abu Dhabi and Al Ain. This provides a more interactive classroom experience for both faculty and students.





Printer, copier and scanners are available on campus for students. Student ID card is required to access this service. The printers are located in the male and female side of the library. Students can print from the general purpose labs and the OPAC work stations located in the library. Plotter is also available for Engineering students.

### **Policies & Procedure**

All student related policies and procedure are made available on student portal. <http://my.adu.ac.ae>.

### **Help Desk and Online Support**

For all general IT support queries,

Email: [ithelpdesk@adu.ac.ae](mailto:ithelpdesk@adu.ac.ae) or go to AskADU ([ask.adu.ac.ae](http://ask.adu.ac.ae)).

For telephone support: Dial +971 2 501-5959

Student needing assistance on technical support related service can walk-in into IMTS help desk or raise it through AskADU ([ask.adu.ac.ae](http://ask.adu.ac.ae)).

Student can use the student ID card to gain access to ADU Campus. Alternatively, student can register a fingerprint for biometric authentication.

## **Bookshop**

The Abu Dhabi University Bookstore is dedicated to provide students, faculty and staff quality textbooks on time, combining service with value pricing. The suitability of adopted textbooks for the course has been reviewed and evaluated thoroughly by the Colleges. In addition, ADU partnered with major international publishers to provide advantages in textbook prices and selection.

ADU considers e-book's potential to provide a more effective and efficient teaching strategy and deliver of content to students. Timely availability, cost efficient, vast available online resources, highly interactive and adaptable into new editions are some of the advantages of e-books.

Abu Dhabi University Bookstore is constantly striving to supply what the consumer is asking for and continually reviews what is available in the marketplace, improving on what is available and providing new products and services as needed.

## **Library**

The Abu Dhabi University library includes facilities on the Abu Dhabi and Al Ain campuses. The library provides educational services to Abu Dhabi University communities that include orientation, training for new users, information literacy, research assistance, subject guides, borrowing and lending, reference services, database searching and internet

access. The Abu Dhabi University library is committed to providing a well-balanced and up-to-date set of educational resources.

### **Membership**

The Abu Dhabi University library is open for the purpose of study and research to the following groups:

- members of all the Boards and Councils of Abu Dhabi University;
- members of Academic and Non-academic staff of Abu Dhabi University;
- registered students of Abu Dhabi University;
- other students taking courses in Abu Dhabi University as agreed by the manager of the library or an authorized representative;
- students of other UAE universities as authorized by the manager of the library;
- access to the library print and online collection for the wider community is allowed on campus.

### **Abu Dhabi University library provides the following services to its users:**

- Circulation and Reserves
- Reference Service
- Full Text e-Journals Search
- Group Study Rooms
- Information Literacy Sessions
- Interlibrary Loan
- Online Library Catalog
- Library guides

### **General Rules**

All registered readers are presumed to know the library regulations which are included in the Student handbooks and available in the Library and on the Library's web pages.

### **Library Hours**

The library is open Sunday through Thursday and closed on Fridays; public holidays and other days of obligation.

The opening hours of the main library are displayed on the notice boards and are as follows:

|                    |                      |
|--------------------|----------------------|
| Sunday – Thursday: | 8:00 am – 8:00 pm    |
| Saturday:          | 12:00 noon – 8:00 pm |
| Friday:            | Closed               |



Public holidays and special days: Closed

Saturdays, Ramadan and summer sessions have special hours.

The opening hours of Abu Dhabi University are displayed at the library entrance and website. The library normally closes on days on which Abu Dhabi University is closed as published in the Abu Dhabi University Calendar. Use of the Abu Dhabi University library is normally permitted to the above mentioned groups. Admission to closed collections is at the discretion of the library manager subject to the separate regulations governing those collections; admission to them does not of itself imply permission to use other parts of the library's collections.

## Cafeterias and Restaurants

Abu Dhabi University Food Court offers menus that are innovative and affordably priced. It serves a broad selection of items that appeal to every taste and dietary restriction. Restaurants at Abu Dhabi University Food Court are designed for use by staff, students and visitors, and is generally the most visited component of the university. It is also a place where students and faculty can take their visitors for brief coffee break or a lunch hour visit.

### Abu Dhabi University Food Court:

- Lamartin Valley
- Starbucks Coffee
- Cinnamon City
- Pizza Hut
- Subway
- Hardees
- Nabras Restaurant
- Circle K Supermarket
- Tim Hortons

## Contact Center

Abu Dhabi University Contact Center has a wider but vital responsibility to provide the highest level of customer service to our potential students and existing students who call the University Toll Free number (800 ADYOU – 80023968) and guests/vendors who call the Operator (02-501-5555). The University Contact Center employs dedicated full time staffs along with part time support staffs and current Abu Dhabi University students to deliver professional and correct information and act as the information gateway for the Abu Dhabi University, its students, staff and the wider community.

The Contact Center is open from 9 a.m. to 6 p.m., Sunday to Thursday and has 8 lines hubbed to the toll free number to ensure easy and seamless accessibility by the existing as well as prospective students. Our Mission is to deliver a comprehensive and efficient information service, providing

positive experiences and placing our clients at the center of what we do. The Contact Center supports a wide range of service initiatives aimed at helping different departments within the Abu Dhabi University like managing the Operator line – 02-501-5555, outbound calling projects, sending bulk sms, sending bulk email blasts, conducting phone-based surveys, serve as one of the multiple Point of Contact for Students Complaints, helping other departments with call overflows on request, sending e-publication to prospects on request etc.

For prospective student enquiries call 800 23968 or email [Admissions@adu.ac.ae](mailto:Admissions@adu.ac.ae)

The Contact Center team do a follow-up call with the prospects after the first conversation or after the meeting via school visits, open days, exhibitions, information session and mall booth.

The Contact Center team should have a good sales skills over the phone to follow up with prospects to share new information, call the prospect and make sure that we assist prospects or parents and advise them about what Abu Dhabi University offers.

### Our Commitment to Quality

The ADU Contact Service Center is committed to continuous learning and improvement and this is demonstrated in its rigorous quality monitoring program. Staffs are assessed on their customer service skills and product knowledge based on an internal daily call monitoring system. The Contact Center is also independently assessed through Mystery shopping each month by Nielsen, a global consumer research company who specializes in such fields. Abu Dhabi University Contact Center has been consistently performing highly with more than 97% average in the last 7-month.

### Employment Opportunities for Students

The ADU Contact Service Center employs current Abu Dhabi University students in the role of Customer Service Officer. The role involves the provision of course information via phone, email and web contacts. Additional duties include outbound call campaigns, surveys and other administrative tasks as and when needed.

Recruitment usually occurs as per the vacancy and requirement of the Contact Center and the applicants most suitable for this position will be first or second year students who are motivated, hard working, proficient with computers and can demonstrate a pleasant phone manner. Prior call center and customer service experience is desirable, but most importantly, applicants must demonstrate proven ability to function effectively within a team environment.

Successful applicants will receive extensive training in



customer service skills, systems use, and the relevant product knowledge required. A Buddy Program also provides new staff with the opportunity to gain confidence in their skills and knowledge before taking phone calls.

Available positions are advertised on Careers website.

## Environmental Health and Safety

ADU is committed to strong programs of accident and injury prevention and to complying with all environmental, health and safety laws and regulations. Good health and safety practices are the responsibility of each faculty member, staff member, student and visitors to the university.

Line responsibility for good health and safety practice begins with each person in the campus, the supervisor in the workplace, laboratory or classroom and all levels of management. In academic areas, supervisors include the lab instructors, class instructors and faculty, or others having direct supervisory authority. Academic levels of management are the department chairperson or Deans and the Provost. Administrative levels of management include mid-management, Directors, and Vice Chancellor. Final responsibility for Environment, health and safety policy and programs rests with the Chancellor of the University.

### Scope

Abu Dhabi University makes all reasonable efforts to:

- Ensure that all used equipment, substances and work systems used are suitable for their intended purposes and take all practical steps to meet safety requirements;
- Protect the health and safety of Abu Dhabi University faculty, staff, students and visitors and Contractors who are present in the university campuses;

- Comply with all applicable UAE, Abu Dhabi laws, and legislations and associated codes of practice;
- Provide safe workplaces - academic, research, and administrative - for faculty, staff and students;
- Provide information to faculty, staff, and students about health and safety hazards;
- Identify and correct health and safety hazards and encourage faculty, staff and students to report hazards;
- Provide information and safeguards for those on campuses and in the surrounding community regarding environmental hazards arising from operations at Abu Dhabi University;
- Ensure proper storage, segregation and disposal of the generated waste according to the UAE Environmental regulation.

The Environmental Health & Safety (EH&S) Committee was established in Abu Dhabi University with the responsibility of recommending University-wide health and safety policies; ensuring overall institutional compliance with policies, statutes, and regulations; monitoring the effectiveness of the EH&S programs; identifying the risk at the workplace and providing central health and safety services to all areas of the University.

For EH&S and security related matters, you may contact the following numbers: 02-5015860, 02-5015977 and 02-5015236.





# COURSE RELATED INFORMATION

## Grading System and Scale

Course grades will be based upon a combination of examinations, class participation, quizzes/tests, projects and homework assignments. Students receive a preliminary assessment of the course grade after mid-semester tests, and a final evaluation at the end of the semester. Abu Dhabi University undergraduate students will be assigned final grades for their academic course work according to the following scale:

| Grade          | Grade Point | Percentage   | Meaning of the Grade                                    |
|----------------|-------------|--------------|---|
| A              | 4.00        | 90-100       | Excellent   |
| B+             | 3.50        | 85-89        | Very Good   |
| B              | 3.00        | 80-84        | Very Good   |
| C+             | 2.50        | 75-79        | Good  |
| C              | 2.00        | 70-74        | Good  |
| D+             | 1.50        | 65-69        | Satisfactory  |
| D              | 1.00        | 60-64        | Satisfactory  |
| F              | 0.00        | Less than 60 | Fail  |
| P (credit)     | N/A         | N/A          | Pass  |
| P (non-credit) | N/A         | N/A          | Pass  |
| I              | N/A         | N/A          | Assigned for Incomplete course work                     |
| IP             | N/A         | N/A          | In Progress   |
| T              | N/A         | N/A          | Transferred Course                                      |
| W              | N/A         | N/A          | Withdrawal from a Course                                |
| WA             | N/A         | N/A          | Withdrawal from a Course due to exceeding Absence Limit |
| H              | N/A         | N/A          | Final grade on hold                                     |



## Undergraduate Grade Definition

While composing grade criteria, faculty members will seriously consider and incorporate as appropriate, the official university grade definition guidelines below:

|   |
|---|
| <b>A</b>  |
| Excellent Mastery of Course Material  |
| <b>B+</b>   |
| Very Good Mastery of Course Material  |
| <b>B</b>  |
| Very Good Mastery of Course Material  |
| <b>C+, C</b>  |
| Good Mastery of Course Material   |
| <b>D+, D</b>  |
| Satisfactory Performance in the Course  |
| <b>F</b>  |
| Unacceptable Performance in the Course (Failure)  |
| <b>P (credit)</b>   |
| Satisfactory Completion of Credit<br>Undergraduate Project or Internship  |
| <b>P (non-credit)</b>   |
| Satisfactory completion of non-credit ELI or Undergraduate course/Internship. (This grade is not computed in the student's GPA but determines student's progress towards completion of degree requirements.). |

### I (Incomplete)

An "I" grade is given when the student is unable to complete the course requirements for a reason deemed legitimate by the Office of the Registrar.

Advanced courses may not be taken if the course with an Incomplete grade is a pre-requisite for the advanced course.

The maximum period of time to resolve the "I" grade must not be more than one semester from the time the "I" is given, excluding the summer semester. Failure to resolve the "I" grade within the time specified will result in the conversion of the "I" grade into an "F" grade.

### IP (In Progress)

The "IP" grade is awarded when certain course-related activities, such as internships and projects require a longer time to be completed than the deadline for grade submission. This grade is not computed in the student's GPA but determines student's progress towards completion of degree requirements. The IP grade must be resolved within one month from the time the "IP" is given.

### T (Transferred Course)

The "T" grade reflects a transfer of credit for an equivalent undergraduate course taken at another accredited academic institution with a minimum grade of "C".

### W (Withdrawal from a course)

The "W" grade reflects the student's voluntary Withdrawal before Thursday of the tenth week of the semester. This grade is not computed in the student's GPA but determines student's progress towards completion of degree requirements.

### WA (Withdrawal from a course due to absences)

The "WA" grade reflects the administrative withdrawal of the student from the course for exceeding the absence limit as per ADU Attendance Policy. This grade is not computed in the student's GPA but determines student's progress towards completion of degree requirements.

### H ( Final Grade on Hold )

Final grade on Hold (This grade is given to a student until pending administrative issues are resolved.)





## Grade Change

Two events may result in a change of the final grade of students:

1. A grade appeal request by the student (after an “informal” discussion with the faculty member); and
2. An error in calculating the student’s final grade is discovered.

The time limit for changing a grade is one semester from the date the grades are posted by the Registrar.

## Semester Grade Point Average

A student’s semester grade point average (SGPA) is obtained by dividing the total quality points earned in a given semester by the total number of credit hours taken in that semester. Quality points of any course are calculated by multiplying the number of credit hours of that course by the earned grade points of the same course.

Courses with grades of “P”, “I”, “IP”, “T”, “W”, “WA”, and “H” are excluded from computing the SGPA. The semester credit hours for which a grade of “I”, “IP” or “H” is assigned are excluded from computing the grade-point average until it is replaced by a letter grade.

## Cumulative Grade Point Average

A student’s cumulative grade point average (CGPA) indicates a student’s achievement in all courses taken at ADU until the end of a given semester. The CGPA is obtained by dividing the total quality points earned from

the initial enrollment at ADU to the end of the given semester by the total number of credit hours taken until the end of that semester. Courses with grades “P”, “I”, “IP”, “W”, “WA”, and “H” are excluded from computing the CGPA. Courses transferred from another college/university will appear on the student’s transcript with a “T” grade and will be excluded from computing the CGPA.

## Mid-Semester Advisory Grades

By the end of the ninth week of classes, during each academic semester, mid-semester advisory grades will be submitted by instructors of all undergraduate courses. Valid mid-semester advisory grade entries will include A, B+, B, C+, C, D+, D, F, and P. Grade reports for all students will be made available to the students and the advisors of the students. The Learning Support Center will use the mid-semester advisory grades to identify “at-risk” students and take remedial action.

## Transcripts

Transcripts are the chronological, permanent and the most complete student educational record. Incompletes, failures and withdrawals; academic standing and all academic awards; majors, minors and concentrations are recorded thereon.

Students who have not settled their financial tuition/fees or other obligations to ADU will not be issued transcripts.





## Graduation with Honors

ADU grants Latin honors to eligible students graduating from undergraduate programs. The eligibility requirement is to achieve a CGPA of 3.5 or above.

The titles of the Latin honors and the corresponding CGPA's are as follows:

Cum laude: 3.50-3.69

Magna cum laude: 3.70-3.89

Summa cum laude: 3.90-4.00

Honors are listed in the student transcript and the diploma certificate.

## Dean's List

ADU is committed to recognizing academic excellence by publishing the Dean's List at the beginning of every regular semester according to the Semester Grade Point Average (SGPA) attained by outstanding students. Any student who is registered with full-time status and achieves an SGPA of 3.50 or above, with no Incompletes (I) in that given semester, no disciplinary action and/or no academic integrity violation will be eligible for the Dean's List. Students on the Dean's List will receive a recognition letter from the Provost.

## Grade Appeals

Students have the right to appeal their final grade in a course during the period announced by the Office of the Registrar. The following is the Grade Appeal Procedure to be followed by the students:

### Consultation:

In an attempt to resolve a grade appeal, the student must first meet with the following individuals, in the order listed, to discuss the matter:

1. Faculty member teaching the course;
2. Chairperson of the department in which the course is offered; and
3. Dean of the college in which the course is offered.

The consultation(s) should take place as soon as possible after the final grade or the relevant component grade is released. It is assumed that the department chairpersons and the deans will make every effort to resolve the grade appeal.

In the case of a final course grade appeal, if the matter is not resolved, the student may proceed to the Committee Grade Appeal process as soon as possible but no later than the start of the early registration period in the following regular semester.

### Committee Grade Appeal Process:

The student may initiate a Committee Appeal Process by filing the Grade Appeal Form with the Office of the Registrar. The form must be submitted prior to the beginning of the early registration period in the regular semester subsequent to the semester in which the grade in question was given.

The Office of the Registrar will forward the form to the college dean, who will refer the Grade Appeal Form to a committee of faculty selected by the dean. The committee will review the student's performance in the course. This review may include interviews with the student and the faculty member teaching the course. The chair of the committee will forward the grade recommendation to the college dean for final approval. There are three possible outcomes to an individual grade appeal:

1. The original grade is upheld;
2. The grade is lowered relative to the original; and
3. The grade is raised relative to the original.

The decision of the dean is final. The Grade Appeal Form will be returned to the Office of the Registrar to inform the student of the decision.

The entire process should be concluded before the end of the semester during which the appeal form was submitted.

## Double Major

Any undergraduate student may declare and complete two undergraduate majors, with the understanding that the student receives one baccalaureate degree upon graduation. In situations where a student completes majors under two different degrees (e.g., B.A. and B.S.), the student must declare the degree he or she wishes to receive upon graduation at the time when the second major is declared. Students who wish to complete two majors must first satisfy the entry requirements of both majors and then must take all the courses required for both majors. The total number of credits a student must take to complete the two majors can be no less than 30 credits above the number of credit hours in the major with the greater number of required credits.

## Second Baccalaureate Degree

This stipulates the requirements for students to earn a second baccalaureate degree at Abu Dhabi University.

1. First Bachelor Degree Earned at Abu Dhabi University.
  - a. First and Second Baccalaureate Degrees earned at the same Abu Dhabi University College.





Students who completed their first baccalaureate degree at one of the academic colleges of Abu Dhabi University and wish to earn another baccalaureate from the same Abu Dhabi University college must complete at least twenty four (24) additional credits at Abu Dhabi University for the second baccalaureate degree, after the completion of the first baccalaureate degree. Students must complete all degree requirements of the second degree. The application by an Abu Dhabi University baccalaureate degree holder for admission into a second baccalaureate degree program can be made only after the Office of the Registrar has certified that the student has completed all of the requirements for the first baccalaureate degree (i.e. an Abu Dhabi University student cannot be working on two baccalaureate degrees at one time).

b. First and Second Baccalaureate Degrees Earned At Different Abu Dhabi University Colleges

There are no specific requirements with regard to the required number of credits an Abu Dhabi University baccalaureate graduate must complete in order to earn a second Abu Dhabi University baccalaureate degree when the second baccalaureate degree is from a different Abu Dhabi University academic college than the first Abu Dhabi University baccalaureate degree. The student must complete all of the degree requirements for the second baccalaureate degree from Abu Dhabi University, as per the degree requirements in effect at the time acceptance to the second Abu Dhabi University baccalaureate degree is given. The application by an Abu Dhabi University baccalaureate degree holder for admission into a second baccalaureate degree program can be made only after the Office of the Registrar has certified that the student has completed all of the requirements for the first baccalaureate degree (i.e. an Abu Dhabi University student cannot be working on two baccalaureate degrees at one time).

2. First Bachelor Degree Earned At Different Academic Institution

Students who earned their first baccalaureate degree from another licensed institution of higher education must complete at least thirty (30) credit hours at Abu Dhabi University and all of the degree requirements in effect at the time of admission.

In all cases, if a course is required in both baccalaureate degrees, it will not be counted as part of the credit hours required to earn a second baccalaureate degree. Furthermore, courses used to meet program requirements are subject to review and approval by the college. The student may be required to repeat courses taken earlier that no longer apply towards the requirements of the second baccalaureate degree.

## Student Classification

Students are classified in terms of their progression towards their Bachelor Degree according to the number of credit hours passed:

### College Of Arts (CAS)

|                          |         |              |
|--------------------------|---------|--------------|
| • First Year/Freshmen    | 00 - 29 | credit hours |
| • Second Year/Sophomores | 30 - 59 | credit hours |
| • Third Year/Juniors     | 60 - 89 | credit hours |
| • Final Year/Seniors     | 90+     | credit hours |

### College Of Business (COB)

|                          |         |              |
|--------------------------|---------|--------------|
| • First Year/Freshmen    | 00 - 30 | credit hours |
| • Second Year/Sophomores | 31 - 60 | credit hours |
| • Third Year/Juniors     | 61 - 90 | credit hours |
| • Final Year/Seniors     | 91+     | credit hours |

### College of Engineering (COE)

#### B of Architecture

|               |          |              |
|---------------|----------|--------------|
| • First Year  | 00 - 34  | credit hours |
| • Second Year | 35 - 69  | credit hours |
| • Third Year  | 70 - 102 | credit hours |
| • Fourth Year | 103 -132 | credit hours |
| • Fifth Year  | 133+     | credit hours |

#### B. S. Aviation

|                          |         |              |
|--------------------------|---------|--------------|
| • First Year/Freshmen    | 00 - 42 | credit hours |
| • Second Year/Sophomores | 43 - 84 | credit hours |
| • Third Year/Juniors     | 85 -113 | credit hours |
| • Final Year/Seniors     | 114+    | credit hours |

#### B.S. in Chemical Engineering

|                          |          |              |
|--------------------------|----------|--------------|
| • First Year/Freshmen    | 00 - 33  | credit hours |
| • Second Year/Sophomores | 34 - 65  | credit hours |
| • Third Year/Juniors     | 66 - 104 | credit hours |
| • Final Year/Seniors     | 105+     | credit hours |

#### BSc Electrical Engineering

|                          |         |              |
|--------------------------|---------|--------------|
| • First Year/Freshmen    | 00 - 32 | credit hours |
| • Second Year/Sophomores | 33 - 66 | credit hours |
| • Third Year/Juniors     | 67 -105 | credit hours |
| • Final Year/Seniors     | 106+    | credit hours |



### **BSc Mechanical Engineering**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 34 credit hours |
| • Second Year/Sophomores | 35 - 68 credit hours |
| • Third Year/Juniors     | 69 -104 credit hours |
| • Final Year/Seniors     | 105+ credit hours    |

### **BSc Civil Engineering**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 35 credit hours |
| • Second Year/Sophomores | 36 - 72 credit hours |
| • Third Year/Juniors     | 73 -111 credit hours |
| • Final Year/Seniors     | 112+ credit hours    |

### **BSc Computer Engineering**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 32 credit hours |
| • Second Year/Sophomores | 33 - 65 credit hours |
| • Third Year/Juniors     | 66 -104 credit hours |
| • Final Year/Seniors     | 105+ credit hours    |

### **BSc Interior Design**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 34 credit hours |
| • Second Year/Sophomores | 35 - 69 credit hours |
| • Third Year/Juniors     | 70 -102 credit hours |
| • Final Year/Seniors     | 103+ credit hours    |

### **BSc Information Technology**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 31 credit hours |
| • Second Year/Sophomores | 32 - 60 credit hours |
| • Third Year/Juniors     | 61 - 96 credit hours |
| • Final Year/Seniors     | 97+ credit hours     |

### **College Of Law (COL)**

|                          |                      |
|--------------------------|----------------------|
| • First Year/Freshmen    | 00 - 29 credit hours |
| • Second Year/Sophomores | 30 - 59 credit hours |
| • Third Year/Juniors     | 60 - 89 credit hours |
| • Final Year/Seniors     | 90+ credit hours     |

All transfer students will be classified on the same basis according to the number of credit hours they have earned.

## **Credit Hours**

Courses are calculated in credit hours. Each course carries a certain number of credit hours that are awarded after the

successful completion of that course.

Students admitted to a Bachelors Degree must complete the required number of credit hours of courses taught according to a program approved by the College Council.

Students must successfully pass any remedial or other courses during the first academic year. These pre-degree courses, including the ELI Levels, are not counted towards the GPA, although they appear on student's transcripts.

One semester credit hour of lecture/tutorial is defined as 60 minutes per week for 13 weeks. One credit hour of laboratory is defined as 120 minutes per week for 13 weeks. Customarily, weekly quizzes and mid-term examinations are included in the 13 week semester, with final examinations occurring in a special 14<sup>th</sup> week set aside just for these exams.

Some courses may be offered in a time-shortened period, often called a term, such as a summer term or Winter term, which nonetheless offers class contact time and out-of-class assignments equivalent to a semester course.

## **Student Record Confidentiality**

The Student record is defined as any paper-base or online documentation that contains information directly related to the student, such as academic evaluations, transcripts, test scores and other academic records, counseling and advising records, disciplinary records, and financial aid records. Academic and non-academic student information is confidential and is protected against release to anyone except the student, the guardian, the sponsor and/or otherwise specified by the Student Release of Information Form.

## **Retention of Final Examinations**

Faculty are encouraged to make graded final examinations or papers available to students at the end of the semester. A copy of each student's graded final examination/paper should be retained by the college for a period of one semester.

## **Student Assessment and Late Coursework Guidelines**

ADU believes that quality assessment should both document student success (assessment OF learning) and help students improve and learn better through provision of timely feedback on their performance (assessment FOR learning) and how to improve it. Moreover, faculty should develop assessment methods and tasks that serve both purposes of assessments and target knowledge mastery as well as higher order thinking skills and abilities. In sum, excellence in assessment is integral to achieving excellence in teaching and learning, which is in harmony with ADU vision and mission.



## **Definition**

Assessment is the gathering of evidence of student learning and achievement to guide instructional decisions and aid student learning.

## **Purposes of Assessment**

Assessment serves multiple purposes. It provides feedback to the two main immediate users of assessment information or results: students and faculty.

- Students receive relevant feedback on their performance and how to improve it, and instructors receive feedback on their strategies of instructional delivery. Moreover, assessment results help students to reflect on their learning experience, to adjust their learning strategies and skills, and to identify where they need help.
- Faculty receive feedback which helps them to reflect on their instructional strategies, to make necessary adjustments, to track student progress, and to identify which students need extra help.

## **Assessment Types**

There are three major types of assessment: diagnostic, summative and formative.

- Diagnostic assessment is usually conducted at the beginning of the semester and is used to identify student strengths and weaknesses. It provides information that can help both students and instructors to build on the strengths and remedy the weaknesses.
- Summative assessment, on the other hand, is usually carried out at the end of the semester and is used to determine the extent to which the students have achieved the course learning objectives or outcomes (grading function). It helps instructors make decisions and judgments for purposes of student promotion and/or graduation. Final exams and projects, among other forms, serve this purpose.
- Formative assessment, in contrast to summative assessment, is conducted throughout the semester and is used to enhance the learning and teaching process. Information provided by this ongoing assessment helps students improve their study skills, learning strategies and achievement, thus support ongoing student progress, and helps instructors diagnose and respond to student needs (development and improvement function).

## **Assessment Methods**

Accurate and sound assessment requires that a variety of appropriate assessment methods be used and aligned with the intended learning outcomes. There are generally two main assessment methods: traditional and alternative/authentic. The former includes tools such as paper-and-

pencil tests and exams while the latter includes tools similar to performance tasks, essays, presentations, projects, practical work, case studies, reports, portfolios. The choice among these tools depends on the discipline, the nature of the individual course as well as the intended learning outcomes.

The following are the assessment tools that ADU faculty members can choose from in assessing their student performance and achievement:

- Tests and exams
- Assignments/homework
- Projects
- Reports
- Presentations
- Essays
- Papers
- Case studies
- Exhibitions
- Portfolios
- Self-assessment
- Capstone course or graduation project
- Performance through observing and judging

## **Roles and Responsibilities**

The task of achieving excellence in assessment requires collaboration among four parties: the Manager of the Center for Faculty Development, College Deans, Department Chairs/Program Directors, Faculty and Students.

- The role of the Director of the Center for Faculty Development is to plan faculty development activities on student assessment, such as workshops and seminars.
- The role of the College Dean is
  - to ensure that colleges have their own discipline-specific assessment guidelines and procedures that are consistent with ADU Student Assessment guidelines;
  - to ensure that these guidelines and procedures are periodically reviewed; and
  - to ensure that departments use assessment results for program improvement.
- The role of the department chair/program director/coordinator is:



- to collaborate with faculty members in developing assessment guidelines and procedures that are appropriate to their major fields;
- to ensure that faculty members implement these guidelines and procedures;
- to ensure that faculty members inform students of assessment criteria;
- to review assessment methods and criteria; and
- to ensure that assessment results are used for continuous improvement of learning and instruction

- The role of faculty members is:

- to inform students at the beginning of the semester of the assessment methods and criteria that will be used in assessing their performance and achievement;
- to provide students with feedback on their performance and how it can be improved.

Effective feedback should be provided in a timely and constructive manner and includes both comments and grades.

### **Late Submission Coursework**

1. The due date for each class assignment or project should be clearly indicated to the students in the course outline.

Assignments received more than two weeks after the due date should not be accepted.

2. Submission dates may be extended in exceptional circumstances. The College or Instructor may use their discretion in approving such requests. Submission of the coursework should not normally exceed the last day of classes.

3. Assignments or projects can be turned in any time up to two weeks after the due date will be graded, but a penalty may be applied.

a. Assignments submitted at any time up to one week after the due date should have the grade awarded reduced by 2% for each calendar day the assignment is late.

b. Assignments submitted more than one week but not more than two weeks after the due date should have the grade reduced by 5% for each calendar day the assignment is late.

## **Student Archives**

The final course result at the end of the semester will remain in Abu Dhabi University's records in perpetuity. The Office of the Registrar will be responsible for maintaining appropriate storage. Deans, Chairs of Departments and faculty will have read-only access to these records.

Back up files will be updated regularly, with another set of files stored in an external and secure location in fire proof cabinets.

## **Academic Standing**

If the student's CGPA drops below 2.0 after completing at least 30 credit hours, he/she will be placed on academic probation in the following semesters until the student's CGPA improves to 2.0 or higher. As long as the student remains on probation, he or she will be limited to 12 credit hours in course credits per semester. Any student who is under academic probation is allowed to change major only once.

If at the end of the Spring semester in the following academic year the student's CGPA remains below 2.0, the student will be dismissed from the university and will become eligible to apply for re-admission to the university as specified in the re-admission policy.

## **Student Attendance Policy**

When the student's absence in a given course reaches or exceeds 30%, he/she will be withdrawn from the course. Absences will not be waived under any circumstances.

Students will be considered absent if they do not arrive on time for a lesson. Taking attendance will start on the first day of classes and will continue until the last day of classes in the semester.

Warnings will be posted on the Abu Dhabi University Student Portal when a student's absence reaches 10% and 20%. At the 30% absence limit, a withdrawal due to absence (WA) will be posted on the Abu Dhabi University Student Portal.

The Registrar's Office will accept excuses only from students missing an exam/major assignment due to absence. Students will be permitted to take a make-up exam, if its weight is at least 10% of the course total mark, upon approval of a legitimate excuse.

Evidence for any of the following legitimate excuses will be submitted to the Office of the Registrar on the first day of return to class:

1. Hospitalization,
2. Contagious Disease,



3. Death of an immediate family member (parent, grandparent, sibling, spouse, child),
4. Car Accident,
5. Special assignments (for working students) with prior written approval from the Office of the Registrar,
6. Al haj, Al Umra is not a valid excuse for students to be absent.

In the case of excused absence for a final exam, the student has to apply for an Incomplete (I) grade at the Office of the Registrar within 48 hours of the exam.

## Examination Rules and Regulations

1. Final Examinations for all students will be held as stipulated in the Academic Calendar;
2. Only students registered for a particular course will be admitted into the room for the respective final examination. Students who have exceeded the 30% absence rule, or who have not paid their tuition/fees, or who have been suspended or dismissed from the university will not be allowed to sit for their final examinations;
3. Faculty may examine students using written, practical, or oral tests, by continuous assessment, or by any combination of these;
4. Students who wish to appeal against examination result(s) must follow the grade appeal procedure at the Office of the Registrar;
5. The week before the final exam shall be used for feedback for students to reflect on what they have learned during the semester;
6. If a student has missed an exam for any reason (other than medical reasons as already noted),

she/he may appeal to retake the test or exam if extreme justifying circumstances warrant it. A written appeal must describe the circumstances which caused the student to miss the examination, and supporting documentation should be provided where appropriate. Copies of the appeal must be sent to the Office of the Registrar for review and approval.

## Rules Governing Final Examinations

1. No faculty may hold a final examination except during the period in which final examinations are scheduled. The final examination times will be posted by the Registrar and will take place immediately following the thirteenth week of the Fall and Spring semesters. The Summer semester final examination schedule

will be coordinated within the Summer semester and students will be notified of the given date in advance.

2. No student may be required to take more than two final examinations on any calendar day during the period in which final examinations are scheduled. If more than two are scheduled, Dean of the college will permit a postponement allowing students to sit for such an examination at a later date.
3. Examinations that are postponed because more than two examinations are scheduled on the same day, or because an examination conflicts with another examination, may be taken at another time during the final examination period if the faculty member and student can agree on a time.
4. Laboratory work and oral examinations which form part of a final exam are allowed to be taken in the week preceding the period set for the final examinations, but all of the university-required written final examinations must be given during the final exam period.
5. No faculty may change the time, date or location of a final exam without permission from the Registrar.
6. No faculty member may increase the time allowed for a final exam beyond the scheduled two hours without permission from the respective Dean and Registrar

## Graduation Requirements

Undergraduate students must successfully complete all course requirements, as well as other academic activities assigned to their specialized study plan. The CGPA of each undergraduate student must be at least 2.0 out of 4.0.

Students must complete the Application for Graduation Form online no later than the end of the second week of the semester (first week in the case of Winter/Summer semester graduation) in order to be eligible for graduation at the end of that semester.

## Applying for Graduation

Undergraduate students graduating from Abu Dhabi University must officially file an application online for graduation at the beginning of the semester in which they plan to graduate. The Office of the Registrar does not initiate the diploma preparation until a student officially files for graduation.

### NOTE:

Students must complete all requirements toward their degree in the semester they intend to graduate, or their graduation application will be disapproved.

Students wishing to graduate in the current semester, who



were disapproved for graduation in any past semester, must re-file for graduation.

Students filing for graduation prior to the deadline may submit a graduation application request online through their PeopleSoft Student Center.

Applying for graduation on time will help to include your name in the commencement program; if you plan to participate in the ceremony, apply on time.

### Deadline to file for graduation:

Deadline for applying for graduation is published in the student calendar available in the Abu Dhabi University website.

For any clarifications needed please contact the Office of the Registrar.

### How to apply for graduation online?

- Go to [www.adu.ac.ae](http://www.adu.ac.ae) to apply.
- Login in PeopleSoft using your username and password.
- Click on self service.
- Click on degree progress/graduation.
- Click on apply for graduation.
- Click on the program for which you want to apply for graduation.
- Select the expected graduation term from the drop down list.
- Read carefully any comments in the Graduation Instruction section. Any information to be conveyed to the expected graduates from the Office of the Registrar would be displayed on the graduation instruction section.

## Graduation Clearance

Graduating students will be required to get clearance from certain departments of the University. Below is the guideline to initiate the online graduation clearance:

1. Login to PeopleSoft-SIS and navigate to Self-Service—Degree Progress/Graduation—Graduation Clearance Requests.
2. Select career and graduation term on following page and click Submit a New Request.
3. A Request page will appear with your personal and academic details. In this page, you can do the following: edit your UAE Emirates ID, Marital status and Passport

Number; verify or update your contact number and email address; select your current Emirate of residence; select appropriate response to questions about employment and give any feedbacks or comments about your data.

4. On the same page, attach a copy of your Passport, Emirates ID and your updated CV.
5. Click Submit to initiate your request. On successful submission of request, you will receive an auto-generated email notification with request number.

## Awarding Degrees and Diplomas

1. Abu Dhabi University will award undergraduate degrees upon the recommendation of Abu Dhabi University's Academic Council and University Council to students who have fulfilled the requirements of an approved program of study.
2. Abu Dhabi University will award Bachelor Degrees when a candidate has successfully completed a program approved by his/her College.
3. Given that the official language of Abu Dhabi University is English, the diploma certificates for an academic award will generally be in English. The documents show the full name of the recipient, the title of the award, and the title of the study program concerned.
4. The diploma certificate bears the official seal of Abu Dhabi University, as well as the signatures of the Chairman and the Chancellor of the University.
5. Abu Dhabi University may withhold the conferral of an academic degree or diploma to a student who has outstanding payments due to Abu Dhabi University, who has unreturned materials on loan from the Abu Dhabi University Library, or who has any other outstanding obligations to Abu Dhabi University.

## Academic Advising: Mission and Objective

The Academic Advising Office was established in 2011 as one of Abu Dhabi University's strategic initiatives to support students in achieving their potential and academic goals.

The mission of Abu Dhabi University's Academic Advising Office is to guide and support students during their academic journey to ensure they succeed in achieving their goals and career plans. This is done through regular and consistent communication with each student by forming a partnership with faculty mentors and academic advisors to create and maintain a solid foundation of engaged learning, proactive participation, and a strong sense of personal responsibility.



## **Main Objectives of the Academic Advising**

### **Office:**

1. Develop academic programs that are consistent with students' goals and actual strengths to support them in the challenge of making plans and taking decisions that are relevant to their interests and appropriate to their level.
2. Advise and assist students with respect to ADU policies and procedures.
3. Provide accurate and timely information regarding university requirements, policies, and procedures.
4. Guide and motivate students in developing themselves and taking more responsibility for planning their own academic career.
5. Act as a focal point between the students and the University in order to ensure that the students fulfill all their academic requirements.

### **Responsibilities of Academic Advisors:**

1. Advise and assist students with respect to ADU courses and programs.
2. Assist students with registration issues and offer guidance with course selection.
3. Identify options for students to satisfy specific degree requirements, evaluate and make recommendations on requests, and make adjustments to the student's study plan.
4. Evaluate the students' level of development and support their growth by assessing the key factors and generating the required reports when necessary.

### **The Role of the Faculty Mentor:**

Here in Abu Dhabi University, we are deeply committed to helping you succeed in college.

The faculty mentoring initiative is one such endeavor. It is designed to make your transition to college a smooth one. In the beginning of your freshman year, a faculty mentor will be assigned to you from University College. In your sophomore year, you will be assigned to a faculty mentor from your major.

### **The Faculty Mentor will:**

1. Provide information about degree programs to aid students in making informed decisions regarding their majors and minors.
2. Deliver general guidance related to the student's field of interest.
3. Assist students with their choices of majors and minors.
4. Mentor students throughout their academic journey

in ADU.

5. Provide comprehensive feedback regarding students' performance.
6. Meet the students with academic support to monitor their progress and recommend the support needed for their academic development.

### **Responsibilities of Students:**

Successful advising is subject to a number of factors; all of which contribute to the overall success of a student. It is dependent on the shared understanding of, and commitment to, the advising process by students, advisors, and the university. Students will be informed of their academic responsibilities in the advising process.

#### **The responsibilities of students include:**

1. Recognizing the importance of the relationship with their advisors.
2. Getting the necessary information needed to understand degree requirements in their respective degree program.
3. Seeking the assistance of advisors/faculty mentors or other university resources on a regular basis.
4. Keeping their assigned advisors/faculty mentors informed of any academic difficulty and challenges they may be facing.
5. Taking full responsibility of their decisions in accordance with the best advice and information given.

### **Advising student with Academic Support**

#### **Notice:**

Prior to the beginning of the registration period for each regular semester, an advising hold is placed on the record of each enrolled undergraduate student who has completed 16 credit hours and above with a cumulative GPA below 2.5. The advising hold prevents a student from registering for courses in the subsequent semester or term. The advising hold for any student can only be removed by the student's academic advisor.

In order to be eligible for removal of an advising hold, each relevant student must make an appointment for an advising session with his or her academic advisor through the University's electronic advising system and must attend the advising session. The student should prepare a proposed set of courses for the relevant semester and/or term prior to the advising session.

The student's academic advisor must record the substance of the advising session in the University's electronic advising system, including the agreed upon set(s) of courses the





student will take in the subsequent semester and/or term. The advisor will remove the advising hold in view of the student at the end of the advising session.

## ***Advising Tools, Purpose and Design***

A variety of advising tools are provided to promote efficient and effective communication between students and advisors.

### **1. Academic Advising Website**

- a. Advising webpage for each college.
- b. Registration guidelines.
- c. The study plan should be more detailed and specific.
- d. Inclusion of the Advisor Handbook ( soft copy);
- e. Information about the Professional Advisors, and their office timings.

### **2. Student Online Account**

- a. Recommended Plan of Study - standard plan for every student of that particular major.
- b. Plan of Study In-Progress- includes the courses that have been completed in a particular semester until date and GPA.
- c. The assigned Professional Advisor details indicating instructor's name, qualifications, office extension, office room number/address, office hours, e-mail ID.
- d. Link to access a pdf file of the student handbook.
- e. A list of minors and electives being offered.
- f. The system should be able to automatically generate the student's final exam schedule considering the courses taken in that particular semester rather than providing the complete list of all courses and all the exam dates.
- g. The system should include a step-by-step tutorial for all students to make them familiar with the registration and advising processes.

### **3. Academic Advising Manuals**

- a. Introduction to Academic Advising;
- b. Registration guidelines;
- c. Placement tests;
- d. Information of the respective college;

- e. Courses offered;
- f. A detailed Study Plan according to each discipline;
- g. Information about the Professional Advisors, and their office timings;
- h. Campus Academic Support services and Resources.

### **4. Online Academic Advising/Faculty Mentoring Forms**

a. Academic Advising forms - The one to one advising meetings between the academic advisors and students are recorded through on line e-advising forms. A system generated report which summarizes the outcomes of the meetings is emailed to the advisor and student advisee's ADU mail accounts.

b. Faculty Mentoring forms - The one to one mentoring meetings between the faculty and the students' mentees are recorded through the on line e-mentoring forms. A system generated report which summarizes the outcomes of the meetings is emailed to the faculty mentor and student mentee's ADU mail accounts.

### **5. Interactive CDs, DVDs or Minimal PDFs (for newly enrolled students)**

- a. Detailed Study Plan for each discipline;
- b. General Education planner;

### **6. Power Point Slides (for orientation sessions)**

- a. General information about Abu Dhabi University;
- b. Information about UC, CAS, COBA, COE;
- c. Courses offered in each college; and
- d. Detailed Study Plan for each discipline.











# THE OFFICE OF RESEARCH AND SPONSORED PROGRAMS

## I. Research Objectives:

Abu Dhabi University (ADU) is a research-active university, playing a distinctive role in the development and application of research-informed knowledge and innovation in the Gulf region. ADU is committed to innovative research that is world class in terms of originality, significance and potential impact.

ADU recognizes that its ability to compete in an increasingly competitive higher education market will depend largely on its academic reputation, ranking and on gaining quality accreditation. Research is absolutely key to all three of these areas. High quality ranking, academic reputation and accreditation cannot be achieved without strong scholarship and research.

Research is highlighted as one of the core aspects in ADU's Vision 2022 for providing a world-class learning experience. In its 2017-22 Strategic Plan, ADU articulates clearly its commitment to research and innovation in line with Abu Dhabi Vision 2030.

Thus, ADU's Strategic Plan prioritizes the research agenda. The principal objectives of ADU's research strategy are:

- Contribute to the socio economic agenda with targeted research and creative solutions
- Promote applied research and innovation

## II. Research Structure:

Research activities at ADU are managed by the Office of Research and Sponsored Programs (ORSP), which is headed by the Director of Research, who reports to the Provost. The ORSP serves as the focal point for all research activities and policies, as well as external and internal communications related to research.

### **The Office of Research and Sponsored Programs**

The Office of Research and Sponsored Programs (ORSP) oversees all research activities at ADU. It provides the overall infrastructure and administers faculty scholarship programs. The ORSP also administers a number of other programs such as Grants & Contracts, Undergraduate Research (specifically, student-faculty collaboration in conducting research projects) and the annual Undergraduate Research Competition.

### **ORSP Services**

The ORSP provides many services that focus on increasing research productivity among faculty and students, including:

- Driving and implementing the research strategy at Abu Dhabi University
- Managing and administering all aspects of university-funded initiatives to support research including the four faculty research grants
- Managing and facilitation student-centered research initiatives including the Undergraduate Research Fund and student research scholarship agreement
- Promoting and managing Intellectual Property agreements and facilitating filing and prosecution of patent applications by ADU researchers



- Organizing, conducting and managing the GCC-wide annual Undergraduate Research Competition
- Administering faculty consultancy agreements with external organizations including industrial partners
- Spearheading research capacity building through developing training programs for faculty and students and supporting professional development through research conference attendance
- Monitoring and tracking the research productivity at Abu Dhabi University
- Promoting, supervising and managing all external research funding and coordinating with external granting agencies
- Collecting and providing research reports for all internal and external stakeholders, including data for internal annual reports, accreditation agencies, and the Ministry of Education
- Ensuring adherence to regulations of government, the university and other funding agencies

### III. Research Support for Faculty:

Research initiatives for faculty serve the purpose of strengthening the research culture among faculty at Abu Dhabi University. The faculty research initiatives consist of four funding programs managed by the ORSP:

#### (i) Faculty Research Incentive Grant

The purpose of this grant is to provide seed funding to faculty to conduct applied research pertaining to their area of expertise and to the country as general. It serves as a generic research funding initiative that allows faculty to strengthen their research capabilities. All faculty members at ADU are eligible to apply for this fund.

#### (ii) Teaching & Learning Grant

Students are at the heart of ADU's mission. One of the main goals of ADU's 2022 Vision is to incorporate a holistic learning experience for our student by employing effective teaching and learning methods. The purpose of this initiative is to support this goal through research that informs and improves classroom teaching & learning with direct relevance to ADU environment.

#### (iii) Action Research Grant

This research program has been designed to provide and support service excellence, which serves as a major goal of ADU's 2022 vision. The purpose of this research program is to facilitate and support the key objective of this goal, i.e. to drive process efficiency and effectiveness with 'out of the box' solutions and best practices in ADU. The goal of this grant is to pursue useful and practical research with outcomes that are highly pertinent to issues faced by Abu Dhabi University.

#### (iv) Research Equipment Grant

The purpose of this initiative is to provide an avenue for researchers to acquire top-quality, high-end scientific equipment to support their research that cannot be covered by the limited funding allocated for acquiring such items through other initiatives.



## IV. Research Support for Students:

Research activities by students are supported through the following types of projects that are managed by the ORSP:

### (i) Undergraduate Research Scholarship

This scholarship aims to develop research skills among ADU's top students and to contribute to ADU's commitment toward Abu Dhabi's vision of a knowledge-based economy. The aim of the scholarship is to foster undergraduate research and encourage our undergraduate students to engage in research at early stages of their academic careers. This scholarship is granted to students who submit high-potential research proposals to the ORSP and demonstrate an excellent academic record.

### (ii) Undergraduate Research Competition

ADU's Office of Research annually organizes the Undergraduate Research Competition (URC). This competition aims at encouraging universities in the GCC to promote scientific research among undergraduate students and to make it an integral part of university education, given the significance of scientific research in advancing the country to the top ranks. Participating in this competition provides students with a great opportunity for competitive interaction with students from other universities across the GCC. Additionally, the competition serves to strengthen critical and analytical thinking skills among undergraduate students and to enhance students' confidence in their research abilities, to explore new frontiers in their fields of study and to prepare them for graduate level studies. The competition is the first and the largest such event in the GCC comprising all universities and all major disciplines.







# COLLEGES, INSTITUTES AND PROGRAMS

## English Language Institute (ELI)

The English Language Institute (ELI) of Abu Dhabi University provides excellence in teaching English to university-bound students, bringing them up to a level of proficiency to satisfy the University language requirements for admission to its degree programs.

To this end, the ELI develops and administers comprehensive English language programs supported by the latest teaching materials, most up-to-date educational technology and highly qualified and experienced faculty.

On completion of the ELI program, students will have the language, time management, organizational and analytical skills they need to participate responsibly and successfully in their faculty courses.

### Academic Outcomes

Upon completion of the ELI program, students will be able to perform the following:

#### A. Listening and Speaking

Listen to and understand academic lectures of the type that students will encounter in their university programs; take notes; conduct surveys and interviews; participate in discussions regarding lecture topics and make simple, but clear oral presentations on related issues giving clearly articulated opinions supported by reliable research.

#### B. Reading

Read and understand academic texts of the type that students will encounter in their university programs; identify and extract required information from texts; process and synthesize information relating to research topics; distinguish fact from opinion and become a critical reader; identify purpose, audience and tone of a text.

#### C. Writing

Write well-developed coherent paragraphs and essays of the types required in their university programs; apply proof reading and editing skills; apply referencing conventions and write original pieces without plagiarizing.

#### D. Research Skills

Use library resources; summarize ideas and key points; critically analyze and compare; decide on appropriate formats for presentation both in speaking and writing.



## How can I improve my English?

Having effective English language skills is the key to achieving academic and career success in today's world. The ELI will provide students with the language tools they need to succeed. At the same time, however, students need to make learning English a top priority and take whatever steps necessary to achieve their language goals.

## What is special about the ELI?

The ELI program helps students improve both their communication skills and their academic English skills. As a result, students will not only be able to communicate more effectively in the real world, but they will also be able to participate more actively in any academic study they undertake.

## Which TOEFL or IELTS scores do I need to join Abu Dhabi University?

All students applying for admission to the university will need to meet one of the following English proficiency requirements:

- TOEFL (Test of English as a Foreign Language) with a minimum score of 61 for the iBT (internet based TOEFL).
- IELTS (International English Language Testing System) with an average score of 5.0 in the academic version of the test.

Students who do not have the above mentioned scores will have the opportunity to sit for the Institutional TOEFL (IT TOEFL) test to determine their language proficiency. Only IT TOEFL tests taken on the Abu Dhabi University campus will be accepted. A score of 500+ on the IT TOEFL will grant students direct admission into the University College at Abu Dhabi University.

## Who joins the ELI?

Applicants who fail to obtain the above mentioned TOEFL/IELTS scores are placed in the ELI's intensive English language program.

Students who do not meet the UAE Ministry of Higher Education English language requirements for direct entry into the university, will enter the ELI to gain the necessary language skills through intensive English language courses.

- Students can exit ELI levels by scoring: IELTS 5 average, or IBT TOEFL 61, or IT TOEFL 500 and TWE® test 5 as per the UAE Ministry of Higher Education Requirements.
- The required English standard test scores are subject to change based on the UAE Ministry of Higher Education requirements or Abu Dhabi University recommendations.

Students studying in the levels have the option to take the IELTS test at the Abu Dhabi University IELTS Testing Center.

While studying in the ELI, students can concurrently take selected ADU University College (UC) courses.

## How do I study at the ELI? How can I improve my English?

Since students are studying English in a non-emergent situation, they need to practice their English whenever possible. Therefore, when communicating with Abu Dhabi University faculty and staff members they should use English at all times. ELI students will attend extra and co-curricular activities or events scheduled through the Student Services Department at Abu Dhabi University since the language used in these activities and events is English. This will provide opportunities for students to improve their listening and speaking skills. Furthermore, students are expected to be active learners. This involves attending classes regularly, participating in both class activities and Abu Dhabi University events, studying on a daily basis and submitting assignments on time.



The ELI encourages self-directed learning. Lessons and activities are designed to cater for students' individual needs and foster the skills required for independent learning. Therefore, students are expected to work on developing the four language skills (listening, speaking, reading and writing) outside instructional time through:

- Utilizing the Learning Management System (LMS) online workbooks.
- Utilizing the library which is equipped with different EFL/ESL books.
- Meeting their instructors to discuss their individual needs during office hours and class timings.
- Consolidate what they have learned in class by independently reviewing lesson notes, workbooks and textbooks.

### Which ELI courses should I take?

The table below gives an overview of the courses on offer at the ELI and should give you an idea as to where you will be placed in the program:

| ELI Courses       | IELTS Scores Overall | iBT Scores | ITP Scores | Allowed General Education Courses |
|-------------------|----------------------|------------|------------|-----------------------------------|
| IELTS 2           | 4.5                  | 53 - 60    | 477 - 499  | ARL 100; ISL 100                  |
| IELTS 1           | 4.0                  | 41 - 52    | 437 - 476  | ARL 100; ISL 100                  |
| GENERAL ENGLISH 2 | 3.5                  | 19 - 40    | 347 - 436  | NONE                              |
| GENERAL ENGLISH 1 | 3.0                  | 18 below   | 346 below  | NONE                              |







# COLLEGE OF ARTS AND SCIENCES



## ***Introduction***

The College of Arts and Sciences, one of the four colleges of Abu Dhabi University, offers courses in general education as well as courses leading to the award of Bachelor of Arts degrees in English, Mass Communication (English& Arabic), Persian, Bachelor of Science in Environmental Science And Environmental Health and Safety and Public Health. One of the college's strength in addition to the diverse degrees it offers is its diverse faculty population who come from an array of educational and cultural backgrounds, giving the students an opportunity to learn from their immensely rich professional and personal backgrounds.

## ***College Mission***

The mission of the College of Arts and Sciences is to equip the students with the academic and practical skills needed for success in an ever-changing world, in order to contribute to the local and international cultures. Through its programs of English, Mass Communication, Persian, Environmental Science, Environmental Health and Safety and Public Health, the college academic research practices that inspire and cultivate the research and creative ability of the students. These practical courses cover areas of written and oral communication, methods of scientific analysis and enquiry, and professional ethics, all major competencies required for the workplace. The college's aim is to graduate lifelong learners who can excel in their areas of specialization.

## ***College Objectives***

The main objectives of the College of Arts and Sciences are:

- a. To achieve academic and intellectual leadership by graduating students capable of original research and academic inquiry;



- b. To prepare individuals capability of identifying and analyzing the interrelationships between Arts and Sciences in the new age of information technology;
- c. To develop an awareness of the needs of the learners and the society at large vis-à-vis ethical, professional, and socially responsible practices so as to meet the future needs of the region;
- d. To equip students with the learning and research needs required for developing innovative endeavors and practices; and
- e. To develop hands-on skills and competence in coping with the issues of individual and collective life-long decision-making.

## **General Education**

General Education (GE) department provides a unique general education platform to ensure the successful transition of all new undergraduate students from high school to university life. This is achieved through the delivery of a comprehensive first year educational experience designed to equip the students with the skills essential to their future. The network of support available to the students through the GE courses helps them settle into the University community with ease and to quickly progress in their academic career. The general education curricula provide the students with the comprehensive academic support, tools and techniques required for developing their competencies in written and oral communication, digital literacy, qualitative reasoning, innovative and critical thinking, team building, leadership, ethical reasoning, design thinking, sense making and use of social and emotional intelligence.

### **Mission**

The mission of Department of General Education is to help students successfully transition from high school to university life, by providing them with a comprehensive first year educational experience driven by retention and designed to equip them with essential skills for future success.

### **Learning Outcomes**

The Department of General Education at Abu Dhabi University, aims to prepare the students with fundamental knowledge, skills and competencies that prepare them for their success in their majors, personal and professional lives after graduation.

As the students' progress through the various General Education courses, they will be able to:

1. Communicate effectively and efficiently orally and in writing.
2. Use quantitative reasoning skills.
3. Gather, critically evaluate and analyze information.
4. Demonstrate ethical reasoning and social conscience in personal, social and professional contexts.
5. Demonstrate teamwork skills in diverse settings.
6. Generate and apply innovative ideas and approaches in problem solving and decision making.
7. Demonstrate digital literacy skills.

## **General Education Requirements**

The University College at Abu Dhabi University through the set of General Education courses aims to prepare the students with fundamental knowledge, skill and competency that prepare students for their success in the majors and personal and professional life after graduation.





## General Education Courses

This General Education curriculum is comprised of the following courses:

| Course Code    | Course Title   | Prerequisite(s)   | Credit Hours |
|----------------|--|---|--------------|
| ARL 100 (A)    | Communication Skills in Arabic I                         | No Prerequisite   | 3            |
| ARL 100 E      | Communication Skills in Arabic I (For Non-Arab Speakers) | Arabic as second language in high school or Non-Native Arabic Speaker   | 3            |
| ENG 100 (MA)** | English I for Mass Com in Arabic                         | No Prerequisite   | 3            |
| ENG 100 (A)*   | English Skills (1)                                       | No Prerequisite   | 3            |
| ENG101 (P)     | Introduction to English Academic Writing                 | English Placement Test - EPT  | 3            |
| ENG102 (P)     | English I (Preparatory)                                  | English Placement Test - EPT or Passing Grade in ENG101 (P)   | 3            |
| ENG 200        | English II   | Pre -Requisite: EPT or Passing grade in ENG102 (P) + FWS100(E) or (FWS100(E) as co-requisite if placed in ENG200) | 3            |
| ENG 200 (MA)** | English II   | "C" grade in ENG 100 (MA)   | 3            |
| ENG 200 (A)*   | English Skills (2)                                       | "C" grade in ENG 100 (A)  | 3            |
| FWS 100        | Academic Skills for Success                              | No Prerequisite   | 3            |
| FWS 100 (A)*** | Academic Skills for Success                              | No Prerequisite   | 3            |
| FWS201         | Fundamentals of Life Skills                              | FWS100  | 3            |
| FWS 205        | UAE and GCC Society                                      | ENG102+ FWS100(E ) or FWS100(E) as co-requisite if students enter to ENG200 course directly                       | 3            |
| FWS 205 (A)*** | UAE and GCC Society                                      | No Prerequisite   | 3            |
| FWS 211        | Fundamentals of Emotional Intelligence                   | ENG102+ FWS100(E ) or FWS100(E) as co-requisite if students enter to ENG200 course directly                       | 3            |
| FWS 211 (A)*** | Fundamentals of Emotional Intelligence                   | FWS 100 (A)   | 3            |
| FWS 301        | Developing Future Leaders                                | ENG200 + Completion of minimum 45 credit hours  | 3            |
| FWS 301 (A)*** | Developing Future Leaders                                | FWS 100 (A) + Completion of 45 credit hours   | 3            |
| FWS 305        | Technical Communications for Workplace                   | ENG 200 + Completion of minimum 45 credit hours   | 3            |
| FWS 310        | Fundamentals of Innovation and Entrepreneurship          | ENG 200 + Completion of minimum 60 credit hours   | 3            |
| FWS 310 (A)*** | Fundamentals of Innovation and Entrepreneurship          | Completion of 60 credit hours   | 3            |
| ISL 100 (A/E)  | Islamic Culture  | No Prerequisite   | 3            |
| ITD 100        | Introduction to Information and Digital Technology       | No Prerequisite   | 3            |



|                |  |   |   |
|----------------|--|---|---|
| ITD 100 (A)*** | Introduction to Information and Digital Technology | No Prerequisite                                 | 3 |
| NSC201         | Natural Science                                    | No Prerequisite                                 | 3 |
| MTG 100        | Math for Life                                      | No Prerequisite                                 | 3 |
| MTG 100 (A)**  | Math for Life                                      | No Prerequisite                                 | 3 |
| MTH 100        | Algebra (Preparatory)                              | No Prerequisite                                 | 3 |
| MTT 101        | Pre-Calculus                                       | Passing grade in MTH 100 or Math Placement Test | 3 |
| MTT 102        | Calculus 1   | Math Placement Test/MTT 101 (C grade)           | 3 |
| SIS 201        | Introduction to Sustainability of Sciences         | ENG 102   | 3 |
| STT 100        | General Statistics                                 | No Prerequisite                                 | 3 |
| STT 100 (A)**  | General Statistics                                 | No Prerequisite                                 | 3 |

\* For Law Majors Only

\*\* For Mass Communication Majors Only

\*\*\* For both Law and Mass Communication Majors

## ***General Education Courses and ELI courses***

Students enrolled in the English Language Institute (ELI) are allowed to take some General Education courses while they are taking their ELI courses at Abu Dhabi University.

The following are the General Education courses allowed with the ELI courses:

| Level of study in the ELI | Number of Allowed Courses         | Allowed Courses  |
|---------------------------|-----------------------------------|------------------|
| IELTS 2                   | Up to 2 General Education courses | ARL 100; ISL 100 |
| IELTS 1                   | Up to 1 General Education course  | ARL 100; ISL 100 |
| GENERAL ENGLISH 2         | Not Applicable                    | Not allowed      |
| GENERAL ENGLISH 1         | Not Applicable                    | Not allowed      |



## ***English Placement Test***

This test, along with the IELTS scores, is meant to give a better assessment of the students' writing abilities in order to help them move to advance English courses.

All students will be given the same test and based on their scores in the test, they will be placed in the level most suitable for their writing abilities and competencies. The English Placement Test is a 90-minute test which includes two (2) major parts, testing a number of language and writing skills with a focus on academic writing.

### **Important Notes:**

**Student will be allowed to take the test only once, and, therefore, they will be identified to which level of English course they will be placed.**

Make sure to visit the website [www.adu.ac.ae](http://www.adu.ac.ae) under "Study/Admissions/Placement test/English Placement Test" for more information, sample questions, and more resources.

## ***Math Placement Test***

The Math Placement Test (MPT) assesses the students' mathematical knowledge and is designed to place the students in the appropriate math course for their engineering and science streams. The one-hour test will allow the college to place the students in one of three different Math courses: MTH 100, MTT 101 and MTT 102. The test includes algebra questions and pre-calculus questions, content that is covered in MTH 100 and MTT 101 respectively.

The diagrams that follow show how the MPT is relevant to each college/major.

Details are mentioned in the admission slip/letter and during the admission orientation.

### **Important Notes:**

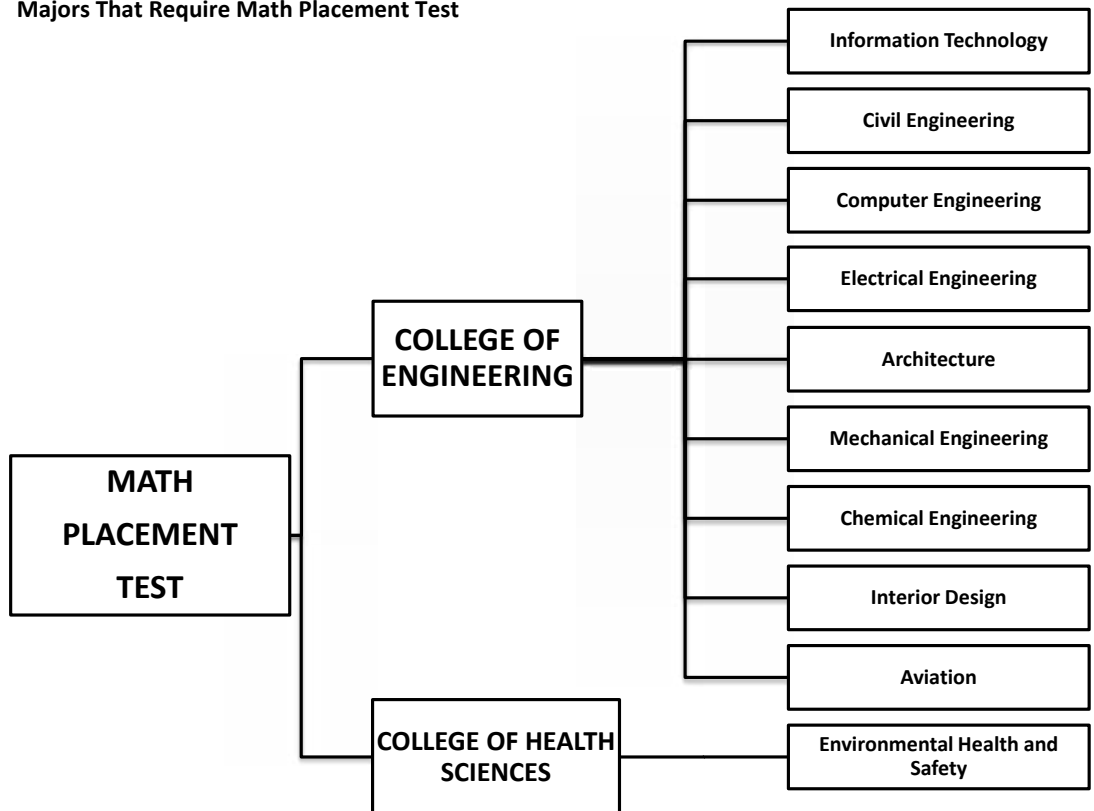
**Student will be allowed to take the test only once, and, therefore, they will be identified to which math course they will be placed.**

Make sure to visit the website [www.adu.ac.ae](http://www.adu.ac.ae) under "Study/Admissions/Placement test/Math Placement Test" for more information, sample questions, and more resources.



*According to the two different colleges (CoHS and COE ), the chart below is designed to sort all majors and their needs for the MPT.*

#### Majors That Require Math Placement Test





# Bachelor of Arts in English

## ***Program Mission***

The BA program in English aims to graduate students who meet the national and regional needs for bilingual human resources in a variety of professions. It is designed to graduate students who possess the intellectual and academic knowledge and practical skills that prepare them for their future careers and the challenges of a fast changing world.

## ***Program Objectives***

The program aims at:

- a. Providing graduates with the skills required for mastering the English language as a means of communication, by offering courses in listening, speaking, reading and writing, from both practical and academic perspectives;
- b. Offering language programs tailored to students' needs and market demand;
- c. Developing students' ability to identify, analyze and resolve problems often encountered by learners of English as a foreign language;
- d. Preparing students for teaching English at different school levels through equipping them with requisite pedagogical awareness and well-informed classroom practices;
- e. Enhancing students' linguistic, practical, and professional understanding of the nature of the translation process and its diverse fields;
- f. Promoting students' innovation and productivity through appropriate academic guidance;
- g. Capitalizing on students' ability to functionalize modern technological approaches and applications in developing personal capabilities and research methods for life-long learning; and
- h. Familiarizing students with the linguistic and literary communication resources for accomplishing different social, affective and cognitive actions and interactions.

## **Curriculum**

### **Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 33 credit hours |
| College Requirements           | 33 credit hours |
| Major Requirements             | 30 credit hours |
| Major Electives                | 15 credit hours |
| Open Electives                 | 9 credit hours  |



## General Education Requirement

**33 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| FWS 211     | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| FWS 305     | Technical Communications for Workplace             | ENG 200 + Completion of minimum 45 credit hours   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + Completion of minimum 60 credit hours   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| FWS 201     | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 301     | Developing Future Leaders                          | FWS 100 + ENG 200 and Completion of minimum 45 credit hours   | 3            |
| FWS 100     | Academic Skills for Success                        | No Prerequisite   | 3            |

## College Requirements

**33 Credit Hours**

| Course Code | Course Title                                | Prerequisite(s) | Credit Hours |
|-------------|---|-----------------|--------------|
| ENG 204     | Situational Conversation                    | ENG 200         | 3            |
| ENG 205     | Critical Reading Skills                     | ENG 200         | 3            |
| ENG 206     | English Grammar                             | ENG 200         | 3            |
| ENG 209     | English Composition I                       | ENG 200         | 3            |
| ENG 303     | Introduction to the Study of Language       | ENG 206         | 3            |
| ENG 306     | Writing 2                                   | ENG 209         | 3            |
| ENG 307     | English Phonetics and Phonology             | ENG 204         | 3            |
| ENG 310     | Debate and Discussion                       | ENG 204         | 3            |
| ENG 401     | Discourse Analysis                          | ENG 303         | 3            |
| LIT 301     | Introduction to English Literature          | ENG 209         | 3            |
| LIT 302     | Readings in Contemporary English Literature | LIT 301         | 3            |



## Major Requirements

**30 Credit Hours**

| Course Code                               | Course Title                        | Prerequisite(s) | Credit Hours |
|---|-------------------------------------|-----------------|--------------|
| <b>Compulsory Courses 30 Credit Hours</b> |                                     |                 |              |
| TFL 302                                   | Educational Linguistics             | ENG 303         | 3            |
| TFL 304                                   | Methods of Teaching 1               | ENG 303         | 3            |
| TFL 306                                   | Curriculum and Material Development | No Prerequisite | 3            |
| TFL 401                                   | Methods of Teaching 2               | TFL 304         | 3            |
| TRA 301                                   | Introduction to Translation         | ENG 206         | 3            |
| TRA 302                                   | Issues in Translating English Texts | TRA 301         | 3            |
| TRA 304                                   | Issues in Translating Arabic Texts  | TRA 301         | 3            |
| TRA 307                                   | Media Translation                   | TRA 301         | 3            |
| LIT 406                                   | Survey of British Literature        | LIT 301         | 3            |
| LIT 408                                   | Survey of American Literature       | LIT 301         | 3            |

## Open Electives

**9 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |

A student can choose one of the following combinations to satisfy Open Requirements:

1. Minor (appears on transcript).
2. 3 courses (9 credit hours) from the English Major Electives and 3 Free Elective courses (9 credit hours).

## Internship Option

**15 Credit Hours**

| Course Code | Course Title                                  | Prerequisite(s) | Credit Hours |
|-------------|---|-----------------|--------------|
| ENG 399     | Internship/Capstone Course/Project in English | 96 Credit Hours | 3            |
| ME1         | Major Elective I                              | -               | 3            |
| ME2         | Major Elective II                             | -               | 3            |
| ME3         | Major Elective III                            | -               | 3            |
| ME4         | Major Elective IV                             | -               | 3            |





## Practicum Option

15 Credit Hours

| Course Code | Course Title      | Prerequisite(s)  | Credit Hours |
|-------------|-------------------|------------------|--------------|
| ENG 399-PR  | Practicum         | 108 Credit Hours | 6            |
| ME1         | Major Elective I  | -                | 3            |
| ME2         | Major Elective II | -                | 3            |
| ME2         | Major Elective II | -                | 3            |

## English Major Electives

| Course Code | Course Title                                  | Prerequisite(s)   | Credit Hours |
|-------------|---|-------------------|--------------|
| ENG 402     | Contrastive Analysis                          | ENG 303 + ENG 307 | 3            |
| ENG 403     | Language and Society                          | ENG 303           | 3            |
| ENG 405     | Advanced Writing                              | ENG 305           | 3            |
| ENG 407     | Morphology of English                         | ENG 303           | 3            |
| ENG 409     | Syntax of English                             | ENG 303           | 3            |
| ENG 411     | Lexical Semantics                             | ENG 303           | 3            |
| ENG 413     | Pragmatics                                    | ENG 303           | 3            |
| ENG 417     | History of English                            | ENG 303           | 3            |
| LIT 410     | World Literature in Translation               | LIT 301           | 3            |
| LIT 412     | Major Author                                  | LIT 301           | 3            |
| LIT 414     | Literary Genre                                | LIT 301           | 3            |
| LIT 416     | Topic in Literature                           | LIT 301           | 3            |
| TFL 402     | Error Analysis and Material Design            | ENG 302           | 3            |
| TFL 404     | Psychology of Language Learning               | FWS 210           | 3            |
| TRA 401     | Issues in Technical/Genre Translation         | TRA 302 + TRA 304 | 3            |
| TRA 402     | Principles of Translation Quality Assessment  | TRA 401           | 3            |
| TRA 403     | Theory of Translation and Professional Issues | TRA 302 + TRA 304 | 3            |
| TRA 404     | Introduction to Interpreting                  | TRA 302 + TRA 304 | 3            |



## Bachelor of Arts in English Study Plan - Internship Option

| First Year (Freshman)   |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                         | ENG 200     | English II   | 3      | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | FWS 100     | Academic Skills for Success                        | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 2)  | FWS 201     | Fundamentals of Life Skills                        | 3      | FWS 100 (E)   |
|                         | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         |
|                         | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         |
|                         | ENG 204     | Situational Conversation                           | 3      | ENG 200   |
|                         | ENG 205     | Critical Reading Skills                            | 3      | ENG 200   |
| Total Credit Hours      |             |  | 15     |   |
| Second Year (Sophomore) |             |  |        |   |
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall 3<br>(Semester 3)  | ENG 206     | English Grammar                                    | 3      | ENG 200   |
|                         | ENG 209     | Writing I  | 3      | ENG 200   |
|                         | ENG 307     | English Phonetics and Phonology                    | 3      | ENG 204   |
|                         | OE1         | Open Elective I                                    | 3      | -   |
|                         | OE2         | Open Elective II                                   | 3      | -   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 4)  | FWS 301     | Developing Future Leaders                          | 3      | FWS 100 + ENG 200 and Completion of minimum 45 credit hours   |
|                         | ENG 303     | Introduction to the Study of Language              | 3      | ENG 206   |
|                         | ENG 306     | Writing II   | 3      | ENG 209   |
|                         | ENG 310     | Debate and Discussion                              | 3      | ENG 204   |
|                         | FWS 305     | Technical Communications for Workplace             | 3      | ENG 200 + Completion of minimum 45 credit hours   |
| Total Credit Hours      |             |  | 15     |   |



| Third Year (Junior)    |         |   |        |   |
|------------------------|---------|---|--------|---|
|                        | Code    | Title   | Credit | Prerequisite(s)                                 |
| Fall<br>(Semester 5)   | LIT 301 | Introduction to English Literature              | 3      | ENG 209   |
|                        | TRA 301 | Introduction to Translation /Major Elective     | 3      | ENG 206 / ME prerequisite                       |
|                        | TFL 302 | Educational Linguistics                         | 3      | ENG 303   |
|                        | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of minimum 60 credit hours |
|                        | OE3     | Open Elective III                               | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |
| Spring<br>(Semester 6) | LIT 302 | Readings in Contemporary English Literature     | 3      | LIT 301   |
|                        | TFL 304 | Methods of Teaching 1                           | 3      | ENG 303   |
|                        | TRA 302 | Issues in Translating English Texts             | 3      | TRA 301   |
|                        | ME1     | Major Elective I                                | 3      | -   |
|                        | ME 2    | Major Elective II                               | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |

| Fourth Year (Senior)   |           |  |        |                 |
|------------------------|-----------|--|--------|-----------------|
|                        | Code      | Title                                    | Credit | Prerequisite(s) |
| Fall<br>(Semester 7)   | ENG 401   | Discourse Analysis                       | 3      | ENG 303         |
|                        | LIT 406   | Survey of British Literature             | 3      | LIT 301         |
|                        | TFL 306   | Curriculum and Material Development      | 3      | No Prerequisite |
|                        | TRA 304   | Issues in Translating Arabic Texts       | 3      | TRA 301         |
|                        | TFL 401   | Methods of Teaching 2                    | 3      | TFL 304         |
| Total Credit Hours     |           |  | 15     |                 |
| Spring<br>(Semester 8) | LIT 408   | Survey of American Literature            | 3      | LIT 301         |
|                        | TRA 307   | Media Translation / Any ME for Non-Arabs | 3      | TRA 301         |
|                        | ME 3      | Major Elective III                       | 3      | -               |
|                        | ME 4      | Major Elective IV                        | 3      | -               |
| Total Credit Hours     |           |  | 12     |                 |
| Summer Session         | ENG 399-I | Internship / Capstone / Project          | 3      | 96 Credit Hours |
| Total Credit Hours     |           |  | 3      |                 |



## Bachelor of Arts in English Study Plan - Practicum Option

| First Year (Freshman)   |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                         | ENG 200     | English II   | 3      | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | FWS 100     | Academic Skills for Success                        | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 2)  | FWS 201     | Fundamentals of Life Skills                        | 3      | FWS 100 (E)   |
|                         | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-reg if students enter to ENG 200 course directly         |
|                         | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-reg if students enter to ENG 200 course directly         |
|                         | ENG 204     | Situational Conversation                           | 3      | ENG 200   |
|                         | ENG 205     | Critical Reading Skills                            | 3      | ENG 200   |
| Total Credit Hours      |             |  | 15     |   |
| Second Year (Sophomore) |             |  |        |   |
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall 3<br>(Semester 3)  | ENG 206     | English Grammar                                    | 3      | ENG 200   |
|                         | ENG 209     | Writing I  | 3      | ENG 200   |
|                         | ENG 307     | English Phonetics and Phonology                    | 3      | ENG 204   |
|                         | OE1         | Open Elective I                                    | 3      | -   |
|                         | OE2         | Open Elective II                                   | 3      | -   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 4)  | FWS 301     | Developing Future Leaders                          | 3      | FWS 100 + ENG 200 and Completion of minimum 45 credit hours   |
|                         | ENG 303     | Introduction to the Study of Language              | 3      | ENG 206   |
|                         | ENG 306     | Writing II   | 3      | ENG 209   |
|                         | ENG 310     | Debate and Discussion                              | 3      | ENG 204   |
|                         | FWS 305     | Technical Communications for Workplace             | 3      | ENG 200 + Completion of minimum 45 credit hours   |
| Total Credit Hours      |             |  | 15     |   |



| Third Year (Junior)    |         |   |        |   |
|------------------------|---------|---|--------|---|
|                        | Code    | Title   | Credit | Prerequisite(s)                                 |
| Fall<br>(Semester 5)   | LIT 301 | Introduction to English Literature              | 3      | ENG 209   |
|                        | TRA 301 | Introduction to Translation /Major Elective     | 3      | ENG 206 / ME prerequisite                       |
|                        | TFL 302 | Educational Linguistics                         | 3      | ENG 303   |
|                        | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of minimum 60 credit hours |
|                        | OE3     | Open Elective III                               | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |
| Spring<br>(Semester 6) | LIT 302 | Readings in Contemporary English Literature     | 3      | LIT 301   |
|                        | TFL 304 | Methods of Teaching 1                           | 3      | ENG 303   |
|                        | TRA 302 | Issues in Translating English Texts             | 3      | TRA 301   |
|                        | ME1     | Major Elective I                                | 3      | -   |
|                        | ME 2    | Major Elective II                               | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |

| Fourth Year (Senior)   |           |  |        |                  |
|------------------------|-----------|--|--------|------------------|
|                        | Code      | Title                                    | Credit | Prerequisite(s)  |
| Fall<br>(Semester 7)   | ENG 401   | Discourse Analysis                       | 3      | ENG 303          |
|                        | LIT 406   | Survey of British Literature             | 3      | LIT 301          |
|                        | TFL 306   | Curriculum and Material Development      | 3      | No Prerequisite  |
|                        | TFL 401   | Methods of Teaching 2                    | 3      | TFL 304          |
|                        | TRA 304   | Issues in Translating Arabic Texts       | 3      | TRA 301          |
| Total Credit Hours     |           |  | 15     |                  |
| Spring<br>(Semester 8) | LIT 408   | Survey of American Literature            | 3      | LIT 301          |
|                        | TRA 307   | Media Translation / Any ME for Non-Arabs | 3      | TRA 301          |
|                        | ENG 399-I | Practicum in English                     | 6      | 108 Credit Hours |
|                        | ME 3      | Major Elective III                       | 3      | -                |
| Total Credit Hours     |           |  | 15     |                  |



# BACHELOR OF ARTS IN MASS COMMUNICATION



## ***Program Mission***

The mission of the Department of Mass Communication is to advance the academic, professional and personal development of undergraduate students, through select programs of teaching, research and public service that combine strong theoretical courses with professional preparation for the media work places. The goal of the department is to produce graduates who meet high standards of performance in Print Journalism, Broadcast Journalism and Strategic Communication. Also, the department aims to achieve recognition among professionals, media organizations/agencies and scholars in mass communications regionally and internationally.

## ***Program Objectives***

To reach the mentioned mission, the program has the following objectives:

- a. Prepare students to demonstrate understanding of the theoretical and conceptual aspects of mass communication;
- b. Train students to work effectively for a variety of careers in mass communication and related fields;
- c. Equip students with essential skills to achieve excellency in research, analyzing, and writing media reports and features for print and electronic media;
- d. Prepare students to be able to utilize contemporary digital tools to conceive, produce, and package contents for a variety of media platforms, including websites;
- e. Encourage students to think critically and creatively in dealing with issues related to mass media;
- f. Prepare students to demonstrate understanding of the role and impact of mass media in the Middle East;
- g. Train students to effectively deal with myriad of ongoing communication challenges at the local, national, and global levels;
- h. Equip students by all means that help them to demonstrate their professional conduct, ethical values, and sound judgment;
- i. Show students' skills in problem solving, effective communicators, and contributions to society.



## Curriculum

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 36 credit hours |
| Program Core Requirements      | 42 credit hours |
| Degree Concentration           | 21 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 15 credit hours |

### General Education Requirement

**36 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| FWS 211     | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| FWS 305     | Technical Communications for Workplace             | ENG 200 + Completion of minimum 45 credit hours   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + Completion of minimum 60 credit hours   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| FWS 201     | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 301     | Developing Future Leaders                          | FWS 100 + ENG 200 and Completion of minimum 45 credit hours   | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |
| FWS 100     | Academic Skills for Success                        | No Prerequisite   | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





## Core Requirements

**42 Credit Hours**

| Course Code | Course Title                            | Prerequisite(s)        | Credit Hours |
|-------------|---|------------------------|--------------|
| ASC 301     | Research Report Writing                 | STT 100                | 3            |
| MKT 200     | Principles of Marketing                 | ENG 200                | 3            |
| MMC 201     | Introduction to Mass Communication      | (Co) ENG 102 / ENG 200 | 3            |
| MMC 203     | Writing for Mass Media                  | MMC 201                | 3            |
| MAC 201     | Intercultural Communication             | MMC 201                | 3            |
| MAC 205     | Theories of Mass Communication          | MMC 201                | 3            |
| MAC 300     | Media Research Methods                  | MAC 205                | 3            |
| MAC 308     | Photojournalism                         | MMC 203                | 3            |
| MAC 310     | Mass Media Ethics and Responsibilities  | MMC 201                | 3            |
| MAC 317     | Public Speaking                         | ENG 200                | 3            |
| MAC 400     | Current Media Issues in GCC             | MAC 300                | 3            |
| MAC 404     | Social Media Management                 | MMC 201                | 3            |
| MAC 490     | Senior Design Project (Capstone Course) | 100 Credit Hours       | 3            |
| MAC 499     | Internship                              | 80 Credit Hours        | 3            |

## Major Electives ( Student may take one (2) of the below courses) **6 Credit Hours**

| Course Code | Course Title                  | Prerequisite(s) | Credit Hours |
|-------------|-------------------------------|-----------------|--------------|
| MAC 202     | Translation for Communication | ARL 100         | 3            |
| MAC 206     | Introduction to Journalism    | ENG 200         | 3            |
| MAC 402     | Media Criticism               | MAC 310         | 3            |
| MAC 403     | International Communication   | MAC 201         | 3            |
| MAC 412     | Media Management              | ENG 200         | 3            |
| MAC 316     | Communication and Diplomacy   | MMC 201         | 3            |

## Language Electives (Student may take one (1) of the below courses) **3 Credit Hours**

| Course Code | Course Title            | Prerequisite(s) | Credit Hours |
|-------------|-------------------------|-----------------|--------------|
| ITA 101     | Introduction to Italian | -               | 3            |
| FRE 101     | Introduction to French  | -               | 3            |



## Open Electives

12 credit Hours

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |
| OE4         | Open Elective IV  | -               | 3            |

## Degree Concentrations

21 Credit Hours

| Course Code                                      | Course Title                             | Prerequisite(s)   | Credit Hours |
|--|--|-------------------|--------------|
| <b>Broadcast Journalism Core Requirements</b>    |  |                   |              |
| MAC 305  | TV News Shooting and Production          | MMC 201           | 3            |
| MAC 307  | TV News Editing                          | MMC 201           | 3            |
| MAC 409  | Advanced Multi Media Journalism          | MMC 203           | 3            |
| MAC 311  | Broadcast News Reporting                 | MAC 312           | 3            |
| MAC 312  | Broadcast News Writing                   | MMC 203           | 3            |
| MAC 318  | TV News Programming                      | MMC 201 + MAC 305 | 3            |
| MAC 410  | Web Publications and Design              | ITD 100           | 3            |
| <b>Strategic Communication Core Requirements</b> |  |                   |              |
| MAC 303  | Organizational Communication             | FWS 305           | 3            |
| MAC 313  | Principles of Strategic Public Relations | ENG 200           | 3            |
| MAC 314  | Communication Strategies in Advertising  | ITD 100           | 3            |
| MAC 315  | Writing for PR                           | MMC 203           | 3            |
| MAC 301  | PR Protocol and Etiquette                | MMC 201           | 3            |
| MAC 407  | Integrated Communication Campaign        | MAC 314           | 3            |
| MAC 411  | PR Case Studies                          | MAC 313           | 3            |



## Bachelor of Arts in Mass Communication Study Plan Broadcast Journalism Concentration

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | FWS 100 (E) | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | ENG 200     | English II   | 3      | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                        | MMC 201     | Introduction to Mass Communication                 | 3      | (Co) ENG 100 / ENG 200  |
| Total Credit Hours     |             |  | 15     |   |
| Spring<br>(Semester 2) | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
|                        | FWS 201     | Fundamentals of Life Skills                        | 3      | FWS 100 (E)   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
|                        | MAC 201     | Intercultural Communication                        | 3      | MMC 201   |
|                        | MMC 203     | Writing for Mass Media                             | 3      | MMC 201   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |         |  |        |   |
|-------------------------|---------|--|--------|---|
|                         | Code    | Title                                  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ASC 301 | Research Report Writing                | 3      | STT 100   |
|                         | OE 1    | Open Elective I                        | 3      | -   |
|                         | FWS 211 | Fundamentals of Emotional Intelligence | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
|                         | MAC 312 | Broadcast News Writing                 | 3      | MMC 203   |
|                         | MAC 305 | TV News Shooting and Production        | 3      | MMC 201   |
| Total Credit Hours      |         |  | 15     |   |
| Spring<br>(Semester 4)  | FWS 305 | Technical Communications for Workplace | 3      | ENG 200 + Completion of minimum 45 credit hours   |
|                         | MAC 205 | Theories of Mass Communication         | 3      | MMC 20  |
|                         | MAC 310 | Mass Media Ethics and Responsibilities | 3      | MMC 201   |
|                         | MAC 308 | Photojournalism                        | 3      | MMC 203   |
|                         | MKT 200 | Principles of Marketing                | 3      | ENG 200   |
| Total Credit Hours      |         |  | 15     |   |



| Third Year (Junior)    |         |   |        |   |
|------------------------|---------|---|--------|---|
|                        | Code    | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 5)   | MAC 300 | Media Research Methods                          | 3      | MAC 205   |
|                        | MAC 317 | Public Speaking                                 | 3      | ENG 200   |
|                        | MAC 307 | TV News Editing                                 | 3      | MMC 201   |
|                        | ME 1    | Major Elective I                                | 3      | -   |
|                        | OE 2    | Open Elective II                                | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |
| Spring<br>(Semester 6) | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 chrs   |
|                        | MAC 311 | Broadcast News Reporting                        | 3      | MMC 312   |
|                        | MAC 318 | TV News Programming                             | 3      | MMC 201 + MAC 305   |
|                        | FWS 301 | Developing Future Leaders                       | 3      | FWS 100 + ENG 200 and Completion of minimum 45 credit hours                                 |
|                        | FWS 205 | UAE and GCC Society                             | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
| Total Credit Hours     |         |   | 15     |   |
| Summer Semester        | MAC 499 | Internship                                      | 3      | 80 Credit Hours   |
| Total Credit Hours     |         |   | 3      |   |

| Fourth Year (Senior)   |         |                                 |        |                  |
|------------------------|---------|---------------------------------|--------|------------------|
|                        | Code    | Title                           | Credit | Prerequisite(s)  |
| Fall<br>(Semester 7)   | MAC 400 | Current Media Issues in GCC     | 3      | MAC 300          |
|                        | MAC 404 | Social Media Management         | 3      | MMC 201          |
|                        | MAC 409 | Advanced Multi Media Journalism | 3      | MMC 203          |
|                        | MAC 410 | Web Publications and Design     | 3      | ITD 100          |
|                        | ME 2    | Major Elective II               | 3      | -                |
| Total Credit Hours     |         |                                 | 15     |                  |
| Spring<br>(Semester 8) | OE 3    | Open Elective IV                | 3      | -                |
|                        | OE 4    | Open Elective V                 | 3      | -                |
|                        | ME 3    | Major Elective 3                | 3      | -                |
|                        | MAC 490 | Senior Design Project           | 3      | 100 Credit Hours |
| Total Credit Hours     |         |                                 | 12     |                  |



## Strategic Communication Concentration

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | FWS 100 (E) | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | ENG 200     | English II   | 3      | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                        | MMC 201     | Introduction to Mass Communication                 | 3      | (Co) ENG 100 / ENG 200  |
| Total Credit Hours     |             |  | 15     |   |
| Spring<br>(Semester 2) | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
|                        | FWS 201     | Fundamentals of Life Skills                        | 3      | FWS 100 (E)   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
|                        | MAC 201     | Intercultural Communication                        | 3      | MMC 201   |
|                        | MMC 203     | Writing for Mass Media                             | 3      | MMC 201   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |         |  |        |   |
|-------------------------|---------|--|--------|---|
|                         | Code    | Title                                    | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ASC 301 | Research Report Writing                  | 3      | STT 100   |
|                         | OE 1    | Open Elective I                          | 3      | -   |
|                         | FWS 211 | Fundamentals of Emotional Intelligence   | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
|                         | MAC 313 | Principles of Strategic Public Relations | 3      | ENG 200   |
|                         | MAC 314 | Communication Strategy in Advertising    | 3      | ITD 100   |
| Total Credit Hours      |         |  | 15     |   |
| Spring<br>(Semester 4)  | FWS 305 | Technical Communications for Workplace   | 3      | ENG 200 + Completion of minimum 45 credit hours   |
|                         | MAC 205 | Theories of Mass Communication           | 3      | MMC 201   |
|                         | MAC 310 | Mass Media Ethics and Responsibilities   | 3      | MMC 201   |
|                         | MAC 308 | Photojournalism                          | 3      | MMC 203   |
|                         | MKT 200 | Principles of Marketing                  | 3      | ENG 200   |
| Total Credit Hours      |         |  | 15     |   |



| Third Year (Junior)    |         |   |        |   |
|------------------------|---------|---|--------|---|
|                        | Code    | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 5)   | MAC 300 | Media Research Methods                          | 3      | MAC 205   |
|                        | MAC 317 | Public Speaking                                 | 3      | ENG 200   |
|                        | MAC 303 | Organizational Communication                    | 3      | FWS 305   |
|                        | ME 1    | Major Elective I                                | 3      | -   |
|                        | MAC 407 | Integrated Communication Campaign               | 3      | MAC 314   |
| Total Credit Hours     |         |   | 15     |   |
| Spring<br>(Semester 6) | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs  |
|                        | MAC 315 | Writing for PR                                  | 3      | MMC 203   |
|                        | MAC 301 | PR protocol and Etiquette                       | 3      | MMC 201   |
|                        | FWS 301 | Developing Future Leaders                       | 3      | FWS 100 + ENG 200 and Completion of minimum 45 credit hours                                 |
|                        | FWS 205 | UAE and GCC Society                             | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
| Total Credit Hours     |         |   | 15     |   |
| Summer Semester        | MAC 499 | Internship                                      | 3      | 80 Credit Hours   |
| Total Credit Hours     |         |   | 3      |   |

| Fourth Year (Senior)   |         |                             |        |                  |
|------------------------|---------|-----------------------------|--------|------------------|
|                        | Code    | Title                       | Credit | Prerequisite(s)  |
| Fall<br>(Semester 7)   | MAC 400 | Current Media Issues in GCC | 3      | MAC 300          |
|                        | MAC 404 | Social Media Management     | 3      | MMC 201          |
|                        | OE 2    | Open Elective II            | 3      | -                |
|                        | MAC 411 | PR Case Studies             | 3      | MAC 313          |
|                        | ME 2    | Major Elective II           | 3      | -                |
| Total Credit Hours     |         |                             | 15     |                  |
| Spring<br>(Semester 8) | OE 3    | Open Elective III           | 3      | -                |
|                        | OE 4    | Open Elective IV            | 3      | -                |
|                        | ME 3    | Major Elective III          | 3      | -                |
|                        | MAC 490 | Senior Design Project       | 3      | 100 Credit Hours |
| Total Credit Hours     |         |                             | 12     |                  |



## BACHELOR IN MASS COMMUNICATION (ARABIC)

## بكالوريوس الآداب في الإعلام باللغة العربية



### مهمة البرنامج

تتمثل مهمة برنامج الصحافة والإعلام في التنمية الأكاديمية والمهنية لطلبة البكالوريوس من خلال مناهج دراسية معدة أعداداً جيداً تجمع بين المساقات النظرية المتعمقة والمسارات التطبيقية إلى جانب التدريب العملي عال المستوى للعمل في مجال الإعلام.

يهدف البرنامج إلى إعداد الطلاب وتأهيلهم وفقاً للمعايير المهنية والدولية في الصحافة المطبوعة والاتصال الإستراتيجي والصحافة الإذاعية.

### أهداف البرنامج

1. فهم واستيعاب الجوانب النظرية للصحافة والإعلام، مع إتقان الجوانب المهنية والعملية للعمل الإعلامي.
2. إتقان مجموعة من من المعارف والمهارات التي تؤهله للعمل بمجموعة من الوظائف في مجال الإعلام والمجالات ذات الصلة.
3. بحث وتحليل وكتابة تقارير ومقالات لوسائل الاعلام المطبوعة والإلكترونية.
4. استخدام الوسائط المتعددة والرقمية المعاصرة لإنتاج مضامين عالية الجودة تلبي احتياجات الجمهور وترتقي بالذوق العام عبر وسائل الإعلام، بما في ذلك المواقع الإلكترونية.
5. التفكير الناقد والإبداعي في التعامل مع القضايا ذات الصلة بوسائل الإعلام.
6. فهم وتحليل دور وسائل الإعلام وتأثيرها في الشرق الأوسط.
7. التعامل بشكل فعال مع تحديات الإعلام الحالية والمستقبلية على المستويات المحلية والإقليمية والعالمية.
8. القدرة على تطبيق قواعد السلوك المهني والقيم الأخلاقية واتخاذ القرار.
9. القدرة على إتقان حل المشكلات، والاتصال الفعال، والمساهمة الفعالة في خدمة المجتمع.





## CURRICULUM

## المقرر الدراسي

**Total Credit Hours: 123**

إجمالي عدد الساعات المعتمدة: 123

|                                |                 |                |                       |
|--------------------------------|-----------------|----------------|-----------------------|
| General Education Requirements | 42 credit hours | ٤٢ ساعة معتمدة | متطلبات التعليم العام |
| Core Requirements              | 36 credit hours | ٣٦ ساعة معتمدة | المتطلبات الإجبارية   |
| Degree Concentration           | 30 credit hours | ٣٠ ساعة معتمدة | متطلبات التخصص        |
| Major Electives                | 9 credit hours  | ٩ ساعات معتمدة | المتطلبات الاختيارية  |
| Open Electives                 | 6 credit hours  | ٦ ساعات معتمدة | المساقات الحرة        |

### General Education Requirements 42 Credit Hours

### متطلبات التعليم العام ٤٢ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق              | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|---|-----------------------------------|--------------------------------------|
| ARL 100                   | مهارات الاتصال باللغة العربية (1)       | لا يوجد                           | 3                                    |
| ENG 100 (MA)              | مهارات اللغة الإنجليزية (1)             | لا يوجد                           | 3                                    |
| ENG 200 (MA)              | مهارات اللغة الإنجليزية (2)             | C درجة<br>في مادة (MA) ENG 100    | 3                                    |
| FWS 310 (MA)              | مدخل في ريادة الأعمال و الابتكار        | 60 ساعة معتمدة                    | 3                                    |
| FWS 100 (A)               | مهارات النجاح الأكاديمية                | لا يوجد                           | 3                                    |
| FWS 201 (A)               | أساسيات المهارات الحياتية               | FWS 100 (A)                       | 3                                    |
| FWS 205 (A)               | مجتمع الإمارات و الخليج العربي          | لا يوجد                           | 3                                    |
| ISL 100 (A)               | الثقافة الإسلامية                       | لا يوجد                           | 3                                    |
| FWS 301 (A)               | تطوير قادة المستقبل                     | FWS 100(A)<br>+ 45 ساعة معتمدة    | 3                                    |
| MTG 100 (A)               | الرياضيات للحياة                        | لا يوجد                           | 3                                    |
| FWS 211 (A)               | أساسيات الذكاء العاطفي                  | FWS100(A)                         | 3                                    |
| STT 100 (A)               | الإحصاء العام                           | لا يوجد                           | 3                                    |
| ITD 100 (A)               | مدخل الى الحاسب الآلي و التقنية الرقمية | لا يوجد                           | 3                                    |



## Core Requirements 36 Credit Hours

## المتطلبات الاجبارية ٣٦ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق        | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| PELA 219                  | مبادئ الاقتصاد الكلي              | لا يوجد                           | 3                                    |
| SOCIO 200                 | مدخل إلى علم الاجتماع             | ENG 200 (MA)                      | 3                                    |
| MCA 201                   | مدخل إلى الصحافة                  | ARL 100                           | 3                                    |
| MCA 202                   | مدخل إلى الإذاعة والتلفزيون       | ARL 100                           | 3                                    |
| MCA 203                   | مدخل إلى العلاقات العامة والإعلان | ARL 100                           | 3                                    |
| MCA 204                   | منهج البحث العلمي                 | STT 100 (A)                       | 3                                    |
| MCA 205                   | الرأي العام                       | FWS 205 (A)                       | 3                                    |
| MCA 206                   | التصوير الرقمي                    | ENG 200 (MA)                      | 3                                    |
| MCA 207                   | النقد الأدبي والفني               | ARL 100                           | 3                                    |
| MCA 208                   | الترجمة                           | ENG 200 (MA)                      | 3                                    |
| MCA 209                   | قوانين الإعلام وأخلاقياته         | MCA 201                           | 3                                    |
| PSIR 311                  | مبادئ علوم سياسية                 | لا يوجد                           | 3                                    |

## Major Electives 9 credit Hours

## المتطلبات الاختيارية ٩ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق     | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|--------------------------------|-----------------------------------|--------------------------------------|
| MCA 210                   | الإعلام و إدارة الأزمات        | MCA 205                           | 3                                    |
| MCA 211                   | إدارة المؤسسات الإعلامية       | MCA 201 + MCA 202 or<br>MCA 203   | 3                                    |
| MCA 212                   | الاتصال الدولي                 | MCA 205                           | 3                                    |
| MCA 213                   | مادة إعلامية باللغة الإنجليزية | ENG 200 (MA)                      | 3                                    |
| MCA 214                   | الاتصال الشفهي                 | MCA 201 + MCA 202 or<br>MCA 203   | 3                                    |
| MCA 215                   | نظريات الاتصال                 | MCA 201 + MCA 202 or<br>MCA 203   | 3                                    |



## Degree Concentrations 30 Credit Hours

## متطلبات التخصص ٣٠ ساعة معتمدة

| Course Code<br>رقم المساق                            | Course Title<br>اسم المساق              | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|--|---|-----------------------------------|--------------------------------------|
| متطلبات تخصص مسار الإذاعة والتلفزيون الإجبارية       |   |                                   |                                      |
| RTV 300  | التصوير التلفزيوني                      | MCA 206                           | 3                                    |
| RTV 301  | الكتابة للإذاعة والتلفزيون              | MCA 202                           | 3                                    |
| RTV 302  | الدراما الإذاعية والتلفزيونية           | MCA 202                           | 3                                    |
| RTV 303  | الأخبار الإذاعية والتلفزيونية           | MCA 202                           | 3                                    |
| RTV 304  | الإلقاء الإذاعي والتلفزيوني             | RTV 303                           | 3                                    |
| RTV 305  | الإنتاج الإذاعي                         | MCA 202                           | 3                                    |
| RTV 306  | الإنتاج التلفزيوني                      | RTV 300                           | 3                                    |
| RTV 307  | المونتاج التلفزيوني                     | RTV 306                           | 3                                    |
| MCA 400  | التدريب الميداني                        | الانتهاء من ٩٠ ساعة معتمدة        | 3                                    |
| RTV 401  | مشروع تخرج في الإذاعة والتلفزيون        | RTV 301 + MCA 305 + MCA 306       | 3                                    |
| متطلبات تخصص مسار العلاقات العامة والإعلان الإجبارية |   |                                   |                                      |
| PRAD 301   | الكتابة للعلاقات العامة                 | MCA 203                           | 3                                    |
| PRAD 302   | الاتصال التنظيمي                        | MCA 203                           | 3                                    |
| PRAD 303   | دراسات حالة في العلاقات العامة والإعلان | MCA 203                           | 3                                    |
| PRAD 304   | تخطيط حملات العلاقات العامة             | PRAD 301                          | 3                                    |
| PRAD 305   | إنتاج المواد الإعلامية للعلاقات العامة  | MCA 206                           | 3                                    |
| PRAD 306   | البروتوكول والإتيكيت                    | MCA 203                           | 3                                    |
| MAC 407  | الاتصالات التسويقية المتكاملة           | PRAD 304 + ENG 100 (A)            | 3                                    |
| PRAD 307   | تصميم الإعلان                           | PRAD 305 + ENG 100                | 3                                    |
| MCA 400  | التدريب الميداني                        | الانتهاء من ٩٠ ساعة معتمدة        | 3                                    |
| PRAD 401   | مشروع تخرج في العلاقات العامة والإعلان  | PRAD 301 + PRAD 303               | 3                                    |

ملحوظة: يختار الطالب (٢) مساق حر من أي تخصص آخر بواقع (٦) ساعات



**Bachelor of Arts in Mass  
Communication Study Plan**  
Broadcast Journalism Concentration

**الخطة الدراسية لبرنامج بكالوريوس  
الآداب في الإعلام**  
تخصص الإذاعة والتلفزيون

| السنة الأولى (Freshman) First Year    |                           |  |                                      |                                   |
|---------------------------------------|---------------------------|--|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق                 | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخریف/Fall<br>(Semester 1)           | ARL 100                   | مهارات الاتصال باللغة العربية (I)          | 3                                    | لا يوجد                           |
|                                       | ENG 100<br>(MA)           | مهارات اللغة الإنجليزية (I)                | 3                                    | لا يوجد                           |
|                                       | ISL 100 (A)               | الثقافة الإسلامية                          | 3                                    | لا يوجد                           |
|                                       | MGT 100 (A)               | الرياضيات للحياة                           | 3                                    | لا يوجد                           |
|                                       | FWS 100 (A)               | مهارات النجاح الأكاديمية                   | 3                                    | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |  | <b>13</b>                            |                                   |
| الربيع/Spring<br>(Semester 2)         | ENG 200(MA)               | مهارات اللغة الإنجليزية (II)               | 3                                    | C درجة<br>في مادة ENG 100 (MA)    |
|                                       | STT100(A)                 | الإحصاء العام                              | 3                                    | لا يوجد                           |
|                                       | FWS201(A)                 | أساسيات المهارات الحياتية                  | 3                                    | FWS 100 (A)                       |
|                                       | ITD100(A)                 | مدخل إلى الحاسب الآلي و التقنية<br>الرقمية | 3                                    | لا يوجد                           |
|                                       | PELA219                   | مبادئ علم الاقتصاد                         | 3                                    | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |  | <b>15</b>                            |                                   |



| السنة الثانية (Sophomore) Second Year  |                           |                                   |                                      |                                   |
|--|---------------------------|-----------------------------------|--------------------------------------|-----------------------------------|
|  | Course Code<br>رقم المساق | Course Title<br>اسم المساق        | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 3)                | FWS 205 (A)               | مجتمع الامارات و الخليج العربي    | 3                                    | لا يوجد                           |
|  | OE 1                      | مساق اختياري من تخصص اخر          | 3                                    | -                                 |
|  | MAC 206                   | التصوير الرقمي                    | 3                                    | ENG 200 (MA)                      |
|  | FWS 211 (A)               | اساسيات الذكاء العاطفي            | 3                                    | FWS100 (A)                        |
|  | PSIR 311                  | مبادئ علوم سياسية                 | 3                                    | لا يوجد                           |
| Total Credit Hours/ اجمالي عدد الساعات |                           |                                   | 15                                   |                                   |
| الربيع/<br>(Semester 4)                | FWS301 (A)                | تطوير قادة المستقبل               | 3                                    | FWS 100(A)<br>+ 45 ساعة معتمدة    |
|  | SOCIO 200                 | مدخل إلى علم الاجتماع             | 3                                    | ENG 200 (MA)                      |
|  | MCA 201                   | مدخل إلى الصحافة                  | 3                                    | ARL 100                           |
|  | MCA 202                   | مدخل إلى الإذاعة والتلفزيون       | 3                                    | ARL 100                           |
|  | MCA 203                   | مدخل إلى العلاقات العامة والإعلان | 3                                    | ARL 100                           |
| Total Credit Hours/ اجمالي عدد الساعات |                           |                                   | 15                                   |                                   |
| السنة الثالثة (Junior) Third Year      |                           |                                   |                                      |                                   |
|  | Course Code<br>رقم المساق | Course Title<br>اسم المساق        | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 5)                | MCA 204                   | مناهج البحث العلمي                | 3                                    | STT 100 (A)                       |
|  | MCA 205                   | الرأي العام                       | 3                                    | FWS 205 (A)                       |
|  | RTV 302                   | الدراما الإذاعية و التلفزيونية    | 3                                    | MAC 202                           |
|  | RTV 303                   | الأخبار الإذاعية و التلفزيونية    | 3                                    | MCA 202                           |
|  | MCA 209                   | قوانين الإعلام وأخلاقياته         | 3                                    | MCA 201                           |
| Total Credit Hours/ اجمالي عدد الساعات |                           |                                   | 15                                   |                                   |
| الربيع/<br>(Semester 6)                | MCA 207                   | النقد الأدبي والفني               | 3                                    | ARL105                            |
|  | MCA 208                   | الترجمة                           | 3                                    | ENG 200 (A)                       |
|  | RTV 300                   | التصوير التلفزيوني                | 3                                    | MCA 206                           |
|  | RTV 301                   | الكتابة للإذاعة والتلفزيون        | 3                                    | MCA 202                           |
|  | ME 1                      | متطلب تخصص إختياري                | 3                                    | -                                 |
| Total Credit Hours/ اجمالي عدد الساعات |                           |                                   | 15                                   |                                   |
| Summer Semester/<br>فصل الصيف          | MCA 400                   | التدريب الميداني                  | 3                                    | الانتهاء من ٩٠ ساعة معتمدة        |
| Total Credit Hours/ اجمالي عدد الساعات |                           |                                   | 3                                    |                                   |



| السنة الرابعة (Senior) Fourth Year    |                           |                                  |                                      |                                   |
|---------------------------------------|---------------------------|----------------------------------|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق       | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 7)               | RTV 304                   | الإلقاء الإذاعي والتلفزيوني      | 3                                    | RTV 303                           |
|                                       | RTV 305                   | الإنتاج الإذاعي                  | 3                                    | MCA 202                           |
|                                       | RTV 306                   | الإنتاج التلفزيوني               | 3                                    | RTV 300                           |
|                                       | ME 1                      | متطلب تخصص اختياري               | 3                                    | -                                 |
|                                       | OE 2                      | مساق اختياري من تخصص آخر         | 3                                    | -                                 |
| Total Credit Hours/اجمالي عدد الساعات |                           |                                  | 15                                   |                                   |
| الربيع/<br>(Semester 8)               | RTV 307                   | المونتاج التلفزيوني              | 3                                    | RTV 306                           |
|                                       | ME 2                      | متطلب تخصص اختياري               | 3                                    | -                                 |
|                                       | ME 3                      | متطلب تخصص اختياري               | 3                                    | -                                 |
|                                       | OE 3                      | مساق اختياري من تخصص آخر         | 3                                    | -                                 |
|                                       | RTV 401                   | مشروع تخرج في الإذاعة والتلفزيون | 3                                    | MCA 305 + MCA 306 + RTV 301       |
| Total Credit Hours/اجمالي عدد الساعات |                           |                                  | 15                                   |                                   |



## Strategic Communication Concentration

## تخصص العلاقات العامة والإعلان

| السنة الأولى (Freshman) First Year    |                           |   |                                      |                                   |
|---------------------------------------|---------------------------|---|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق              | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>Fall<br>(Semester 1)       | ARL 100                   | مهارات الاتصال باللغة العربية (I)       | 3                                    | لا يوجد                           |
|                                       | ENG 100 (A)               | مهارات اللغة الإنجليزية (I)             | 3                                    | لا يوجد                           |
|                                       | ISL 100 (A)               | الثقافة الإسلامية                       | 3                                    | لا يوجد                           |
|                                       | MGT 100 (A)               | مهارات الدراسة الجامعية                 | 3                                    | لا يوجد                           |
|                                       | FWS 100 (A)               | مدخل إلى الحاسب الآلي                   | 3                                    | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 13                                   |                                   |
|                                       | ENG 200 (A)               | مهارات اللغة الإنجليزية (II)            | 3                                    | C درجة<br>في مادة ENG 100 (MA)    |
|                                       | STT 100 (A)               | الإحصاء العام                           | 3                                    | لا يوجد                           |
|                                       | FWS 201 (A)               | أساسيات المهارات الحياتية               | 3                                    | FWS 100 (A)                       |
|                                       | ITD 100 (A)               | مدخل إلى الحاسب الآلي و التقنية الرقمية | 3                                    | لا يوجد                           |
|                                       | PELA 219                  | مبادئ علم الاقتصاد                      | 3                                    | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 15                                   |                                   |

| السنة الثانية (Sophomore) Second Year |                           |                                   |                                      |                                   |
|---------------------------------------|---------------------------|-----------------------------------|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق        | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>Fall<br>(Semester 3)       | FWS 205 (A)               | مجتمع الإمارات و الخليج العربي    | 3                                    | لا يوجد                           |
|                                       | OE 1                      | مساق اختياري من تخصص آخر          | 3                                    | -                                 |
|                                       | MAC 206                   | التصوير الرقمي                    | 3                                    | ENG 200 (A)                       |
|                                       | FWS 211 (A)               | أساسيات الذكاء العاطفي            | 3                                    | FWS 100 (A)                       |
|                                       | PSIR 311                  | مبادئ علوم سياسية                 | 3                                    | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |                                   | 15                                   |                                   |
| الربيع/<br>Spring<br>(Semester 4)     | FWS 201 (A)               | تطوير قادة المستقبل               | 3                                    | (FWS 100(A<br>+ 45 ساعة معتمدة    |
|                                       | SOCIO 200                 | مدخل إلى علم الاجتماع             | 3                                    | ENG 200 (A)                       |
|                                       | MCA 201                   | مدخل إلى الصحافة                  | 3                                    | ARL 100                           |
|                                       | MCA 202                   | مدخل إلى الإذاعة والتلفزيون       | 3                                    | ARL 100                           |
|                                       | MCA 203                   | مدخل إلى العلاقات العامة والإعلان | 3                                    | ARL 100                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |                                   | 15                                   |                                   |





| السنة الثالثة (Junior) Third Year (Junior) |                           |   |                                      |                                   |
|--|---------------------------|---|--------------------------------------|-----------------------------------|
|  | Course Code<br>رقم المساق | Course Title<br>اسم المساق              | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>Fall<br>(Semester 5)            | MCA 204                   | مناهج البحث العلمي                      | 3                                    | STT 100 (A)                       |
|  | MCA 205                   | الرأي العام                             | 3                                    | FWS 205 (A)                       |
|  | PRAD 301                  | الكتابة للعلاقات العامة                 | 3                                    | MCA 203                           |
|  | PRAD 302                  | الاتصال التنظيمي                        | 3                                    | MCA 203                           |
|  | MCA 209                   | قوانين الإعلام وأخلاقياته               | 3                                    | MCA 201                           |
| Total Credit Hours/اجمالي عدد الساعات      |                           |   | 15                                   |                                   |
| الربيع/<br>Spring<br>(Semester 6)          | MCA 207                   | النقد الأدبي والفني                     | 3                                    | ARL100                            |
|  | MCA 208                   | الترجمة                                 | 3                                    | ENG 200 (MA)                      |
|  | PRAD 303                  | دراسات حالة في العلاقات العامة والإعلان | 3                                    | MCA 203                           |
|  | PRAD 305                  | إنتاج المواد الإعلامية للعلاقات العامة  | 3                                    | MCA 206                           |
|  | FWS 310 (A)               | متطلب تخصص إختياري                      | 3                                    | ساعة معتمدة 60                    |
| Total Credit Hours/اجمالي عدد الساعات      |                           |   | 15                                   |                                   |
| Summer Semester/<br>فصل الصيف              | MCA 400                   | التدريب الميداني                        | 3                                    | الانتهاء من 9٠ ساعة معتمدة        |
| Total Credit Hours/اجمالي عدد الساعات      |                           |   | 3                                    |                                   |

| السنة الرابعة (Senior) Fourth Year (Senior) |                           |  |                                      |                                   |
|---|---------------------------|--|--------------------------------------|-----------------------------------|
|   | Course Code<br>رقم المساق | Course Title<br>اسم المساق             | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>Fall<br>(Semester 7)             | PRAD 304                  | تخطيط حملات العلاقات العامة            | 3                                    | PRAD 301                          |
|   | PRAD 306                  | البروتوكول والإتيكيت                   | 3                                    | MCA 203                           |
|   | PRAD 307                  | تصميم الإعلان                          | 3                                    | PRAD 305 + ENG 100 (MA)           |
|   | ME 1                      | متطلب تخصص إختياري                     | 3                                    | -                                 |
|   | OE 2                      | مساق اختياري من تخصص آخر               | 3                                    | -                                 |
| Total Credit Hours/اجمالي عدد الساعات       |                           |  | 15                                   |                                   |
| الربيع/<br>Spring<br>(Semester 8)           | MAC 407                   | الاتصالات التسويقية المتكاملة          | 3                                    | PRAD 304 + ENG 100 (A)            |
|   | ME 2                      | متطلب تخصص إختياري                     | 3                                    | -                                 |
|   | ME 3                      | متطلب تخصص إختياري                     | 3                                    | -                                 |
|   | OE 3                      | مساق اختياري من تخصص آخر               | 3                                    | -                                 |
|   | PRAD 401                  | مشروع تخرج في العلاقات العامة والإعلان | 3                                    | PRAD 301 + PRAD 303               |
| Total Credit Hours/اجمالي عدد الساعات       |                           |  | 15                                   |                                   |





# BACHELOR OF ARTS IN PERSIAN



## ***Program Mission***

The program aims to prepare specialists in the Persian language, who are able to translate different types of Persian texts into Arabic and vice versa, and who are well-equipped with discourse analysis tools that enable them to analyze, linguistically and pragmatically, different types of Persian discourse, political discourse, religious discourse, military discourse, economic discourse, social discourse and media discourse. Therefore, graduates would be able to meet the needs of the ministries, government institutions and private companies which are related to Iranian society.

## ***Program Objectives***

The program's objectives are to provide students with the following competencies and skills:

- Understanding the nature of the Persian language and how to deal with it.
- Studying the modern Iranian society, its developments and achievements.
- Understanding the principles of discourse analysis.
- Understanding the knowledge assets of Arabic.
- Recognizing Islamic sects and schools.
- Linguistic analysis of sentence in the Persian language.
- Translating texts from Persian into Arabic and vice versa.
- Writing in the Persian language on different subjects.
- Speaking Persian fluently.
- Dealing with Persian dialectical, encrypted and enigmatic writings.
- Discourse analysis in Persian in its linguistic and

pragmatic dimensions.

- Scientific research foundations and procedures.
- Ability to use a computer and the internet.
- Simultaneous and consecutive interpretation from Persian to Arabic and vice versa.

## ***Program Outcomes***

When graduates complete the program's requirements they will be able to:

- Speak Persian fluently.
- Translate different types of written texts from Persian into Arabic and vice versa.
- Translate and analyze different types of Persian discourse.
- Simultaneous and consecutive interpretation from Persian to Arabic and vice versa.
- Write in the Persian language on different subjects.
- Conduct research and studies about the Persian Language.

## ***Admission Requirements***

- Students must have a general secondary school certificate or its equivalent with a minimum average score of 60%.
- Students should pass the interview conducted by the program's administrators.
- Students should pass the admission test held by the College of Arts and Science.
- Students must exhibit good conduct.



## Curriculum

**Total Credit Hours: 132**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 42 credit hours |
| Compulsory Courses             | 84 credit hours |
| Open Electives                 | 6 credit hours  |

### General Education Requirements

**42 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)         | Credit Hours |
|-------------|--|-------------------------|--------------|
| ل غ 100     | Communication Skills in Arabic I       | No Prerequisite         | 3            |
| ل غ 105     | Communication Skills in Arabic II      | ل غ 100                 | 3            |
| ل ج 100     | English I                              | Pass the placement test | 3            |
| ل ج 105     | English II                             | ل ج 100                 | 3            |
| ل ج 110     | English Skills III                     | ل ج 105                 | 3            |
| ث س 100     | Islamic Culture                        | No Prerequisite         | 3            |
| م ح 100     | Introduction to Information Technology | No Prerequisite         | 3            |
| م ر 100     | Principles of Mathematics              | No Prerequisite         | 3            |
| ع ط 100     | Natural Sciences                       | No Prerequisite         | 3            |
| خ م 100     | Professional Ethics                    | No Prerequisite         | 3            |
| ع ن 100     | General Psychology                     | No Prerequisite         | 3            |
| م إ 100     | UAE and GCC Society                    | No Prerequisite         | 3            |
| ح ع 100     | General Statistics                     | No Prerequisite         | 3            |
| م د ج 100   | University Study Skills                | No Prerequisite         | 1            |



## Compulsory Courses

84 Credit Hours

| Course Code | Course Title  | Prerequisite(s)   | Credit Hours |
|-------------|---|---|--------------|
| 200 ق ل ف   | Persian Grammar   | No Prerequisite   | 3            |
| 200 ا ح     | Iran's history and civilization                         | No Prerequisite   | 3            |
| 200 ا م     | Iranian society   | No Prerequisite   | 3            |
| 200 س م     | Listening and Speaking 1                                | 200 ق ل ف   | 3            |
| 210 س م     | Listening and Speaking 2                                | 200 س م   | 3            |
| 210 د م     | Lexicography and Semantics in Persian                   | 200 ق ل ف   | 3            |
| 220 خ ت     | Discourse Analysis                                      | 105 ل غ   | 3            |
| 220 ل ت     | Linguistic analysis                                     | 210 د م   | 3            |
| 220 ف ل ث   | The Persian Language culture                            | 210 د م   | 3            |
| 220 س م     | Listening and Speaking 3                                | 210 س م   | 3            |
| 220 س ف ح   | Modern Persian Styles 1                                 | 210 س م   | 3            |
| 220 م ت     | Introduction to Translation                             | 210 د م   | 3            |
| 300 ع غ ق   | Contrastive Linguistics                                 | 200 ق ل ف + 105 ل غ                                     | 3            |
| 300 س ف ح   | Modern Persian Styles 2                                 | 220 س ف ح   | 3            |
| 310 ن ج ت   | Translation of social and economic texts                | 300 ع غ ق + 220 م ت                                     | 3            |
| 310 ن ع ت   | Translation of military and strategic texts             | 220 م ت + 300 ع غ ق                                     | 3            |
| 310 ش ف     | Persian poetry (History and verses)                     | 210 ق ل ف + 200 س م                                     | 3            |
| 310 م ق     | Story and Drama in Persian literature                   | 220 ق ل ف + 200 س ف ح                                   | 3            |
| 310 س ف ح   | Modern Persian Styles 3                                 | 300 س ف ح   | 3            |
| 400 ن ف س   | Persian texts in the political system of Iran           | 220 ف ل ث   | 3            |
| 320 ن ف س   | Persian texts in the political thought of Iran          | 220 ف ل ث   | 3            |
| 400 د ق     | Comparative Literature                                  | 310 م ق + 310 ش ف                                       | 3            |
| 400 ن م ت   | Translation of oral texts                               | 300 ع غ ق + 220 م ت + 220 س م                           | 3            |
| 400 ت ت     | Simultaneous interpretation                             | 400 ن م ت   | 3            |
| 400 ف ت     | Spontaneous interpretation                              | 400 ت ت   | 3            |
| 400 ح ع ت   | Translation and analysis of Persian media discourse     | 310 ن ع ت + 220 ف ل ث + 220 خ ت + 400 ن م ت + 310 ن ج ت | 3            |
| 400 ح س ت   | Translation and analysis of Persian political discourse | 310 ن ج ت + 310 ن ع ت + 220 خ ت + 320 ن ف س + 400 ن م ت | 3            |
| 400 م ت     | Graduation Project                                      | 108 Credit Hours  | 3            |



## Elective Courses

6 Credit Hours

| Course Code | Course Title                                | Prerequisite(s) | Credit Hours |
|-------------|---|-----------------|--------------|
| 200 ع.إ     | Arab-Iranian relations                      | No Prerequisite | 3            |
| 400 وف      | Persian Documents on foreign policy of Iran | نفس 320         | 3            |
| 400 فس      | Principles of al-Faqih political mandate    | نفس 320         | 3            |
| 210 ب.ع     | Arabic Rhetoric                             | لغ 105          | 3            |
| 220 ش.ع     | Modern Arabic Poetry                        | لغ 105          | 3            |
| 220 أ.ن     | Literary Criticism                          | لغ 105          | 3            |

## Bachelor of Arts in Persian Study Plan

| First Year (Freshman)  |         |  |        |                         |
|------------------------|---------|--|--------|-------------------------|
|                        | Code    | Title                                  | Credit | Prerequisite(s)         |
| Fall<br>(Semester 1)   | 100 م.ج | Introduction to Information Technology | 3      | No Prerequisite         |
|                        | 100 ل.غ | Communication Skills in Arabic 1       | 3      | No Prerequisite         |
|                        | 100 م.إ | UAE and GCC Society                    | 3      | No Prerequisite         |
|                        | 100 ج.ل | English Skills 1                       | 3      | Pass the placement test |
|                        | 200 ف.ق | Persian Grammar                        | 3      | No Prerequisite         |
|                        | 100 م.ر | Principles of Mathematics              | 3      | No Prerequisite         |
| Total Credit Hours     |         |  | 18     |                         |
| Spring<br>(Semester 2) | 100 ن.ع | General Psychology                     | 3      | No Prerequisite         |
|                        | 105 ج.ل | English Skills 2                       | 3      | 100 ج.ل                 |
|                        | 200 ح.ت | Iran's history and civilization        | 3      | No Prerequisite         |
|                        | 210 د.م | Lexicography and semantics in Persian  | 3      | ق.ل ف 200               |
|                        | 100 ط.ع | Natural Sciences                       | 3      | No Prerequisite         |
|                        | 105 ل.غ | Communication Skills in Arabic 2       | 3      | 100 ل.غ                 |
| Total Credit Hours     |         |  | 18     |                         |





| Second Year (Sophomore) |           |                              |        |                     |
|-------------------------|-----------|------------------------------|--------|---------------------|
|                         | Code      | Title                        | Credit | Prerequisite(s)     |
| Fall<br>(Semester 3)    | ل ج 110   | English Skills 3             | 3      | ل ج 105             |
|                         | م ا 200   | Iranian society              | 3      | No Prerequisite     |
|                         | س م 200   | Listening and Speaking 1     | 3      | ق ل ف 200           |
|                         | ت ل 220   | Linguistic Analysis          | 3      | م د 210             |
|                         | ث ل ف 220 | The Persian Language culture | 3      | م د 210             |
|                         | م ت 220   | Introduction to Translation  | 3      | م د 210             |
| Total Credit Hours      |           |                              | 18     |                     |
| Spring<br>(Semester 4)  | ث س 100   | Islamic Culture              | 3      | No Prerequisite     |
|                         | م د ج 100 | University Study Skills      | 1      | No Prerequisite     |
|                         | ح ع 100   | General Statistics           | 3      | No Prerequisite     |
|                         | خ م 100   | Professional Ethics          | 3      | No Prerequisite     |
|                         | س م 210   | Listening and Speaking 2     | 3      | س م 200             |
|                         | ع غ ق 300 | Contrastive linguistics      | 3      | ل غ 105 + ق ل ف 200 |
| Total Credit Hours      |           |                              | 16     |                     |

| Third Year (Junior)    |           |   |        |                                |
|------------------------|-----------|---|--------|--------------------------------|
|                        | Code      | Title   | Credit | Prerequisite(s)                |
| Fall<br>(Semester 5)   | س ف ح 220 | Modern Persian Styles 1                       | 3      | س م 210                        |
|                        | س م 220   | Listening and Speaking 3                      | 3      | س م 210                        |
|                        | ت ن ج 310 | Translation of social and economic texts      | 3      | م ت 220/ع غ ق 300              |
|                        | ت ن ع 310 | Translation of military and strategic texts   | 3      | ع غ ق 300 + م ت 220            |
|                        |           | Course Elective 1                             | 3      | -                              |
| Total Credit Hours     |           |   | 15     |                                |
| Spring<br>(Semester 6) | ت خ 220   | Discourse Analysis                            | 3      | ل غ 105                        |
|                        | ن ف س 400 | Persian texts in the political system of Iran | 3      | ث ل ف 220                      |
|                        | ت ن م 400 | Translation of audio texts                    | 3      | س م 220 + م ت 220<br>ع غ ق 300 |
|                        | س ف ح 300 | Modern Persian Styles 2                       | 3      | س ف ح 220                      |
|                        | ش ف 310   | Persian poetry (History and verses)           | 3      | ق ل ف 200 + س م 210            |
| Total Credit Hours     |           |   | 15     |                                |



| Fourth Year (Senior)   |           |   |        |   |
|------------------------|-----------|---|--------|---|
|                        | Code      | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 7)   | س ف ح 310 | Modern Persian Styles 3                                 | 3      | س ف ح 300   |
|                        | ت ت 400   | Simultaneous interpretation                             | 3      | ت ن م 400   |
|                        | ن ف س 320 | Persian texts in the political thought of Iran          | 3      | ث ل ف 220   |
|                        | ق م 310   | Story and Theater in Persian literature                 | 3      | ق ل ف 200 + س ف ح 220                                       |
|                        | ت ح ع 400 | Translation and analysis of Persian media discourse     | 3      | ت خ 220 + ث ل ف 220<br>ت ن ع 310 + ت ن ح 310<br>+ ت ن م 400 |
| Total Credit Hours     |           |   | 15     |   |
| Spring<br>(Semester 8) | د ق 400   | Comparative Literature                                  | 3      | ش ف 310 + ق م 310   |
|                        | ت ف 400   | Spontaneous interpretation                              | 3      | ت ت 400   |
|                        | ت ح س 400 | Translation and analysis of Persian political discourse | 3      | ت خ 220 + ت ن ع 310<br>ت ن ح 310 + ت ن م 400<br>ن ف س 320   |
|                        | م ت 400   | Graduation Project                                      | 3      | 108 Credit Hours  |
|                        |           | Course Elective 2                                       | 3      |   |
| Total Credit Hours     |           |   | 15     |   |





# BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH AND SAFETY



## **Program Mission**

Environmental, Health and Safety Program's mission is to produce highly qualified EHS professionals. EHS programs specifically designed to provide the skills to ensure environmental protection and safety in the workplace. Moreover, the program covers the major environmental issues in the UAE and the world that focus on sustainability and renewable energy. The program is dedicated to reduce accidents, injuries and environmental impact in workplaces. Students will be provided by high quality of knowledge and workplace training, auditioning and risk assessments of different types of hazards, which can affect the health, and safety of employees.

## **Program Objectives**

Program Educational Objectives of the Bachelor of Science in Environmental Health & Safety program are:

1. To produce graduates able to demonstrate their acquired knowledge, skills and scientific techniques by becoming active professionals in the field of environmental health and safety, both in the private and public sectors.
2. To provide students with high quality of knowledge and workplace training, auditioning and risk assessments of different types of hazards.
3. To educate students about best practices to

reduce accidents, injuries and environmental impact in workplaces; and

4. To engage students with different learning activities like workshops, open days, conferences & exhibitions.

The program goals will be achieved by developing the students:

- Intellectual, conceptual, reflective and imaginative powers;
- Understanding of the fundamental scientific, legal and technological principles underlying Environmental Health issues;
- Understanding and knowledge of circumstances giving rise to health inequalities and the wider determinants of health;
- Understanding of the physical, social and human worlds and their interface with the environment;
- Knowledge of a range of stressors, their public health impacts and the identification and implementation of appropriate interventions with the purpose of eliminating, controlling or mitigating those public health impacts;
- In depth knowledge of significant areas of intervention;
- Problem solving capabilities, particularly in a multi-



disciplinary environment;

- Ability to work as an effective team member but also to operate independently where necessary;
- Communication and interpersonal skills appropriate to the audience;
- Ability to adapt to rapid changes in professional and administrative requirements; ability to maximize effectiveness through intersectoral collaboration and to recognize the role of other professionals in tackling complex Environmental Health and Public Health problems.

## Program Description

The air we breathe the soil we build upon, the food we eat, the water we drink and the physical environment around us can all affect our health. If you are committed to building and maintaining a safer and healthier environment, whether in the workplace or wider society in general, then this program is for you.

This program is specifically designed to provide the skills to ensure environmental protection and safety in the workplace. You will learn how to identify and minimize the effects of different types of hazards, which can affect the health, and safety of employees, including those related to ergonomics, thermal, chemical, electrical, mechanical and radioactive, as well as hazardous materials and waste.

During the program, you will develop a firm understanding of the connections between environmental factors, accident prevention and human health. You will study the fundamental scientific, legal and technological principles underlying environmental health issues, look at the circumstances giving rise to health inequalities, analyse the environmental impact, health risks and identify appropriate interventions. You will also develop the ability to adapt to rapid changes in legislative requirements.

Focus will be on pollution monitoring and control, food safety and inspection, occupational safety and health, hazardous materials operations and awareness, risk assessment and waste management. This program will give you invaluable insight into issues that affect us within the UAE, as well as on a regional and international level.

ADU is the only university in the UAE where you can study for a bachelor degree in EHS. Our growing industry collaborations with organizations such as Environment Agency-Abu Dhabi (EAD), Occupational Safety and Health of Abu Dhabi (OSHAD), Abu Dhabi Ports, Camfil Clean Air Solutions, Abu Dhabi Food Control Agency (ADFCA) and Abu Dhabi Quality Conformity Council (QCC) enrich the research and learning opportunities for all our students.

## Curriculum

**Total Credit Hours: 130**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 36 credit hours |
| College Requirements           | 3 credit hours  |
| Major Requirements             | 73 credit hours |
| Open Electives                 | 18 credit hours |

### General Education Requirement

**36 Credit Hours**

| Course Code | Course Title                     | Prerequisite(s) | Credit Hours |
|-------------|----------------------------------|-----------------|--------------|
| ARL 100 (A) | Communication Skills in Arabic I | No Prerequisite | 3            |



|             |  |  |   |
|-------------|--|--|---|
| ENG 200     | English II   | *EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) | 3 |
| FWS 305     | Technical Communications for Workplace             | ENG 200 + Completion of minimum 45 credit hours  | 3 |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite  | 3 |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite  | 3 |
| MTT 101     | Pre-Calculus                                       | Passing grade in MTH or Math Placement test  | 3 |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + Completion of minimum 60 credit hours  | 3 |
| FWS 301     | Developing Future Leaders                          | FWS 100 + ENG 200 and Completion of minimum 45 credit hours  | 3 |
| FWS 211     | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly          | 3 |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly          | 3 |
| STT 100     | General Statistics                                 | No Prerequisite  | 3 |
| FWS 100     | Academic Skills for Success                        | No Prerequisite  | 3 |

English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test

## College Requirements

## 3 Credit Hours

| Course Code | Course Title            | Prerequisite(s) | Credit Hours |
|-------------|-------------------------|-----------------|--------------|
| ASC 301     | Research Report Writing | STT 100         | 3            |

**Note:** Co-requisite = this course can be taken as a co-requisite

## Major Requirements

## 73 Credit Hours

| Course Code              | Course Title                   | Prerequisite(s)                       | Credit Hours |
|--------------------------|--------------------------------|---------------------------------------|--------------|
| <b>Compulsory Course</b> |                                |                                       |              |
| BIO 205                  | General Biology I              | (Co) ENG 102 / ENG 200 + (Co) FWS 100 | 3            |
| BIO 205L                 | General Biology Laboratory I   | BIO 205 Co-requisite                  | 1            |
| CHE 205                  | General Chemistry I            | (Co) ENG 102 / ENG 200 + (Co) FWS 100 | 3            |
| CHE 205L                 | General Chemistry Laboratory I | Co-requisite CHE 205                  | 1            |



|          |   |                                       |   |
|----------|---|---------------------------------------|---|
| EHS 205  | Introduction to Environmental Health & Safety | (Co) ENG 102 / ENG 200 + (Co) FWS 100 | 3 |
| EHS 300  | Housing & Sustainable Communities             | ENS 205                               | 3 |
| EHS 310  | Food Safety & Management                      | EHS 205                               | 3 |
| EHS 399  | Internship                                    | 90 Credit Hours                       | 3 |
| EHS 400  | Toxicology                                    | ENS 205                               | 3 |
| EHS 405  | Waste Management                              | ENS 205                               | 3 |
| EHS 410  | Impact Assessment                             | EHS 205 + ENS 205                     | 3 |
| EHS 415  | Environmental Health Regulation & Compliance  | EHS 205 + ENS 205                     | 3 |
| EHS 420  | Hazardous Materials                           | EHS 205                               | 3 |
| EHS 425  | Pollution Monitoring & Control                | ENS 205 + EHS 405                     | 3 |
| EHS 425L | Pollution Monitoring & Control Lab            | ENS 205 + CHE 201L                    | 1 |
| EHS 430  | Health Risk Management                        | EHS 205 + ENS 205                     | 3 |
| EHS 499  | Undergraduate Research                        | ENS 205 + EHS 205 + 60 Chrs           | 4 |
| ENS 205  | Introduction to Environmental Science         | (Co) ENG 102 / ENG 200 + (Co) FWS 100 | 3 |
| ENS 210  | Natural Resources Conservation                | ENS 205                               | 3 |
| ENS 220  | Environmental Policy                          | ENS 205                               | 3 |
| HSC 200  | Introduction to Health Management             | ENG 200 + FWS 100                     | 3 |
| HSC 201  | Determinants of Public Health                 | ENG 200 + FWS 100                     | 3 |
| HSC 205  | Biostatistics                                 | STT 100                               | 3 |
| HSC 210  | Epidemiology & Population Health              | HSC 205                               | 3 |
| HSC 305  | Occupational Health & Safety                  | EHS 205                               | 3 |
| HSC 315  | Global Issues in Environmental Health         | HSC 201 + ENS 205                     | 3 |

## Elective Courses

**18 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |
| OE4         | Open Elective IV  | -               | 3            |
| OE5         | Open Elective V   | -               | 3            |
| OE6         | Open Elective VI  | -               | 3            |



## Bachelor of Science in Environmental Health and Safety Study Plan

| First Year (Freshman)          |             |  |           |   |
|--------------------------------|-------------|--|-----------|---|
|                                | Code        | Title  | Credit    | Prerequisite(s)   |
| <b>Fall<br/>(Semester 1)</b>   | ARL 100 (A) | Communication Skills in Arabic I                   | 3         | No Prerequisite   |
|                                | ENG 200     | English II   | 3         | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                                | EHS 205     | Intro. to Environmental Health Safety              | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | ISL 100 (A) | Islamic Culture                                    | 3         | No Prerequisite   |
|                                | FWS 100     | Academic Skills for Success                        | 3         | No Prerequisite   |
| <b>Total Credit Hours</b>      |             |  | <b>15</b> |   |
| <b>Spring<br/>(Semester 2)</b> | MTT 101     | Pre-calculus                                       | 3         | Passing grade in MTH 100 or Math Placement Test   |
|                                | ITD 100     | Introduction to Information and Digital Technology | 3         | No Prerequisite   |
|                                | STT 100     | General Statistics                                 | 3         | No Prerequisite   |
|                                | ENS 205     | Introduction to Environmental Science              | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | BIO 205     | General Biology                                    | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | BIO 205 L   | General Biology Lab                                | 1         | BIO 205 (Pre/Co-req)  |
| <b>Total Credit Hours</b>      |             |  | <b>16</b> |   |



| Second Year (Sophomore) |          |  |        |   |
|-------------------------|----------|--|--------|---|
|                         | Code     | Title                                  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | FWS 205  | UAE and GCC Society                    | 3      | Pre-req ENG 102 + FWS 100 or Co-req ENG 200 + FWS 100                                       |
|                         | HSC 205  | Biostatistics                          | 3      | STT 100   |
|                         | HSC 200  | Into to Health Management              | 3      | ENG 200 + UNS 102   |
|                         | CHE 205  | General Chemistry I                    | 3      | (ENG 100 + UNS 102) Co-requisite  |
|                         | CHE 205L | General Chemistry Laboratory I         | 1      | CHE 205 Prereq/Co-requisite   |
|                         | FWS 211  | Fundamentals of Emotional Intelligence | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
| Total Credit Hours      |          |  | 16     |   |
| Spring<br>(Semester 4)  | FWS 305  | Technical Communication for Work Place | 3      | ENG 200 + Completion of minimum 45 credit hours   |
|                         | HSC 210  | Epidemiology & Population Health       | 3      | HSC 205   |
|                         | HSC 201  | Determinants of Public Health          | 3      | ENG 200 + FWS 100   |
|                         | ENS 220  | Environmental Policy                   | 3      | ENS 205   |
|                         | ENS 210  | Natural Resources Conservation         | 3      | ENS 205   |
|                         | OE1      | Open Elective I                        | 3      | -   |
| Total Credit Hours      |          |  | 18     |   |

| Third Year (Junior)    |         |   |        |   |
|------------------------|---------|---|--------|---|
|                        | Code    | Title   | Credit | Prerequisite(s)                                   |
| Fall<br>(Semester 5)   | ASC 301 | Research Report Writing                         | 3      | STT 100   |
|                        | HSC 305 | Occupational Health & Safety                    | 3      | EHS 205   |
|                        | EHS 310 | Food safety and Management                      | 3      | EHS 205   |
|                        | OE2     | Open Elective II                                | 3      | -   |
|                        | FWS 301 | Developing Future Leaders                       | 3      | FWS 100 + ENG 200 and Completion of minimum 45 CH |
| Total Credit Hours     |         |   | 15     |   |
| Spring<br>(Semester 6) | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs                    |
|                        | EHS 300 | Housing & Sustainable Communities               | 3      | ENS 205   |
|                        | EHS 405 | Waste Management                                | 3      | ENS 205   |
|                        | HSC 315 | Global Issues in Environmental Health           | 3      | HSC 201 + EHS 205                                 |
|                        | OE3     | Open Elective III                               | 3      | -   |
| Total Credit Hours     |         |   | 15     |   |
| Summer Semester        | EHS 399 | Internship                                      | 3      | 90 Credit hours                                   |
| Total Credit Hours     |         |   | 3      |   |



| Fourth Year (Senior)   |          |   |        |  |
|------------------------|----------|---|--------|--|
|                        | Code     | Title   | Credit | Prerequisite(s)                        |
| Fall<br>(Semester 7)   | EHS 420  | Hazardous Materials                             | 3      | EHS 205                                |
|                        | ENS 499  | Undergraduate Research                          | 4      | ENS 205 + EHS 205 +<br>60 Credit hours |
|                        | EHS 415  | Environmental Health Regulation &<br>Compliance | 3      | ENS 205 + EHS 205                      |
|                        | OE4      | Open Elective IV                                | 3      | -                                      |
|                        | OE5      | Open Elective V                                 | 3      | -                                      |
| Total Credit Hours     |          |   | 19     |  |
| Spring<br>(Semester 8) | EHS 400  | Toxicology                                      | 3      | ENS 205                                |
|                        | EHS 425  | Pollution Monitoring & Control                  | 3      | ENS 205 + EHS 405                      |
|                        | EHS 425L | Methods and Sampling Lab                        | 1      | ENS 205 + CHE 201L                     |
|                        | EHS 410  | Impact Assessment                               | 3      | ENS 205 + EHS 205                      |
|                        | EHS 430  | Health Risk Management                          | 3      | ENS 205 + EHS 205                      |
|                        | OE6      | Open Elective VI                                | 3      | -                                      |
| Total Credit Hours     |          |   | 16     |  |



# BACHELOR OF SCIENCE IN PUBLIC HEALTH



## **Program Mission**

The UAE has vast public health challenges. This degree will provide teaching and learning situations that will build up student's knowledge of human public health issues and practices that are relevant to the UAE. The program will provide a career focused training that fits the needs of the UAE and community development. Public health focuses on large-scale health issues, determinants, and solutions. Graduates will deal with complex health issues, such as controlling communicable diseases and improving health care policies. Students can specialize in a range of fields including health policy management, environmental health and health promotion. The internship and undergraduate capstone project must be completed within the area of specialization. Public health job opportunities are offered by but not limited to the health authorities, hospitals, insurance companies and public health research centers. The B.Sc. in Public Health is designed for students who thrive on making a positive impact on the lives of others. This program is ideal for students with an interest in the connection between the local community and general health issues. It is designed for students who want to promote and maintain a healthier community in the UAE. Whether you are interested in research, statistics, health policy or working directly with people, there is a place for you in the field of Public Health.

## **Program Objectives**

Graduates of the Public Health Program will acquire the following knowledge and skills:

- 1 Define the core areas of public health (Epidemiology, Environmental Health, Biostatistics, Health service Administration/Health Policy Management and Social & Behavioral Science).
- 2 Analyze health related issues that are common in the community of the UAE and global public health.
- 3 Define public health problems and public health assets across the ecological model and understand ethical practice and research.
- 4 Define and explain the public health functions of promotion, protection and assurance and their role in protecting the health of the public.
- 5 Explain recommended solutions for defined problems using knowledge of the broad and interconnecting causes of the UAE's health problems.
- 6 Effectively communicate (orally and in writing) health related issues and activities to professional and lay audience and explain the cultural sensitivity in public health practices.
- 7 Compare strategies for implementing and evaluating health programs therefore improving the health status in communities in the UAE.
- 8 Compare private and public health sectors that support public health within the UAE.
- 9 Demonstrate leadership skills while supporting public health problem solving.





## Curriculum

### Total Credit Hours: 120

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 36 credit hours |
| College Requirements           | 3 credit hours  |
| Major Requirements             | 66 credit hours |
| Degree Concentration           | 15 credit hours |

### General Education Requirement

### 36 Credit Hours

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) | 3            |
| FWS 305     | Technical Communications for Workplace             | ENG 200 + Completion of minimum 45 credit hours   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + Completion of minimum 60 credit hours   | 3            |
| FWS 301     | Developing Future Leaders                          | FWS 100 + ENG 200 and Completion of minimum 45 credit hours   | 3            |
| FWS 211     | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly         | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |
| FWS 100     | Academic Skills for Success                        | No Prerequisite   | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

### College Requirements

### 3 Credit Hours

| Course Code | Course Title            | Prerequisite(s) | Credit Hours |
|-------------|-------------------------|-----------------|--------------|
| ASC 301     | Research Report Writing | STT 100         | 3            |



## Major Requirements

**66 Credit Hours**

| Course Code               | Course Title                                      | Prerequisite(s)                            | Credit Hours |
|---------------------------|---|--|--------------|
| <b>Compulsory Courses</b> |   |  |              |
| BIO 205                   | General Biology I                                 | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| BIO 205L                  | General Biology Laboratory I                      | BIO 205 (Pre/Co-Requisite)                 | 1            |
| CHE 205                   | General Chemistry I                               | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| CHE 205L                  | General Chemistry Laboratory I                    | CHE 205 (Pre/Co-Requisite)                 | 1            |
| EHS 205                   | Introduction to Environmental Health and Safety   | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| ENS 205                   | Introduction to Environmental Science             | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| HSC 200                   | Introduction to Health Management                 | ENG 200 + FWS 100                          | 3            |
| HSC 201                   | Determinants of Public Health                     | ENG 200 + FWS 100                          | 3            |
| HSC 205                   | Biostatistics                                     | STT 100                                    | 3            |
| HSC 210                   | Epidemiology and Population Health                | HSC 205                                    | 3            |
| HSC 305                   | Occupational Health and Safety                    | EHS 205                                    | 3            |
| HSC 315                   | Global Issues in Environmental Health             | EHS 205 + HSC 201                          | 3            |
| PBH 101                   | Introduction to Public Health                     | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| PBH 110                   | Introduction to Happiness and Positive Psychology | (Co)ENG 102 / ENG 200 + (Co) FWS 100       | 3            |
| PBH 300                   | Health Sociology                                  | PBH 101                                    | 3            |
| PBH 310                   | Principles of Health Promotion                    | HSC 201                                    | 3            |
| PBH 320                   | Community and Public Health Nutrition             | HSC 201                                    | 3            |
| PBH 399                   | Public Health Research Seminar                    | PBH 101 + ASC 301                          | 1            |
| PBH 400                   | Internship  | 90 Credit Hours                            | 3            |
| PBH 405                   | Chronic and Infectious Diseases                   | HSC 201                                    | 3            |
| PBH 410                   | Research Methods for Public Health                | Coreq ASC 301 + (Prereq) HSC 210 + HSC 205 | 3            |
| PBH 420                   | Practice of Health Promotion                      | PBH 310                                    | 3            |
| PBH 425                   | Maternal and Child Health                         | HSC 201                                    | 3            |
| PBH 499                   | Undergraduate Research                            | PBH 410 + 60 Credit Hours                  | 3            |



## Elective Courses

**15 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |
| OE4         | Open Elective IV  | -               | 3            |
| OE5         | Open Elective V   | -               | 3            |

## Bachelor of Science in Public Health Study Plan

| First Year (Freshman)          |             |   |           |   |
|--------------------------------|-------------|---|-----------|---|
|                                | Code        | Title   | Credit    | Prerequisite(s)   |
| <b>Fall<br/>(Semester 1)</b>   | ARL 100 (A) | Communication Skills in Arabic I                  | 3         | No Prerequisite   |
|                                | ENG 200     | English II  | 3         | EPT/or Passing grade in ENG 102 + FWS 100 (E)<br>(FWS 100 (E) as co-requisite if placed in ENG 200) |
|                                | EHS 205     | Intro. to Environmental Health Safety             | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | PBH 101     | Introduction to Public Health                     | 3         | (Co)ENG 102 / ENG 200 + (Co) FWS 100  |
|                                | FWS 100     | Academic Skills for Success                       | 3         | No Prerequisite   |
| <b>Total Credit Hours</b>      |             |   | <b>15</b> |   |
| <b>Spring<br/>(Semester 2)</b> | PBH 110     | Introduction to Happiness and Positive Psychology | 3         | (Co)ENG 102 / ENG 200 + (Co) FWS 100  |
|                                | MTG 100     | Math for Life                                     | 3         | No Prerequisite   |
|                                | STT 100     | General Statistics                                | 3         | No Prerequisite   |
|                                | ENS 205     | Introduction to Environmental Science             | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | BIO 205     | General Biology                                   | 3         | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                                | BIO 205 L   | General Biology Lab                               | 1         | BIO 205 (Pre/Co-req)  |
| <b>Total Credit Hours</b>      |             |   | <b>16</b> |   |



| Second Year (Sophomore) |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
|                         | HSC 200     | Introduction to Health Management                  | 3      | ENG 200 + FWS 100   |
|                         | CHE 205     | General Chemistry                                  | 3      | (Co) ENG 102 / ENG 200 + (Co) FWS 100   |
|                         | CHE 201L    | General Chemistry Lab I                            | 1      | CHE 205 (Pre/Co-Requisite)  |
|                         | HSC 205     | Biostatistics                                      | 3      | STT 100   |
| Total Credit Hours      |             |  | 16     |   |
| Spring<br>(Semester 4)  | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
|                         | FWS 205     | UAE and GCC  | 3      | ENG 102 + FWS 100 (E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly |
|                         | FWS 305     | Technical Communications for Workplace             | 3      | ENG 200 + Completion of minimum 45 credit hours   |
|                         | HSC 201     | Determinants of Public Health                      | 3      | ENG 200 + FWS 100   |
|                         | HSC 210     | Epidemiology & Population Health                   | 3      | HSC 205   |
| Total Credit Hours      |             |  | 15     |   |

| Third Year (Junior)  |         |                                |        |                 |
|----------------------|---------|--------------------------------|--------|-----------------|
|                      | Code    | Title                          | Credit | Prerequisite(s) |
| Fall<br>(Semester 5) | HSC 305 | Occupational Health and Safety | 3      | EHS 205         |
|                      | ASC 301 | Research Report Writing        | 3      | STT 100         |
|                      | PBH 310 | Principles of Health Promotion | 3      | HSC 201         |
|                      | OE 1    | OE/Concentration               | 3      | -               |
|                      | OE 2    | OE/Concentration               | 3      | -               |
| Total Credit Hours   |         |                                | 15     |                 |



|                                |         |   |           |  |
|--------------------------------|---------|---|-----------|--|
| <b>Spring<br/>(Semester 6)</b> | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3         | ENG 200 + Completion of 60 CHs             |
|                                | PBH 399 | Public Health Research Seminar                  | 1         | PBH 101 + ASC 301                          |
|                                | PBH 410 | Research Methods for Public Health              | 3         | Coreq ASC 301 + (Prereq) HSC 205 + HSC 210 |
|                                | PBH 420 | Practice of Health Promotion                    | 3         | PBH 310                                    |
|                                | HSC 315 | Global Issues in Environmental Health           | 3         | HSC 201 + EHS 205                          |
| <b>Total Credit Hours</b>      |         |   | <b>13</b> |  |
| <b>Summer Semester</b>         | PBH 400 | Internship                                      | 3         | 90 Credit hours                            |
| <b>Total Credit Hours</b>      |         |   | <b>3</b>  |  |

| <b>Fourth Year (Senior)</b>    |             |  |               |   |
|--------------------------------|-------------|--|---------------|---|
|                                | <b>Code</b> | <b>Title</b>                                 | <b>Credit</b> | <b>Prerequisite(s)</b>                                      |
| <b>Fall<br/>(Semester 7)</b>   | PBH 300     | Health Sociology                             | 3             | PBH 101   |
|                                | PBH 425     | Maternal and Child Health                    | 3             | HSC 201   |
|                                | FWS 301     | Developing Future Leaders                    | 3             | FWS 100 + ENG 200 and Completion of minimum 45 credit hours |
|                                | OE 3        | Open Elective III                            | 3             | -   |
|                                | OE 4        | Open Elective IV                             | 3             | -   |
| <b>Total Credit Hours</b>      |             |  | <b>15</b>     |   |
| <b>Spring<br/>(Semester 8)</b> | PBH 320     | Community and Public Nutrition               | 3             | HSC 201   |
|                                | PBH 405     | Chronic and Infectious Diseases <sup>3</sup> | 3             | HSC 201   |
|                                | PBH 499     | Undergraduate Research                       | 3             | PBH 410 + 60 Credit hours                                   |
|                                | OE 5        | Open Elective V                              | 3             | -   |
| <b>Total Credit Hours</b>      |             |  | <b>12</b>     |   |











# COLLEGE OF BUSINESS

## **College Vision**

To drive excellence in innovative, relevant and impactful engaged education and scholarship and become the College/School of choice in the region and beyond.

## **College Mission**

To enhance the capability and resilience of a diverse body of students and faculty to become employable and entrepreneurial citizens, foster their value adding advantages, our institution and its stakeholders and the UAE

To achieve its mission, the College is committed to continuous improvement processes to attain the following goals:

1. Strive for Instructional excellence through:
  - a. Attracting & retaining high quality faculty.
  - b. Encouraging innovative teaching methods.
  - c. Creating a student-centered environment
  - d. Focusing on soft-skills development.
2. Design Innovative programs through:
  - a. Aligning programs with national priorities.
  - b. Investing in strategic partnerships: Dual Degrees, 2+2/1+1 programs and sponsored programs.
  - c. The design of career focused programs: Applied curricula, emphasis on experiential learning and alignment with professional certifications.
  - d. Offering multiple delivery methods.
3. Conduct Impactful Research By:
  - a. Conducting high quality research.
  - b. Conducting regionally relevant research.
  - c. Increasing the focus on applied research.
  - d. Emphasizing business sustainability theme.
4. Develop corporate partnerships by:
  - a. Actively engage business alumni.
  - b. Developing sponsored programs for industry.
  - c. Engagement incorporate sponsored research.
  - d. Ensuring curricula Currency.

## **Program Goals**

1. Students will be effective communicators adept at using information technology.
2. Students will be principled graduates who are effective in a multicultural and professional environment.

3. Students will be skilled in the use of appropriate quantitative analysis techniques in problem-solving and decision-making.
4. Students will be able to apply concepts and methods from a common body of business knowledge to develop business solutions .

## **Program Learning Outcomes**

BBA graduates should be able to:

1. Communicate organizational topics effectively in written and/or verbal form.
2. Elaborate key aspects of organizational sustainability in business environment.
3. Apply analytical and critical thinking to specialized business problems.
4. Employ information technology in solving business problems.
5. Explore how organizations are influenced by the international environment.
6. Apply the principles of teamwork and collaboration.
7. Articulate theoretical knowledge of the functional and/or cross-functional areas of business.

All program learning outcomes (PLOs) are designed to ensure that they meet the appropriate level of rigor for the specific degree as per international criteria, and the PLOs are aligned with, and mapped to, the UAE Qualifications Framework (level 7 for a Bachelor degree).

ADU has established procedures by which all its courses must comply with a standard master syllabus. The master syllabus describes the course learning outcomes, links the course learning outcomes to the program learning outcomes, and demonstrates that the outcomes are consistent with the requirements of the UAE Qualifications Framework for the level of the degree. In addition to this, the syllabus outlines all the important procedures and materials that are used to achieve these learning outcomes. It serves as a base for coordinating the teaching process, especially in multi-section and multi-instructor courses.





# BACHELOR OF BUSINESS ADMINISTRATION

The BBA BA program in General Business is designed to provide its students with unique opportunities for personal and professional growth by improving their skills of learning, analyzing, and critical thinking. The program is based on providing a breadth of essential business knowledge to help students to understand the business world around them. It is devoted to achieving excellence in the development, dissemination, and application of general business knowledge for the effective management of private, public, and non-profit organizations in the manufacturing and service sectors of the industry both locally and internationally.

## Curriculum

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 42 credit hours |
| Major Requirements             | 12 credit hours |
| Major Electives                | 15 credit hours |
| Open Electives                 | 9 credit hours  |





## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)  | Credit Hours |
|-------------|--|--|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite  | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite  | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100  | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)  | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)  | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite  | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite  | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite  | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200   | 3            |
| STT 100     | General Statistics                                 | No Prerequisite  | 3            |

\*English Proficiency Specified Score : Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

**45 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)                                      | Credit Hours |
|-------------|--|--|--------------|
| ACC 200     | Principles of Financial Accounting     | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)  | 3            |
| ACC 201     | Principles of Managerial Accounting    | ACC 200  | 3            |
| BUS 102     | Introduction to Business               | ENG 200 Co-req + FWS 100 Co-req                      | 3            |
| BUS 301     | Business Law                           | FWS 305  | 3            |
| BUS 204     | Business Research Methods              | STT 100 + BUS 102                                    | 3            |
| BUS 306     | Applied Management Science             | MGT 255 + STT 100 + ECO 201                          | 3            |
| ECO 201     | Principles of Microeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102)            | 3            |
| ECO 202     | Principles of Macroeconomics           | ENG 200 + ( MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                  | ACC 200  | 3            |
| MGT 255     | Management and Organizational Behavior | FWS 211 + ENG 200                                    | 3            |
| MGT 308     | Operations Management                  | MGT 255 + MIS 200 + BUS 200/204 co-requisite         | 3            |
| MGT 402     | International Business Management      | MGT 255 + ECO 202                                    | 3            |
| MGT 406     | Strategic Management                   | Last semester only                                   | 3            |



|         |  |                   |   |
|---------|--|-------------------|---|
| MIS 200 | Introduction to Management Information Systems | ENG 200 + ITD 100 | 3 |
| MKT 200 | Principles of Marketing                        | ENG 200           | 3 |

## Major Requirements

**12 Credit Hours**

| Course Code | Course Title               | Prerequisite(s)              | Credit Hours |
|-------------|----------------------------|------------------------------|--------------|
| FIN 301     | Managerial Finance         | FIN 200 + ECO 201            | 3            |
| HRM 313     | Human Resources Management | Co-requisite MGT 301/MGT 255 | 3            |
| MKT 301     | Consumer Behavior          | MKT 200 + FWS 305 Co-req     | 3            |
| MGT411      | Project Management         | BUS 306 Co-requisite         | 3            |

## Business Electives

**15 Credit Hours**

(Take at least one course from ACC/FIN, HRM/MGT, and MKT from the list below and only one course from (MGT399-I/P, MKT399-I/P))

| Course Code        | Course Title                                    | Prerequisite(s)                   | Credit Hours |
|--------------------|---|-----------------------------------|--------------|
| ACC 302            | Intermediate Accounting                         | ACC 200 (C grade)                 | 3            |
| ACC 306            | Cost Accounting                                 | ACC 201                           | 3            |
| ECO 401            | Labor Economics                                 | ECO 201 + BUS 204/<br>BUS 200     | 3            |
| FIN 302            | Financial Statement Analysis                    | FIN 200                           | 3            |
| FIN 303            | Risk Management                                 | FIN 200                           | 3            |
| MGT 321            | Change Management                               | MGT 301/MGT 255                   | 3            |
| MGT 314            | Entrepreneurship Management                     | MGT 301/MGT 255                   | 3            |
| HRM 404            | Employee Relations                              | HRM 313                           | 3            |
| HRM 419            | Training and Development (HRD)                  | HRM 313                           | 3            |
| MGT 422            | Management and Leadership Development           | MGT 301/MGT 255                   | 3            |
| MIS 304            | Business System Analysis and Design             | MIS 200                           | 3            |
| MKT 303            | Retail Marketing                                | MKT 200                           | 3            |
| MKT 304            | Marketing Communication                         | MKT301                            | 3            |
| MKT 305            | Marketing Research                              | MKT 200 + Co-requisite<br>BUS 204 | 3            |
| MKT 401            | International Marketing                         | MKT 200 + ECO 202                 | 3            |
| MKT405             | Service Marketing                               | MKT 200                           | 3            |
| MGT/MKT<br>399-I/P | Internship / Project in Management or Marketing | Consent of the Department         | 3            |



## Open Electives

**9 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |

Students from the old plan who are not required to take BUS 102, should have a total of 4 open electives.

\*Effective Fall 19-20





## Bachelor of Business Administration Study Plan (Abu Dhabi)

| First Year (Freshman)   |             |   |        |   |
|-------------------------|-------------|---|--------|---|
|                         | Code        | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                      | 3      | No Prerequisite   |
|                         | ENG 200**   | English II  | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if<br>placed in ENG 200) |
|                         | MTG 100     | Math for Life   | 3      | No Prerequisite   |
|                         | FWS 100*    | Academic Skills for Success                           | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital<br>Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |   | 15     |   |
| Spring<br>(Semester 2)  | FWS 205     | UAE and GCC Society                                   | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                         | BUS 102     | Introduction to Business                              | 3      | ENG 200 coreq + FWS 100<br>Co-req   |
|                         | FWS 211*    | Fundamentals of Emotional<br>Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                         | ISL 100 (A) | Islamic Culture                                       | 3      | No Prerequisite   |
|                         | STT 100     | General Statistics                                    | 3      | No Prerequisite   |
| Total Credit Hours      |             |   | 15     |   |
| Second Year (Sophomore) |             |   |        |   |
|                         | Code        | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | BUS 204     | Business Research Methods                             | 3      | STT 100 + BUS 102   |
|                         | ACC 200     | Principles of Financial Accounting                    | 3      | ENG 200 + ITD 100 + (MTG 100<br>or MTT 101 or MTT 102)                            |
|                         | ECO 201     | Principles of Microeconomics                          | 3      | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102)                                      |
|                         | MGT 255     | Management and Organizational<br>Behavior             | 3      | FWS 211 + ENG 200   |
|                         | MIS 200     | Introduction to Management<br>Information Systems     | 3      | ITD 100 + ENG 200   |
| Total Credit Hours      |             |   | 15     |   |
| Spring<br>(Semester 4)  | ACC 201     | Principles of Managerial Accounting                   | 3      | ACC 200 + BUS 102   |
|                         | ECO 202     | Principles of Macroeconomics                          | 3      | ENG 200 + ( MTG 100 or MTT<br>101 or MTT 102) + BUS 102                           |
|                         | FIN 200     | Principles of Finance                                 | 3      | ACC 200   |
|                         | MKT 200     | Principles of Marketing                               | 3      | ENG 200   |
|                         | FWS 305*    | Technical Communication for Work<br>Place             | 3      | ENG 200 + 45 CH   |
| Total Credit Hours      |             |   | 15     |   |



| Third Year (Junior)   |             |   |        |   |
|---|-------------|---|--------|---|
|   | Code        | Title   | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 5)  | HRM 313*    | Human Resources Management                      | 3      | MGT 255 / coreq MGT 301                     |
|   | FIN 301     | Managerial Finance                              | 3      | FIN 200 + ECO 201                           |
|   | MKT 301     | Consumer Behavior                               | 3      | MKT 200 + FWS 305                           |
|   | SIS 201*    | Introduction to Sustainability in Science       | 3      | Co-req ENG 200                              |
|   | FWS 310*    | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CH               |
| Total Credit Hours  |             |   | 15     |   |
| Spring<br>(Semester 6)  | FWS 201*    | Fundamentals of Life Skills                     | 3      | FWS 100                                     |
|   | BUS 306     | Applied Management Science                      | 3      | STT100 + ECO 201 + MGT 255                  |
|   | BUS 301     | Business Law                                    | 3      | FWS 305                                     |
|   | MGT 308     | Operations Management                           | 3      | MGT 255 + MIS 200 + corequisite BUS 200/204 |
|   | BUS ELECT-1 | ACC/FIN Electives                               | 3      | -   |
| Total Credit Hours  |             |   | 15     |   |
| Students will be expected to either complete a three (3) credit internship course (MGT or MKT399-I) during their senior year of study or take a project course (MGT or MKT399-P) during their last semester. Three (3) credits are awarded for MGT or MKT399 I/P. |             |   |        |   |

| Fourth Year (Senior)   |             |                                   |        |                           |
|--|-------------|-----------------------------------|--------|---------------------------|
|  | Code        | Title                             | Credit | Prerequisite(s)           |
| Fall<br>(Semester 7)   | MGT 402     | International Business Management | 3      | MGT 255 + ECO 202         |
|  | MGT/MKT399  | Internship/Project                | 3      | Consent of the Department |
|  | MGT 411     | Project Management                | 3      | Co-requisite of BUS 306   |
|  | BUS ELECT-2 | HRM/MGT Electives                 | 3      | -                         |
|  | BUS ELECT-3 | MKT Electives                     | 3      | -                         |
| Total Credit Hours   |             |                                   | 15     |                           |
| Spring<br>(Semester 8)   | MGT 406     | Strategic Management              | 3      | Last Semester only        |
|  | BUS ELECT-4 |                                   | 3      | -                         |
|  | ELECT-1     | Open Electives                    | 3      | -                         |
|  | ELECT-2     | Open Electives                    | 3      | -                         |
|  | ELECT-3     | Open Electives                    | 3      | -                         |
| Total Credit Hours   |             |                                   | 15     |                           |
| * College Requirement courses are offered in both Fall and Spring semesters. |             |                                   |        |                           |
| * Effective Fall 19-20   |             |                                   |        |                           |



## Bachelor of Science in Business Administration Study Plan (Al Ain)

| First Year (Freshman)   |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                         | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                         | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 18     |   |
| Spring<br>(Semester 2)  | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | SIS 201     | Introduction to Sustainability in Science          | 3      | Co-req ENG 200  |
|                         | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | BUS 102*    | Introduction to Business                           | 3      | ENG 200 coreq + FWS 100 Co-req  |
|                         | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 15     |   |
| Second Year (Sophomore) |             |  |        |   |
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ELECT-1     | Open Electives                                     | 3      | -   |
|                         | ACC 200     | Principles of Financial Accounting                 | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)                         |
|                         | ECO 201     | Principles of Microeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)                                   |
|                         | BUS 204     | Business Research Methods                          | 3      | STT 100 + BUS 102   |
|                         | MIS 200     | Introduction to Management Information Systems     | 3      | ITD 100 + ENG 200   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 4)  | ACC 201     | Principles of Managerial Accounting                | 3      | ACC 200 + BUS 102   |
|                         | ECO 202     | Principles of Macroeconomics                       | 3      | ENG 200 + ( MTG 100 or MTT 101 or MTT 102) + BUS 102                        |
|                         | MKT 200     | Principles of Marketing                            | 3      | ENG 200   |
|                         | FIN 200     | Principles of Finance                              | 3      | ACC 200   |
|                         | MGT 255     | Management and Organizational Behavior             | 3      | FWS 211 + ENG 200   |
| Total Credit Hours      |             |  | 15     |   |





| Third Year (Junior)    |             |   |        |  |
|------------------------|-------------|---|--------|--|
|                        | Code        | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | FIN 301     | Managerial Finance                              | 3      | FIN 200 + ECO 201                            |
|                        | MKT 301     | Consumer Behavior                               | 3      | MKT 200 + ENG 300                            |
|                        | FWS 305     | Technical Communication for Work Place          | 3      | ENG 200 + 45 CH                              |
|                        | MGT 308*    | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | HRM 313     | Human Resources Management                      | 3      | Co-requisite of MGT 301/<br>MGT 255          |
| Total Credit Hours     |             |   | 15     |  |
| Spring<br>(Semester 6) | FWS 201     | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|                        | BUS 306*    | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|                        | BUS 301     | Business Law                                    | 3      | FWS 305                                      |
|                        | FWS 310     | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
|                        | BUS ELECT-1 | ACC/FIN Electives                               | 3      | -  |
| Total Credit Hours     |             |   | 15     |  |

Students will be expected to either complete a three (3) credit Summer internship course (MGT or MKT 399-I) during their last senior year of study or take a project course (MGT or MKT 399-P) during their last semester. Three (3) credits are awarded for MGT or MKT 399 I/P.

| Fourth Year (Senior)   |             |                                   |        |                         |
|------------------------|-------------|-----------------------------------|--------|-------------------------|
|                        | Code        | Title                             | Credit | Prerequisite(s)         |
| Fall<br>(Semester 7)   | BUS ELECT-4 |                                   | 3      | -                       |
|                        | MGT 411     | Project Management                | 3      | Co-requisite of BUS 306 |
|                        | ELECT-2     | Open Electives                    | 3      | -                       |
|                        | BUS ELECT-2 | MKT Electives                     | 3      | -                       |
| Total Credit Hours     |             |                                   | 12     |                         |
| Spring<br>(Semester 8) | MGT 406     | Strategic Management              | 3      | Last Semester only      |
|                        | BUS ELECT-3 | HRM/MGT Electives                 | 3      | -                       |
|                        | ELECT-3     | Open Electives                    | 3      | -                       |
|                        | XXX399      | Internship/Project                | 3      | Consent of Dept.        |
|                        | MGT 402*    | International Business Management | 3      | MGT 255 + ECO 202       |
| Total Credit Hours     |             |                                   | 15     |                         |



# BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

## Introduction

The Management Program of the College of Business prepare its graduates for professional managerial positions in large and/or small, profit or non-profit organizations.

“Managers are outgoing creative people who have the ability to motivate and guide dozens or even hundreds of individuals in the same overall direction for the attainment of desired goals.”

The BBA program in Management is designed to fulfill this statement. It will strive to produce business graduates that will possess the right qualities and educational capabilities to excel in today's complex business environment.

## Learning Outcomes

BBA Management graduates should be able to:

1. Evaluate the business functional areas of organizations.
2. Perform managerial tasks in local and international organizations.
3. Analyze the impact of individual and group behaviors, leadership and ethical issues on sustainable organizational performance.

## Curriculum

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 45 credit hours |
| Major Requirements             | 18 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 12 credit hours |

## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                     | Prerequisite(s)  | Credit Hours |
|-------------|----------------------------------|--|--------------|
| ARL 100 (A) | Communication Skills in Arabic I | No Prerequisite  | 3            |
| ENG 200     | English II                       | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success      | No Prerequisite  | 3            |
| FWS 201*    | Fundamentals of Life Skills      | FWS 100  | 3            |
| FWS 205     | UAE and GCC Society              | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      | 3            |



|             |  |   |   |
|-------------|--|---|---|
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200 | 3 |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)   | 3 |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)   | 3 |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3 |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3 |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3 |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200  | 3 |
| STT 100     | General Statistics                                 | No Prerequisite   | 3 |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

## 45 Credit Hours

| Course Code | Course Title                                   | Prerequisite(s)                                      | Credit Hours |
|-------------|--|--|--------------|
| ACC 200     | Principles of Financial Accounting             | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)  | 3            |
| ACC 201     | Principles of Managerial Accounting            | ACC 200 + BUS 102                                    | 3            |
| BUS 102     | Introduction to Business                       | ENG 200 Co-req + FWS 100 Co-req                      | 3            |
| BUS 301     | Business Law                                   | FWS 305  | 3            |
| BUS 204     | Business Research Methods                      | STT 100 + BUS 102                                    | 3            |
| BUS 306     | Applied Management Science                     | MGT 255 + STT 100 + ECO 201                          | 3            |
| ECO 201     | Principles of Microeconomics                   | ENG 200 + ( MTG 100 or MTT 101 or MTT 102)           | 3            |
| ECO 202     | Principles of Macroeconomics                   | ENG 200 + ( MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                          | ACC 200  | 3            |
| MGT 255     | Management and Organizational Behavior         | FWS 211 + ENG 200                                    | 3            |
| MGT 308     | Operations Management                          | MGT 255 + MIS 200 + Co-requisite BUS 200/204         | 3            |
| MGT 402     | International Business Management              | MGT 255 + ECO 202                                    | 3            |
| MGT 406     | Strategic Management                           | Last semester only                                   | 3            |
| MIS 200     | Introduction to Management Information Systems | ENG 200 + ITD 100                                    | 3            |
| MKT 200     | Principles of Marketing                        | ENG 200  | 3            |



## Major Requirements

**18 Credit Hours**

| Course Code | Course Title                          | Prerequisite(s)                  | Credit Hours |
|-------------|---------------------------------------|----------------------------------|--------------|
| HRM 313     | Human Resources Management            | MGT 255 /Co-requisite of MGT 301 | 3            |
| MGT 314     | Entrepreneurship Management           | MGT 255 /MGT 301                 | 3            |
| MGT 321     | Change Management                     | MGT 255 /MGT 301                 | 3            |
| MGT 399     | Internship / Project in Management    | Consent of Department            | 3            |
| MGT 411     | Project Management                    | Co-requisite of BUS 306          | 3            |
| MGT 422     | Management and Leadership Development | MGT 255 /MGT 301                 | 3            |

## Major Electives : Select any two courses

**6 Credit Hours**

| Course Code | Course Title                   | Prerequisite(s)              | Credit Hours |
|-------------|--------------------------------|------------------------------|--------------|
| MGT 401     | Organization Theory and Design | MGT 301/MGT 255              | 3            |
| MGT 499     | Special Topics in Management   | Consent of Department        | 3            |
| MGT 488     | Internship II in Management    | MGT 399-I + Consent of Dept. | 3            |
| HRM 424     | Contemporary Issues in HRM     | HRM 313                      | 3            |

## Open Electives

**12 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |
| OE4         | Open Elective IV  | -               | 3            |

Students from the old plan who are not required to take BUS 102, should have a total of 5 open electives.

\*Effective Fall 19-20

The remaining 12 credit hours (4 courses) could be counted towards the completion of the requirement for one of the available Minors at Abu Dhabi University and/or utilized in taking free elective courses according to the following three options:

1. 12 credits (4 courses) to be used fully or partially towards satisfying the requirement for a minor within COB.
2. 12 credits (4 courses) to be counted against the completion of a non-business Minor outside COB.
3. 12 credits (4 courses) to be freely selected from any of the undergraduate courses offered at Abu Dhabi University.



## Bachelor of Business Administration in Management Study Plan (Abu Dhabi)

| First Year (Freshman)   |             |  |        |  |
|-------------------------|-------------|--|--------|--|
|                         | Code        | Title  | Credit | Prerequisite(s)  |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite  |
|                         | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) |
|                         | MTG 100     | Math for Life                                      | 3      | No Prerequisite  |
|                         | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite  |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite  |
| Total Credit Hours      |             |  | 15     |  |
| Spring<br>(Semester 2)  | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                         | BUS 102     | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req  |
|                         | FWS 211*    | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite  |
|                         | STT 100     | General Statistics                                 | 3      | No Prerequisite  |
| Total Credit Hours      |             |  | 15     |  |
| Second Year (Sophomore) |             |  |        |  |
|                         | Code        | Title  | Credit | Prerequisite(s)  |
| Fall<br>(Semester 3)    | BUS 204     | Business Research Methods                          | 3      | STT 100 + BUS 102  |
|                         | ACC 200     | Principles of Financial Accounting                 | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)                            |
|                         | ECO 201     | Principles of Microeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)                                      |
|                         | MGT 255     | Management and Organizational Behavior             | 3      | FWS 211 + ENG 200  |
|                         | MIS 200     | Introduction to Management Information Systems     | 3      | ITD 100 + ENG 200  |
| Total Credit Hours      |             |  | 15     |  |
| Spring<br>(Semester 4)  | ACC 201     | Principles of Managerial Accounting                | 3      | ACC 200 + BUS 102  |
|                         | ECO 202     | Principles of Macroeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102                            |
|                         | FIN 200     | Principles of Finance                              | 3      | ACC 200  |
|                         | MKT 200     | Principles of Marketing                            | 3      | ENG 200  |
|                         | FWS 305     | Technical Communication for Work Place             | 3      | ENG 200 + 45 CH  |
| Total Credit Hours      |             |  | 15     |  |



| Third Year (Junior)   |          |   |        |  |
|---|----------|---|--------|--|
|   | Code     | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)  | BUS 301  | Business Law                                    | 3      | FWS 305                                      |
|   | MGT 308  | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|   | HRM 313  | Human Resources Management                      | 3      | MGT 255/ Co-req MGT 301                      |
|   | SIS 201* | Introduction to Sustainability in Science       | 3      | Co-req ENG 200                               |
|   | FWS 310* | Fundamentals of innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
| Total Credit Hours  |          |   | 15     |  |
| Spring<br>(Semester 6)  | FWS 201* | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|   | BUS 306  | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|   | MGT 411  | Project Management                              | 3      | Co-requisite of BUS 306                      |
|   | MGT 314  | Entrepreneurship Management                     | 3      | MGT 255/ MGT 301                             |
|   | MGT 321  | Change Management                               | 3      | MGT 255/ MGT 301                             |
| Total Credit Hours  |          |   | 15     |  |
| Students will be expected to either complete a three (3) credit internship course (MGT 399-I) during their senior year of study or take a project course (MGT 399-P) during their last semester. Three (3) credits are awarded for MGT 399 I/P. |          |   |        |  |

| Fourth Year (Senior)   |               |                                       |        |                       |
|--|---------------|---------------------------------------|--------|-----------------------|
|  | Code          | Title                                 | Credit | Prerequisite(s)       |
| Fall<br>(Semester 7)   | MGT 402       | International Business Management     | 3      | MGT 255 + ECO 202     |
|  | MGT 399       | Internship/Project Management         | 3      | Consent of Department |
|  | Major Elect 1 | Major Elective                        | 3      | -                     |
|  | ELECT-1       | Free Electives                        | 3      | -                     |
|  | ELECT-2       | Free Electives                        | 3      | -                     |
| Total Credit Hours   |               |                                       | 15     |                       |
| Spring<br>(Semester 8)   | MGT 406       | Strategic Management                  | 3      | Last Semester only    |
|  | MGT 422       | Management and Leadership Development | 3      | MGT 255/MGT 301       |
|  | Major Elect 2 | Major Elective                        | 3      | -                     |
|  | ELECT-3       | Free Electives                        | 3      | -                     |
|  | ELECT-4       | Free Electives                        | 3      | -                     |
| Total Credit Hours   |               |                                       | 15     |                       |
| * Courses are offered in both Fall and Spring semesters.<br>* Effective Fall 19-20 |               |                                       |        |                       |



## Bachelor of Business Administration in Management Study Plan (AI Ain)

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                        | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 18     |   |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | SIS 201     | Introduction to Sustainability in Science          | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204                                |
|                        | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | BUS 102*    | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |         |  |        |  |
|-------------------------|---------|--|--------|--|
|                         | Code    | Title  | Credit | Prerequisite(s)                                      |
| Fall<br>(Semester 3)    | ELECT-1 | Open Electives                                 | 3      | -  |
|                         | ACC 200 | Principles of Financial Accounting             | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)  |
|                         | ECO 201 | Principles of Microeconomics                   | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)            |
|                         | BUS 204 | Business Research Methods                      | 3      | STT 100 + BUS 102                                    |
|                         | MIS 200 | Introduction to Management Information Systems | 3      | ITD 100 + ENG 200                                    |
| Total Credit Hours      |         |  | 15     |  |
| Spring<br>(Semester 4)  | ACC 201 | Principles of Managerial Accounting            | 3      | ACC 200 + BUS 102                                    |
|                         | ECO 202 | Principles of Macroeconomics                   | 3      | ENG 200 + ( MTG 100 or MTT 101 or MTT 102) + BUS 102 |
|                         | FIN 200 | Principles of Finance                          | 3      | ACC 200  |
|                         | MKT 200 | Principles of Marketing                        | 3      | ENG 200  |
|                         | MGT 255 | Management and Organizational Behavior         | 3      | FWS 211 + ENG 200                                    |
| Total Credit Hours      |         |  | 15     |  |



| Third Year (Junior)  |               |   |        |  |
|--|---------------|---|--------|--|
|  | Code          | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | FWS 201       | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|  | FWS 305       | Technical Communication for Work Place          | 3      | ENG 200 + Completion of 45 CH                |
|  | ELECT-3       | Free Electives                                  | 3      | -  |
|  | MGT 308*      | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|  | HRM 313       | Human Resource Management                       | 3      | MGT 255/co-requisite of MGT 301              |
| Total Credit Hours   |               |   | 15     |  |
| Spring<br>(Semester 6)   | FWS 310       | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CH                |
|  | BUS 301       | Business Law                                    | 3      | FWS 305                                      |
|  | BUS 306*      | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|  | MGT 314       | Entrepreneurship Management                     | 3      | MGT 255/MGT 301                              |
|  | Major ELECT-1 | Major Elective                                  | 3      | -  |
| Total Credit Hours   |               |   | 15     |  |
| Students will be expected to either complete a three (3) credit internship course (MGT 399-I) during their last senior year of study or take a project course (MGT 399-P) during their last semester. Three (3) credits are awarded for MGT 399 I/P. |               |   |        |  |
| Fourth Year (Senior)   |               |   |        |  |
|  | Code          | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 7)   | MGT 321       | Change Management                               | 3      | MGT 255 + MGT 301                            |
|  | MGT 411       | Project Management                              | 3      | Co-requisite of BUS 306                      |
|  | Major ELECT-2 | Major Elective                                  | 3      | -  |
|  | ELECT         | Free Elective                                   | 3      | -  |
| Total Credit Hours   |               |   | 12     |  |
| Spring<br>(Semester 8)   | MGT 406       | Strategic Management                            | 3      | Last Semester only                           |
|  | MGT 402 *     | International Business Management               | 3      | MGT 255 + ECO 202                            |
|  | MGT 422       | Management and Leadership Development           | 3      | MGT 255/MGT 301                              |
|  | MGT 399       | Internship/Project in Management                | 3      | Consent of Dept.                             |
|  | ELECT-4       | Free Electives                                  | 3      | -  |
| Total Credit Hours   |               |   | 15     |  |





# BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

## ***Introduction***

The BBA in Finance provides students with the knowledge and skills necessary to be effective members of any organization. The major educates students in the areas of finance, risk management and insurance thus preparing them for careers in profit and non-profit sectors. Students will also be exposed to the inter-linkages between finance and other business functions that influence the success of any organization.

## ***Learning Outcomes***

BBA Finance graduates should be able to:

1. Understand the financial statements and apply various problem solving techniques to analyze the financial data.
2. Interpret the main risks faced by the individuals or companies and apply the main problem solving techniques to measure and manage risks.
3. Identify the functions and operations of the financial markets (such as: stock market, bond market, foreign exchange market).

## **Curriculum**

### **Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 45 credit hours |
| Major Requirements             | 21 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 9 credit hours  |





## General Education Requirements

## 39 Credit Hours

| Course Code | Course Title                                       | Prerequisite(s)  | Credit Hours |
|-------------|--|--|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite  | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite  | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100  | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)  | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)  | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite  | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite  | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite  | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200   | 3            |
| STT 100     | General Statistics                                 | No Prerequisite  | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

## 45 Credit Hours

| Course Code | Course Title                                   | Prerequisite(s)                                     | Credit Hours |
|-------------|--|---|--------------|
| ACC 200     | Principles of Financial Accounting             | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ACC 201     | Principles of Managerial Accounting            | ACC 200 + BUS 102                                   | 3            |
| BUS 102     | Introduction to Business                       | ENG 200 Coreq + FWS 100 Co-req                      | 3            |
| BUS 301     | Business Law                                   | FWS 305   | 3            |
| BUS 204     | Business Research Methods                      | STT 100 + BUS 102                                   | 3            |
| BUS 306     | Applied Management Science                     | MGT 255 + STT 100 + ECO 201                         | 3            |
| ECO 201     | Principles of Microeconomics                   | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           | 3            |
| ECO 202     | Principles of Macroeconomics                   | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                          | ACC 200   | 3            |
| MGT 255     | Management and Organizational Behavior         | FWS 211 + ENG 200                                   | 3            |
| MGT 308     | Operations Management                          | MGT 255 + MIS 200 co-requisite + BUS 200/204        | 3            |
| MGT 402     | International Business Management              | MGT 255 + ECO 202                                   | 3            |
| MGT 406     | Strategic Management                           | Last semester only                                  | 3            |
| MIS 200     | Introduction to Management Information Systems | ENG 200 + ITD 100                                   | 3            |
| MKT 200     | Principles of Marketing                        | ENG 200   | 3            |



## Major Requirements

**21 Credit Hours**

| Course Code | Course Title                         | Prerequisite(s)       | Credit Hours |
|-------------|--------------------------------------|-----------------------|--------------|
| FIN 301     | Managerial Finance                   | FIN 200 + ECO 201     | 3            |
| FIN 302     | Financial Statement Analysis         | FIN 200               | 3            |
| FIN 303     | Risk Management                      | FIN 200               | 3            |
| FIN 304     | Management of Financial Institutions | FIN 200               | 3            |
| FIN 399     | Internship/Project in Finance        | Consent of Department | 3            |
| FIN 401     | Investment and Finance Policy        | FIN 301               | 3            |
| FIN 407     | International Financial Management   | FIN 301 + ECO 202     | 3            |

## Major Electives: Select any two courses

**6 Credit Hours**

| Course Code | Course Title                               | Prerequisite(s)  | Credit Hours |
|-------------|--|--|--------------|
| ACC 302     | Intermediate Accounting                    | ACC 200 ( C grade)   | 3            |
| ACC 310     | Introduction to CIMA Professional Diplomas | ACC 201 + FIN 200 + MIS 200<br>+ MGT 255 + MKT 200 + coreq<br>ACC302/FIN 302 | 3            |
| FIN 350     | Personal Finance                           | FIN 200  | 3            |
| FIN 400     | Computer Application In Finance            | FIN 301  | 3            |
| FIN 420     | Introduction to Econometrics               | FIN 200 + BUS 204  | 3            |
| FIN 488     | Internship II in Finance                   | FIN 399-I + Consent of Department  | 3            |
| FIN 499     | Special Topics in Finance                  | Consent of Department  | 3            |

## Open Electives

**9 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |

The remaining 9 credit hours (3 courses) could be counted towards the completion of the requirement for one of the available Minors at Abu Dhabi University and/or utilized in taking free elective courses according to the following three options

1. 9 credits (3 courses) to be used fully or partially towards satisfying the requirement for a minor within COB.
2. 9 credits (3 courses) to be counted against the completion of a non-business Minor outside COB.
3. 9 credits (3 courses) to be freely selected from any of the undergraduate courses offered at Abu Dhabi University.



## Bachelor of Business Administration in Finance Study Plan (Abu Dhabi)

| First Year (Freshman)   |             |  |        |  |
|-------------------------|-------------|--|--------|--|
|                         | Code        | Title  | Credit | Prerequisite(s)  |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite  |
|                         | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) |
|                         | MTG 100*    | Math for Life                                      | 3      | No Prerequisite  |
|                         | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite  |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite  |
| Total Credit Hours      |             |  | 15     |  |
| Spring<br>(Semester 2)  | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                         | BUS 102     | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req  |
|                         | FWS 211*    | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite  |
|                         | STT 100     | General Statistics                                 | 3      | No Prerequisite  |
| Total Credit Hours      |             |  | 15     |  |
| Second Year (Sophomore) |             |  |        |  |
|                         | Code        | Title  | Credit | Prerequisite(s)  |
| Fall<br>(Semester 3)    | BUS 204     | Business Research Methods                          | 3      | STT 100 + BUS 102  |
|                         | ACC 200     | Principles of Financial Accounting                 | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)                            |
|                         | ECO 201     | Principles of Microeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)                                      |
|                         | MGT 255     | Management and Organizational Behavior             | 3      | FWS 210 + ENG 200  |
|                         | MIS 200     | Intro. to Management Information Systems           | 3      | ITD 100 + ENG 200  |
| Total Credit Hours      |             |  | 15     |  |
| Spring<br>(Semester 4)  | ACC 201     | Principles of Managerial Accounting                | 3      | ACC 200 + BUS 102  |
|                         | ECO 202     | Principles of Macroeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MT T102) BUS 102                              |
|                         | FIN 200     | Principles of Finance                              | 3      | ACC 200  |
|                         | MKT 200     | Principles of Marketing                            | 3      | ENG 200  |
|                         | FWS 305*    | Technical Communication for Work Place             | 3      | ENG 200 + 45 CH  |
| Total Credit Hours      |             |  | 15     |  |



| Third Year (Junior)   |          |   |        |  |
|---|----------|---|--------|--|
|   | Code     | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)  | BUS 301  | Business Law                                    | 3      | FWS 305                                      |
|   | MGT 308  | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|   | FIN 301  | Managerial Finance                              | 3      | FIN 200 + ECO 201                            |
|   | FIN 303  | Risk Management                                 | 3      | FIN 200                                      |
|   | FWS 310* | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
| Total Credit Hours  |          |   | 15     |  |
| Spring<br>(Semester 6)  | FWS 201* | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|   | BUS 306  | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|   | FIN 302  | Financial Statement Analysis                    | 3      | FIN 200                                      |
|   | FIN 304  | Management Of Financial Institutions            | 3      | FIN 200                                      |
|   | SIS 201* | Introduction to Sustainability in Science       | 3      | Co-req ENG 200                               |
| Total Credit Hours  |          |   | 15     |  |
| Students will be expected to either complete a three (3) credit Summer internship course (FIN 399-I) during their last senior year of study or take a project course (FIN 399-P) during their last semester. Three (3) credits are awarded for FIN 399 I/P. |          |   |        |  |

| Fourth Year (Senior)   |               |                                    |        |                       |
|------------------------|---------------|------------------------------------|--------|-----------------------|
|                        | Code          | Title                              | Credit | Prerequisite(s)       |
| Fall<br>(Semester 7)   | MGT402        | International Business Management  | 3      | MGT 255 + ECO 202     |
|                        | FIN 401       | Investment and Financial Policy    | 3      | FIN 301               |
|                        | FIN 399       | Internship/Project in Finance      | 3      | Consent of Department |
|                        | Major ELECT-1 | Major Elective                     | 3      | -                     |
|                        | Major ELECT-2 | Major Elective                     | 3      | -                     |
| Total Credit Hours     |               |                                    | 15     |                       |
| Spring<br>(Semester 8) | MGT 406       | Strategic Management               | 3      | Last Semester only    |
|                        | FIN 407       | International Financial Management | 3      | FIN 301 + ECO 202     |
|                        | ELECT-1       | Free Elective                      | 3      | -                     |
|                        | ELECT-2       | Free Elective                      | 3      | -                     |
|                        | ELECT-3       | Free Elective                      | 3      | -                     |
| Total Credit Hours     |               |                                    | 15     |                       |



## Bachelor of Business Administration in Finance Study Plan (Al Ain)

| First Year (Freshman)   |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                         | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                         | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 18     |   |
| Spring<br>(Semester 2)  | FWS 205*    | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | SIS 201     | Introduction to Sustainability in Science          | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204                                |
|                         | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | BUS 102*    | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                         | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 15     |   |
| Second Year (Sophomore) |             |  |        |   |
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ELECT-1     | Major Elective                                     | 3      | -   |
|                         | ACC 200     | Principles of Financial Accounting                 | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)                         |
|                         | ECO 201     | Principles of Microeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)                                   |
|                         | BUS 204     | Business Research Methods                          | 3      | STT 100 + BUS 102   |
|                         | MIS 200     | Intro. to Management Information Systems           | 3      | ITD 100 + ENG 200   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 4)  | ACC 201     | Principles of Managerial Accounting                | 3      | ACC 200 BUS 102   |
|                         | ECO 202     | Principles of Macroeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MT T102) BUS 102                           |
|                         | FIN 200     | Principles of Finance                              | 3      | ACC 200   |
|                         | MKT 200     | Principles of Marketing                            | 3      | ENG 200   |
|                         | MGT 255     | Management and Organizational Behavior             | 3      | FWS 211 + ENG 200   |
| Total Credit Hours      |             |  | 15     |   |



| Third Year (Junior)   |               |   |        |  |
|---|---------------|---|--------|--|
|   | Code          | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)  | FWS 201       | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|   | MGT 308*      | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|   | FIN 301       | Managerial Finance                              | 3      | FIN 200 + ECO 201                            |
|   | FIN 303       | Risk Management                                 | 3      | FIN 200                                      |
|   | FWS 305       | Technical Communication for Work Place          | 3      | ENG 200 + Completion of 45 CH                |
| Total Credit Hours  |               |   | 15     |  |
| Spring<br>(Semester 6)  | BUS 301       | Business Law                                    | 3      | FWS 305                                      |
|   | BUS 306*      | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|   | FIN 302       | Financial Statement Analysis                    | 3      | FIN 200                                      |
|   | FIN 304       | Management Of Financial Institutions            | 3      | FIN 200                                      |
|   | FWS 310*      | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CH                |
| Total Credit Hours  |               |   | 15     |  |
| Students will be expected to either complete a three (3) credit Summer internship course (FIN 399-I) during their last senior year of study or take a project course (FIN 399-P) during their last semester. Three (3) credits are awarded for FIN 399 I/P. |               |   |        |  |
| Fourth Year (Senior)  |               |   |        |  |
|   | Code          | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 7)  | FIN 401       | Investment and Financial Policy                 | 3      | FIN 301                                      |
|   | ELECT-2       | Free Electives                                  | 3      | -  |
|   | ELECT-3       | Free Electives                                  | 3      | -  |
|   | Major ELECT-1 | Major Elective                                  | 3      | -  |
| Total Credit Hours  |               |   | 12     |  |
| Spring<br>(Semester 8)  | MGT 406       | Strategic Management                            | 3      | Last Semester only                           |
|   | FIN 407       | International Financial Management              | 3      | FIN 301 + ECO 202                            |
|   | Major ELECT-2 | Major Elective                                  | 3      | -  |
|   | FIN 399       | Internship/Project in Finance                   | 3      | Consent of Department                        |
|   | MGT402        | International Business Management               | 3      | MGT 255 + ECO 202                            |
| Total Credit Hours  |               |   | 15     |  |



# BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

## **Introduction**

The BBA in Accounting program produces outstanding graduates by offering comprehensive, state-of-the-art professional courses. The program seeks to provide its students with unique opportunities for personal and professional growth based on increasing their knowledge and understanding of the world around them and by improving their skills for learning, analyzing, and critical thinking. While technology is having a significant impact on the accounting profession through the restructuring of traditional accounting services and the development and impact from the knowledge revolution, the BBA in Accounting is committed to achieving excellence in the development, dissemination, and application of accounting knowledge about the functioning of private, public, and non-profit organizations.

## **Curriculum**

**Total Credit Hours: 120**

|                         |                 |
|-------------------------|-----------------|
| University Requirements | 39 credit hours |
| College Requirements    | 45 credit hours |
| Major Requirements      | 24 credit hours |
| Major Electives         | 3 credit hours  |
| Open Electives          | 9 credit hours  |

## **Learning Outcomes**

BBA Accounting graduates should be able to:

1. Apply accounting concepts, principles, standards, and processes to different types of organizations.
2. Use appropriate accounting techniques for planning, decision making, and control within organizations.
3. Evaluate the financial and managerial performance of organizations by analyzing its accounting information.
4. Critically analyze accounting issues within ethical value framework; and be capable of effectively communicating the conclusions reached.







## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed<br>in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite   | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200  | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |

English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

**45 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)  | Credit Hours |
|-------------|--|--|--------------|
| ACC 200     | Principles of Financial Accounting     | ENG 200 + ITD 100 + (MTG 100<br>or MTT 101 or MTT 102) | 3            |
| ACC 201     | Principles of Managerial Accounting    | ACC 200 + BUS 102                                      | 3            |
| BUS 102     | Introduction to Business               | ENG 200 Co-req + FWS 100<br>Co-req                     | 3            |
| BUS 301     | Business Law                           | FWS 305  | 3            |
| BUS 204     | Business Research Methods              | STT 100 + BUS 102                                      | 3            |
| BUS 306     | Applied Management Science             | MGT 255 + STT 100 + ECO 201                            | 3            |
| ECO 201     | Principles of Microeconomics           | ENG 200 + (MTG 100 or MTT 1 01<br>or MTT 102)          | 3            |
| ECO 202     | Principles of Macroeconomics           | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                  | ACC 200  | 3            |
| MGT 255     | Management and Organizational Behavior | FWS 211 + ENG 200                                      | 3            |
| MGT 308     | Operations Management                  | MGT 255 + MIS 200 + Co-<br>requisite BUS 200/204       | 3            |
| MGT 402     | International Business Management      | MGT 255 + ECO 202                                      | 3            |
| MGT 406     | Strategic Management                   | Last semester only                                     | 3            |



|         |  |                   |   |
|---------|--|-------------------|---|
| MIS 200 | Introduction to Management Information Systems | ENG 200 + ITD 100 | 3 |
| MKT 200 | Principles of Marketing                        | ENG 200           | 3 |

## Major Requirements

**24 Credit Hours**

| Course Code | Course Title                     | Prerequisite(s)       | Credit Hours |
|-------------|----------------------------------|-----------------------|--------------|
| ACC 302     | Intermediate Accounting          | ACC 200 (C grade)     | 3            |
| ACC 304     | Intermediate Accounting II       | ACC 302               | 3            |
| ACC 306     | Cost Accounting                  | ACC 201               | 3            |
| ACC 308     | Accounting Information Systems   | ACC 302 + MIS 200     | 3            |
| ACC 399     | Internship/Project in Accounting | Consent of Department | 3            |
| ACC 401     | Advanced Accounting              | ACC 304               | 3            |
| ACC 404     | Auditing                         | ACC 304               | 3            |
| ACC 407     | International Accounting         | ACC 304               | 3            |

## Major Electives (select one course)

**3 Credit Hours**

| Course Code | Course Title                               | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ACC 310     | Introduction to CIMA Professional Diplomas | ACC 201 + FIN 200 + MIS 200 + MGT 255+ MKT 200 + co-requisite ACC 302/FIN 302 | 3            |
| ACC 400     | Government and Not for Profit Accounting   | ACC 304   | 3            |
| ACC 488     | Internship II in Accounting                | ACC 399-I + Consent of Dept.  | 3            |
| ACC 499     | Special Topics in Accounting               | Consent of Department   | 3            |
| FIN 302     | Financial Statement Analysis               | FIN 200   | 3            |

## Open Electives

**9 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE1         | Open Elective I   | -               | 3            |
| OE2         | Open Elective II  | -               | 3            |
| OE3         | Open Elective III | -               | 3            |

Students from the old plan who are not required to take BUS 102, should have a total of 4 open electives

\* Effective Fall 19-20

The remaining 12 credit hours (4 courses) could be counted towards the completion of the requirement for one of the available Minors at Abu Dhabi University and/or utilized in taking free elective courses according to the following three options:

1. 9 credits (3 courses) to be used fully or partially towards satisfying the requirement for a minor within COB.
2. 9 credits (3 courses) to be counted against the completion of a non-business Minor outside COB.
3. 9 credits (3 courses) to be freely selected from any of the undergraduate courses offered at Abu Dhabi University.



## Bachelor of Business Administration in Accounting Study Plan (Abu Dhabi)

| First Year (Freshman)  |             |  |        |  |
|------------------------|-------------|--|--------|--|
|                        | Code        | Title  | Credit | Prerequisite(s)  |
| Fall<br>(Semester 1)   | ARL100 (A)  | Communication Skills in Arabic I                   | 3      | No Prerequisite  |
|                        | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if placed in ENG 200) |
|                        | MTG 100     | Math for Life                                      | 3      | No Prerequisite  |
|                        | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite  |
|                        | ITD 100*    | Introduction to Information and Digital Technology | 3      | No Prerequisite  |
| Total Credit Hours     |             |  | 15     |  |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                        | BUS 102     | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req  |
|                        | FWS 211*    | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                      |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite  |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite  |
| Total Credit Hours     |             |  | 15     |  |

| Second Year (Sophomore) |          |  |        |   |
|-------------------------|----------|--|--------|---|
|                         | Code     | Title                                    | Credit | Prerequisite(s)                                     |
| Fall<br>(Semester 3)    | BUS 204  | Business Research Methods                | 3      | STT 100 + BUS 102                                   |
|                         | ACC 200  | Principles of Financial Accounting       | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) |
|                         | ECO 201  | Principles of Microeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                         | MGT 255  | Management and Organizational Behavior   | 3      | FWS 211 + ENG 200                                   |
|                         | MIS 200  | Intro. to Management Information Systems | 3      | ITD 100 + ENG 200                                   |
| Total Credit Hours      |          |  | 15     |   |
| Spring<br>(Semester 4)  | ACC 201  | Principles of Managerial Accounting      | 3      | ACC 200 + BUS 102                                   |
|                         | ECO 202  | Principles of Macroeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 |
|                         | FIN 200  | Principles of Finance                    | 3      | ACC 200   |
|                         | MKT 200  | Principles of Marketing                  | 3      | ENG 200   |
|                         | FWS 305* | Technical Communications for Work Place  | 3      | ENG 200 + 45 CH                                     |
| Total Credit Hours      |          |  | 15     |   |



| Third Year (Junior)   |          |  |        |  |
|---|----------|--|--------|--|
|   | Code     | Title  | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 5)  | BUS 301  | Business Law                                       | 3      | FWS 305  |
|   | MGT 308  | Operations Management                              | 3      | MGT 255+ MIS 200 +<br>co-requisite BUS 200/204 |
|   | ACC 302  | Intermediate Accounting I                          | 3      | ACC 200 (C grade)                              |
|   | SIS 201* | Introduction to Sustainability in Science          | 3      | Co-req- ENG 200                                |
|   | FWS 310* | Fundamentals of Innovation and<br>Entrepreneurship | 3      | ENG 200 + 60 CH                                |
| Total Credit Hours  |          |  | 15     |  |
| Spring<br>(Semester 6)  | FWS 201* | Fundamentals of Life Skills                        | 3      | FWS 100  |
|   | BUS 306  | Applied Management Science                         | 3      | STT1 00 + ECO 201 + MGT<br>255                 |
|   | ACC 304  | Intermediate Accounting II                         | 3      | ACC 302  |
|   | ACC 306  | Cost Accounting                                    | 3      | ACC 201  |
|   | ACC 308  | Accounting Information System                      | 3      | ACC 302 + MIS 200                              |
| Total Credit Hours  |          |  | 15     |  |
| Students will be expected to either complete a three (3) credit internship course (ACC 399-I) during their senior year of study or take a project course (ACC 399-P) during their last semester. Three (3) credits are awarded for ACC 399 I/P. |          |  |        |  |

| Fourth Year (Senior)                                     |               |                                   |        |                           |
|--|---------------|-----------------------------------|--------|---------------------------|
|  | Code          | Title                             | Credit | Prerequisite(s)           |
| Fall<br>(Semester 7)                                     | MGT 402       | International Business Management | 3      | MGT 255 + ECO 202         |
|  | ACC 401       | Advanced Accounting               | 3      | ACC 304                   |
|  | ACC 404       | Auditing                          | 3      | ACC 304                   |
|  | ACC 407       | International Accounting          | 3      | ACC 304                   |
|  | ACC 399       | Internship/Project in Accounting  | 3      | Consent of the Department |
| Total Credit Hours                                       |               |                                   | 15     |                           |
| Spring<br>(Semester 8)                                   | MGT 406       | Strategic Management              | 3      | Last Semester only        |
|  | Major ELECT-1 | Major Elective                    | 3      | -                         |
|  | ELECT-1       | Free Elective                     | 3      | -                         |
|  | ELECT-2       | Free Elective                     | 3      | -                         |
|  | ELECT-3       | Free Elective                     | 3      | -                         |
| Total Credit Hours                                       |               |                                   | 15     |                           |
| * Courses are offered in both Fall and Spring semesters. |               |                                   |        |                           |



## Bachelor of Business Administration in Accounting Study Plan (Al Ain)

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                        | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 18     |   |
| Spring<br>(Semester 2) | FWS 205*    | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | SIS 201     | Introduction to Sustainability in Science          | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204                                |
|                        | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | BUS 102*    | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |         |  |        |   |
|-------------------------|---------|--|--------|---|
|                         | Code    | Title                                    | Credit | Prerequisite(s)                                     |
| Fall<br>(Semester 3)    | ACC 200 | Principles of Financial Accounting       | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) |
|                         | ECO 201 | Principles of Microeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                         | BUS 204 | Business Research Methods                | 3      | STT 100   |
|                         | ELECT-1 | Free Electives                           | 3      | -   |
|                         | MIS 200 | Intro. to Management Information Systems | 3      | ITD 100 + ENG 200                                   |
| Total Credit Hours      |         |  | 15     |   |
| Spring<br>(Semester 4)  | ECO 202 | Principles of Macroeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                         | FIN 200 | Principles of Finance                    | 3      | ACC 200   |
|                         | MKT 200 | Principles of Marketing                  | 3      | ENG 200   |
|                         | ACC 201 | Principles of Managerial Accounting      | 3      | ACC 200   |
|                         | MGT 255 | Management and Organizational Behavior   | 3      | FWS 211 + ENG 200                                   |
| Total Credit Hours      |         |  | 15     |   |



| Third Year (Junior)   |          |   |        |  |
|---|----------|---|--------|--|
|   | Code     | Title   | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 5)  | FWS 201  | Fundamentals of Life Skills                     | 3      | FWS 100  |
|   | ACC 306  | Cost Accounting                                 | 3      | ACC 201  |
|   | MGT 308* | Operations Management                           | 3      | MGT 255+ MIS 200 +<br>co-requisite BUS 200/204 |
|   | ACC 302  | Intermediate Accounting I                       | 3      | ACC 200 (C grade)                              |
|   | FWS 305  | Technical Communication for Work Place          | 3      | ENG 200 + Completion of 45 CH                  |
| Total Credit Hours  |          |   | 15     |  |
| Spring<br>(Semester 6)  | BUS 301  | Business Law                                    | 3      | FWS 305  |
|   | ACC 308  | Accounting Information System                   | 3      | ACC 302 + MIS 200                              |
|   | BUS 306* | Applied Management Science                      | 3      | STT1 00 + ECO 201 + MGT 255                    |
|   | ACC 304  | Intermediate Accounting II                      | 3      | ACC 302  |
|   | FWS 310* | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CH                  |
| Total Credit Hours  |          |   | 15     |  |
| Students will be expected to either complete a three (3) credit internship course (ACC 399-I) during their senior year of study or take a project course (ACC 399-P) during their last semester. Three (3) credits are awarded for ACC 399 I/P. |          |   |        |  |

| Fourth Year (Senior)                                     |               |                                   |        |                      |
|--|---------------|-----------------------------------|--------|----------------------|
|  | Code          | Title                             | Credit | Prerequisite(s)      |
| Fall<br>(Semester 7)                                     | ACC 401       | Advanced Accounting               | 3      | ACC 304              |
|  | ACC 404       | Auditing                          | 3      | ACC 304              |
|  | ELECT-2       | Free Elective                     | 3      | -                    |
|  | ELECT-3       | Free Elective                     | 3      | -                    |
| Total Credit Hours                                       |               |                                   | 12     |                      |
| Spring<br>(Semester 8)                                   | MGT 406       | Strategic Management              | 3      | Last Semester only   |
|  | Major ELECT-1 | Major Elective                    | 3      | -                    |
|  | ACC 407       | International Accounting          | 3      | ACC 304              |
|  | MGT 402*      | International Business Management | 3      | MGT 255 + ECO 202    |
|  | ACC 399       | Internship/Project in Accounting  | 3      | Consent of the Dept. |
| Total Credit Hours                                       |               |                                   | 15     |                      |
| * Courses are offered in both Fall and Spring semesters. |               |                                   |        |                      |



# BACHELOR OF BUSINESS ADMINISTRATION IN HUMAN RESOURCES MANAGEMENT

## **Introduction**

The BBA in HRM will provide students with unique opportunities for personal and professional growth by improving their skills of learning, analyzing, and critical thinking. The program is based on providing a breadth of essential business knowledge to help students understand the needs for Human Capital Development and Management in particular, and the business world around them in general. It will be devoted to achieving excellence in the development, dissemination, and application of general business knowledge for the

effective management of private, public and non-profit organizations in the manufacturing and service sectors of the industry, both locally and internationally.

### **BBA Human Resources Management graduates should be able to:**

1. Apply HR functions in organizations.
2. Evaluate HR practices in local and international organizations.
3. Analyze human behavior and labor-management practices in organizations.

## **Curriculum**

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 45 credit hours |
| Major Requirements             | 18 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 12 credit hours |





## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite   | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200  | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

**45 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)                                     | Credit Hours |
|-------------|--|---|--------------|
| ACC 200     | Principles of Financial Accounting     | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ACC 201     | Principles of Managerial Accounting    | ACC 200 + BUS 102                                   | 3            |
| BUS 102     | Introduction to Business               | ENG 200 Co-req + FWS 100 Co-req                     | 3            |
| BUS 301     | Business Law                           | FWS 305   | 3            |
| BUS 204     | Business Research Methods              | STT 100 + BUS 102                                   | 3            |
| BUS 306     | Applied Management Science             | MGT 255 + STT 100 + ECO 201                         | 3            |
| ECO 201     | Principles of Microeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           | 3            |
| ECO 202     | Principles of Macroeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                  | ACC 200   | 3            |
| MGT 255     | Management and Organizational Behavior | FWS 211 + ENG 200                                   | 3            |
| MGT 308     | Operations Management                  | MGT 255 + MIS 200 + Co-requisite BUS 200/204        | 3            |
| MGT 402     | International Business Management      | MGT 255 + ECO 202                                   | 3            |
| MGT 406     | Strategic Management                   | Last semester only                                  | 3            |





|         |  |                   |   |
|---------|--|-------------------|---|
| MIS 200 | Introduction to Management Information Systems | ENG 200 + ITD 100 | 3 |
| MKT 200 | Principles of Marketing                        | ENG 200           | 3 |

## Major Requirements

**18 Credit Hours**

| Course Code | Course Title                          | Prerequisite(s)                  | Credit Hours |
|-------------|---------------------------------------|----------------------------------|--------------|
| HRM 313     | Human Resources Management            | Co-requisite MGT 301/<br>MGT 255 | 3            |
| HRM 315     | Staffing                              | HRM 313                          | 3            |
| HRM 404     | Employee Relations                    | HRM 313                          | 3            |
| HRM 419     | Training and Development              | HRM 313                          | 3            |
| MGT 422     | Management and Leadership Development | MGT 301/MGT 255                  | 3            |
| HRM 399     | Internship / Project in HRM           | Consent of Department            | 3            |

## Major Electives: Select any two courses

**6 Credit Hours**

| Course Code | Course Title                 | Prerequisite(s)         | Credit Hours |
|-------------|------------------------------|-------------------------|--------------|
| ECO 401     | Labor Economics              | ECO 201 + BUS 204/200   | 3            |
| HRM 424     | Contemporary Research in HRM | HRM 313                 | 3            |
| MGT 321     | Change Management            | MGT 255/MGT 301         | 3            |
| MGT 411     | Project Management           | Co-requisite of BUS 306 | 3            |

## Open Electives

**12 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE 1        | Open Elective I   | -               | 3            |
| OE 2        | Open Elective II  | -               | 3            |
| OE 3        | Open Elective III | -               | 3            |
| OE 4        | Open Elective IV  | -               | 3            |

Students from the old plan who are not required to take BUS 102, should have a total of 4 open electives

\*Effective Fall 19-20

The remaining 12 credit hours (4 courses) could be counted towards the completion of the requirement for one of the available Minors at Abu Dhabi University and/or utilized in taking free elective courses according to the following options:

- 12 credits (4 courses) to be used fully or partially towards satisfying the requirement for a minor within COB.
- 12 credits (4 courses) to be counted against the completion of a non-business Minor outside COB, at least one extra course will be required in that case.
- 12 credits (4 courses) to be freely selected from any of the undergraduate courses offered at Abu Dhabi University.



## Bachelor of Business Administration in Human Resources Management Study Plan (Abu Dhabi)

| First Year (Freshman)  |             |   |        |   |
|------------------------|-------------|---|--------|---|
|                        | Code        | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL100 (A)  | Communication Skills in Arabic I                      | 3      | No Prerequisite   |
|                        | ENG 200**   | English II  | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if<br>placed in ENG 200) |
|                        | MTG 100     | Math for Life   | 3      | No Prerequisite   |
|                        | FWS 100*    | Academic Skills for Success                           | 3      | No Prerequisite   |
|                        | ITD 100*    | Introduction to Information and Digital<br>Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |   | 15     |   |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                   | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                        | BUS 102     | Introduction to Business                              | 3      | ENG 200 Co-req + FWS 100<br>Co-req  |
|                        | FWS 211*    | Fundamentals of Emotional<br>Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                        | ISL 100 (A) | Islamic Culture                                       | 3      | No Prerequisite   |
|                        | STT 100     | General Statistics                                    | 3      | No Prerequisite   |
| Total Credit Hours     |             |   | 15     |   |

| Second Year (Sophomore) |          |   |        |  |
|-------------------------|----------|---|--------|--|
|                         | Code     | Title                                       | Credit | Prerequisite(s)  |
| Fall<br>(Semester 3)    | BUS 204  | Business Research Methods                   | 3      | STT 100 + BUS 102                                      |
|                         | ACC 200  | Principles of Financial Accounting          | 3      | ENG 200 + ITD 100 + (MTG 100<br>or MTT 101 or MTT 102) |
|                         | ECO 201  | Principles of Microeconomics                | 3      | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102)           |
|                         | MGT 255  | Management and Organizational<br>Behavior   | 3      | FWS 211 + ENG 200                                      |
|                         | MIS 200  | Intro. to Management Information<br>Systems | 3      | ITD 100 + ENG 200                                      |
| Total Credit Hours      |          |   | 15     |  |
| Spring<br>(Semester 4)  | ACC 201  | Principles of Managerial Accounting         | 3      | ACC 200 + BUS 102                                      |
|                         | ECO 202  | Principles of Macroeconomics                | 3      | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102) + BUS 102 |
|                         | MKT 200  | Principles of Marketing                     | 3      | ENG 200  |
|                         | FIN 200  | Principles of Finance                       | 3      | ACC 200  |
|                         | FWS 305* | Technical Communications for Work<br>Place  | 3      | ENG 200 + 45 CH  |
| Total Credit Hours      |          |   | 15     |  |



| Third Year (Junior)    |          |   |        |  |
|------------------------|----------|---|--------|--|
|                        | Code     | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | BUS 301  | Business Law                                    | 3      | FWS 305                                      |
|                        | MGT 308  | Operations Management                           | 3      | MGT 200 + MIS 200 + BUS 200/204 co-requisite |
|                        | SIS 201* | Introduction to Sustainability in Science       | 3      | Co-requisite ENG 200                         |
|                        | HRM 313  | Human Resources Management                      | 3      | MGT 200 + MGT 301 Co-requisite               |
|                        | FWS 310  | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
| Total Credit Hours     |          |   | 15     |  |
| Spring<br>(Semester 6) | FWS 201* | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|                        | BUS 306  | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|                        | HRM 315  | Staffing  | 3      | HRM 313                                      |
|                        | MGT 422  | Management and Leadership                       | 3      | MGT 301/MGT 255                              |
|                        | ME 1     | Major Elective                                  | 3      | -  |
| Total Credit Hours     |          |   | 15     |  |

Students will be expected to either complete a three (3) credit internship course (HRM 399-I) during their last year of study or take a project course (HRM 399-P) during their last semester. Three (3) credits are awarded for HRM 399 I/P.

| Fourth Year (Senior)   |         |                                   |        |                       |
|------------------------|---------|-----------------------------------|--------|-----------------------|
|                        | Code    | Title                             | Credit | Prerequisite(s)       |
| Fall<br>(Semester 7)   | HRM 404 | Employee Relations                | 3      | HRM 313               |
|                        | MGT 402 | International Business Management | 3      | MGT 255 + ECO 202     |
|                        | HRM 419 | Training and Development (HRD)    | 3      | HRM 313               |
|                        | MGT 399 | Internship / Project in HRM       | 3      | Consent of Department |
|                        | ELECT-1 | Free Electives                    | 3      | -                     |
| Total Credit Hours     |         |                                   | 15     |                       |
| Spring<br>(Semester 8) | MGT 406 | MGT 406                           | 3      | Last Semester only    |
|                        | ME 2    | Major Elective                    | 3      | -                     |
|                        | ELECT-2 | Free Elective                     | 3      | -                     |
|                        | ELECT-3 | Free Elective                     | 3      | -                     |
|                        | ELECT-4 | Free Elective                     | 3      | -                     |
| Total Credit Hours     |         |                                   | 15     |                       |



## Bachelor of Business Administration in Human Resources Management Study Plan (Al Ain)

| First Year (Freshman)   |             |  |        |   |
|-------------------------|-------------|--|--------|---|
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)    | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                         | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                         | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                         | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                         | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                         | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 18     |   |
| Spring<br>(Semester 2)  | FWS 205*    | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | SIS 201     | Introduction to Sustainability in Science          | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204                                |
|                         | FWS 211     | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                         | BUS 102*    | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                         | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours      |             |  | 15     |   |
| Second Year (Sophomore) |             |  |        |   |
|                         | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 3)    | ACC 200     | Principles of Financial Accounting                 | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)                         |
|                         | ECO 201     | Principles of Microeconomics                       | 3      | ENG 200 + ( MTG 100 or MTT 101 or MTT 102)                                  |
|                         | BUS 204     | Business Research Methods                          | 3      | STT 100 + BUS 102   |
|                         | MIS 200     | Intro. to Management Information Systems           | 3      | ITD 100 + ENG 200   |
|                         | ELECT-1     | Free Electives                                     | 3      | -   |
| Total Credit Hours      |             |  | 15     |   |
| Spring<br>(Semester 4)  | FIN 200     | Principles of Finance                              | 3      | ACC 200   |
|                         | MKT 200     | Principles of Marketing                            | 3      | ENG 200   |
|                         | ACC 201     | Principles of Managerial Accounting                | 3      | ACC 200 + BUS 102   |
|                         | MGT 255     | Management and Organizational Behavior             | 3      | FWS 211 + ENG 200   |
|                         | ECO 202     | Principles of Macroeconomics                       | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102                         |
| Total Credit Hours      |             |  | 15     |   |



| Third Year (Junior)    |                |   |        |  |
|------------------------|----------------|---|--------|--|
|                        | Code           | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | FWS 201        | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|                        | FWS 305        | Technical Communication for Work Place          | 3      | ENG 200 + Completion of 45 CH                |
|                        | MGT 308*       | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | HRM 313        | HRM 313   | 3      | MGT 255/ coreq MGT 301                       |
|                        | Major ELECT -1 | Major Elective                                  | 3      | -  |
| Total Credit Hours     |                |   | 15     |  |
| Spring<br>(Semester 6) | BUS 301        | Business Law                                    | 3      | ENG 300                                      |
|                        | BUS 306*       | BUS 306   | 3      | STT 100 + ECO 201 + MGT 255                  |
|                        | FWS 310        | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CH                |
|                        | ELECT-2        | Free Electives                                  | 3      | -  |
| Total Credit Hours     |                |   | 12     |  |

Students will be expected to either complete a three (3) credit Summer internship course (HRM 399-I) during their last year of study or take a project course (HRM 399-P) during their last semester. Three (3) credits are awarded for HRM 399 I/P.

| Fourth Year (Senior)   |               |                                   |        |                       |
|------------------------|---------------|-----------------------------------|--------|-----------------------|
|                        | Code          | Title                             | Credit | Prerequisite(s)       |
| Fall<br>(Semester 7)   | HRM 404       | Employee Relations                | 3      | HRM 313               |
|                        | HRM 419       | Training and Development (HRD)    | 3      | HRM 313               |
|                        | Major ELECT-2 | Major Elective                    | 3      | -                     |
|                        | ELECT-3       | Free Electives                    | 3      | -                     |
|                        | ELECT-4       | Free Electives                    | 3      | -                     |
| Total Credit Hours     |               |                                   | 15     |                       |
| Spring<br>(Semester 8) | MGT 406       | Strategic Management              | 3      | Last Semester only    |
|                        | MGT 402*      | International Business Management | 3      | MGT 255 + ECO 202     |
|                        | MGT 422       | Management and Leadership         | 3      | MGT 255/MGT 301       |
|                        | HRM 315       | Staffing                          | 3      | HRM 313               |
|                        | MGT 399       | Internship / Project in HRM       | 3      | Consent of Department |
| Total Credit Hours     |               |                                   | 15     |                       |



# BACHELOR OF BUSINESS ADMINISTRATION IN DIGITAL MARKETING



## Introduction

Digital Marketing is an interdisciplinary major that combines technology, social media, marketing, advertising, and communication that prepares graduates to work

in all sectors and industries. The Digital Marketing Communication major prepares graduates to start their own business in social media marketing or provides them with the skills to work as part of a team in large organizations. Digital media and the online environment have fundamentally altered the operations of businesses

around the globe over the last decade. Digital marketing is now integral to all aspects of the marketing and business growth. The traditional advertising and promotion models are being rapidly replaced by online communications modes through, mobile, website, social media channels and other evolving on line channels. Such changes increase the need for highly qualified graduates with relevant

knowledge and skills in the field of digital marketing communication.

## Learning Outcomes

BBA Digital Marketing graduates should be able to:

1. Analyze consumer markets and buyer behavior to create customer satisfaction for building market oriented strategy.
2. Conduct marketing research, analyze research results and recommend marketing strategies on the basis of the research results.
3. Design and implement the digital marketing and communication strategies.
4. Develop sustainable marketing activities that are socially and environmentally responsible to meet both the immediate and future needs of customers and the company.

## Curriculum

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 45 credit hours |
| Major Requirements             | 21 credit hours |
| Major Electives                | 3 credit hours  |
| Open Electives                 | 12 credit hours |



## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite   | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200  | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

**45 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)                                     | Credit Hours |
|-------------|--|---|--------------|
| ACC 200     | Principles of Financial Accounting     | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ACC 201     | Principles of Managerial Accounting    | ACC 200 + BUS 102                                   | 3            |
| BUS 102     | Introduction to Business               | ENG 200 Co-req + FWS 100 Co-req                     | 3            |
| BUS 301     | Business Law                           | FWS 305   | 3            |
| BUS 204     | Business Research Methods              | STT 100 + BUS 102                                   | 3            |
| BUS 306     | Applied Management Science             | MGT 255 + STT 100 + ECO 201                         | 3            |
| ECO 201     | Principles of Microeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           | 3            |
| ECO 202     | Principles of Macroeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                  | ACC 200   | 3            |
| MGT 255     | Management and Organizational Behavior | FWS 211 + ENG 200                                   | 3            |
| MGT 308     | Operations Management                  | MGT 255 + MIS 200 + Co-requisite BUS 200/204        | 3            |
| MGT 402     | International Business Management      | MGT 255 + ECO 202                                   | 3            |



|         |  |                    |   |
|---------|--|--------------------|---|
| MGT 406 | Strategic Management                           | Last semester only | 3 |
| MIS 200 | Introduction to Management Information Systems | ENG 200 + ITD 100  | 3 |
| MKT 200 | Principles of Marketing                        | ENG 200            | 3 |

## Major Requirements

**21 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)                | Credit Hours |
|-------------|--|--------------------------------|--------------|
| MKT 301     | Consumer Behavior                      | MKT 200 + FWS 305 Co-requisite | 3            |
| MKT 305     | Marketing Research                     | MKT 200 + BUS 204              | 3            |
| MAC 314     | Communication Strategy in Advertising  | MKT 200                        | 3            |
| MKT 399     | Internship/Project in Marketing        | Consent of Department          | 3            |
| MKT 402     | E-Marketing and Social Media           | MKT 200 + MIS 200              | 3            |
| ITE 414     | Introduction to E-Commerce             | Junior Level                   | 3            |
| ITE 415     | Advanced E-Commerce Application Design | ITE 414                        | 3            |

## Major Electives: Select one course

**3 Credit Hours**

| Course Code | Course Title                | Prerequisite(s)              | Credit Hours |
|-------------|-----------------------------|------------------------------|--------------|
| MKT 303     | Retail Marketing            | MKT 200                      | 3            |
| MKT 304     | Marketing Communication     | MKT 301                      | 3            |
| MKT 401     | International Marketing     | MKT 200 + ECO 202            | 3            |
| MKT 405     | Service Marketing           | MKT 200                      | 3            |
| MKT 488     | Internship II in Marketing  | MKT 399-I + Consent of Dept. | 3            |
| MKT 499     | Special Topics in Marketing | Consent of Dept + MKT 200    | 3            |
| MKT 408     | Applied Digital Marketing   | MKT 402                      | 3            |

## Open Electives

**12 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE 1        | Open Elective I   | -               | 3            |
| OE 2        | Open Elective II  | -               | 3            |
| OE 3        | Open Elective III | -               | 3            |
| OE 4        | Open Elective IV  | -               | 3            |

Students from the old plan who are not required to take BUS 102, should have a total of 5 open electives.

\*Effective Fall 19-20





## Bachelor of Business Administration in Digital Marketing Study Plan (Abu Dhabi)

| First Year (Freshman)  |             |   |        |   |
|------------------------|-------------|---|--------|---|
|                        | Code        | Title   | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL100 (A)  | Communication Skills in Arabic I                      | 3      | No Prerequisite   |
|                        | ENG 200**   | English II  | 3      | **EPT/ENG 102 + FWS 100 (E)<br>(FWS 100 (E) co-requisite if<br>placed in ENG 200) |
|                        | MTG 100     | Math for Life   | 3      | No Prerequisite   |
|                        | FWS 100*    | Academic Skills for Success                           | 3      | No Prerequisite   |
|                        | ITD 100*    | Introduction to Information and Digital<br>Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |   | 15     |   |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                   | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                        | BUS 102     | Introduction to Business                              | 3      | ENG 200 Co-req + FWS 100<br>Co-req  |
|                        | FWS 211*    | Fundamentals of Emotional<br>Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-<br>req FWS 100 (E) if in ENG 200                     |
|                        | ISL 100 (A) | Islamic Culture                                       | 3      | No Prerequisite   |
|                        | STT 100     | General Statistics                                    | 3      | No Prerequisite   |
| Total Credit Hours     |             |   | 15     |   |

| Second Year (Sophomore) |          |   |        |  |
|-------------------------|----------|---|--------|--|
|                         | Code     | Title                                       | Credit | Prerequisite(s)  |
| Fall<br>(Semester 3)    | BUS 204  | Business Research Methods                   | 3      | STT 100 + BUS 102                                      |
|                         | ACC 200  | Principles of Financial Accounting          | 3      | ENG 200 + ITD 100 + (MTG 100<br>or MTT 101 or MTT 102) |
|                         | ECO 201  | Principles of Microeconomics                | 3      | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102)           |
|                         | MGT 255  | Management and Organizational<br>Behavior   | 3      | FWS 211 + ENG 200                                      |
|                         | MIS 200  | Intro. to Management Information<br>Systems | 3      | ITD 100 + ENG 200                                      |
| Total Credit Hours      |          |   | 15     |  |
| Spring<br>(Semester 4)  | ACC 201  | Principles of Managerial Accounting         | 3      | ACC 200 + BUS 102                                      |
|                         | ECO 202  | Principles of Macroeconomics                | 3      | ENG 200 + (MTG 100 or<br>MTT 101 or MTT 102) + BUS 102 |
|                         | FIN 200  | Principles of Finance                       | 3      | ACC 200  |
|                         | MKT 200  | Principles of Marketing                     | 3      | ENG 200  |
|                         | FWS 305* | Technical Communications for Work<br>Place  | 3      | ENG 200 + 45 CH  |
| Total Credit Hours      |          |   | 15     |  |



| Third Year (Junior)    |          |  |        |  |
|------------------------|----------|--|--------|--|
|                        | Code     | Title  | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 5)   | MKT 301  | Consumer Behavior                                  | 3      | MKT 200 + FWS 305                              |
|                        | MGT 308  | Operations Management                              | 3      | MGT 255 + MIS 200 +<br>corequisite BUS 200/204 |
|                        | MAC 314  | Communication Strategy in Advertising              | 3      | MKT 200  |
|                        | SIS 201* | Introduction to Sustainability in Science          | 3      | Co-req ENG 200                                 |
|                        | FWS 310* | Fundamentals of Innovation and<br>Entrepreneurship | 3      | ENG 200 + 60 CH                                |
| Total Credit Hours     |          |  | 15     |  |
| Spring<br>(Semester 6) | FWS 201* | Fundamentals of Life Skills                        | 3      | FWS 100  |
|                        | BUS 306  | Applied Management Science                         | 3      | STT 100 + ECO 201 + MGT<br>255                 |
|                        | MKT 305  | Marketing Research                                 | 3      | MKT 200 + BUS 204                              |
|                        | BUS 301  | Business Law                                       | 3      | FWS 305  |
|                        | ELECT-1  | Open Elective                                      | 3      | -  |
| Total Credit Hours     |          |  | 15     |  |

Students will be expected to either complete a three (3) credits Summer internship course (MKT 399-I) during their last year of study or take a project course (MKT 399-P) during their last semester. Three (3) credits are awarded for MKT 399 I/P.

| Fourth Year (Senior)   |               |   |        |                       |
|------------------------|---------------|---|--------|-----------------------|
|                        | Code          | Title                                     | Credit | Prerequisite(s)       |
| Fall<br>(Semester 7)   | MGT 402       | International Business Management         | 3      | MGT 255 + ECO 202     |
|                        | MKT 402       | E-Marketing and Social Media              | 3      | MKT 200 + MIS 200     |
|                        | MKT 399 I/P   | Internship/Project in Marketing           | 3      | Consent of Department |
|                        | Major ELECT-1 | Major Elective                            | 3      | -                     |
|                        | ITE 414       | Introduction to E-Commerce                | 3      | Junior Level          |
| Total Credit Hours     |               |   | 15     |                       |
| Spring<br>(Semester 8) | MGT 406       | Strategic Management                      | 3      | Last Semester only    |
|                        | ITE 415       | Advanced E-Commerce Application<br>Design | 3      | ITE 414               |
|                        | ELECT-2       | Free Elective                             | 3      | -                     |
|                        | ELECT-3       | Free Elective                             | 3      | -                     |
|                        | ELECT-4       | Free Electives                            | 3      | -                     |
| Total Credit Hours     |               |   | 15     |                       |



## Bachelor of Business Administration in Digital Marketing Study Plan (Al Ain)

| First Year (Freshman)          |             |  |           |   |
|--------------------------------|-------------|--|-----------|---|
|                                | Code        | Title  | Credit    | Prerequisite(s)   |
| <b>Fall<br/>(Semester 1)</b>   | ARL 100 (A) | Communication Skills in Arabic I                   | 3         | No Prerequisite   |
|                                | ENG 200     | English II   | 3         | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                                | ISL 100 (A) | Islamic Culture                                    | 3         | No Prerequisite   |
|                                | MTG 100*    | Math for Life                                      | 3         | No Prerequisite   |
|                                | FWS 100     | Academic Skills for Success                        | 3         | No Prerequisite   |
|                                | ITD 100     | Introduction to Information and Digital Technology | 3         | No Prerequisite   |
| <b>Total Credit Hours</b>      |             |  | <b>18</b> |   |
| <b>Spring<br/>(Semester 2)</b> | FWS 205     | UAE and GCC Society                                | 3         | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                                | SIS 201     | Introduction to Sustainability in Science          | 3         | MGT 255 + MIS 200 + co-requisite BUS 200/204                                |
|                                | FWS 211     | Fundamentals of Emotional Intelligence             | 3         | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                                | BUS 102*    | Introduction to Business                           | 3         | ENG 200 Co-req + FWS 100 Co-req   |
|                                | STT 100     | General Statistics                                 | 3         | No Prerequisite   |
| <b>Total Credit Hours</b>      |             |  | <b>15</b> |   |

| Second Year (Sophomore)        |         |  |           |   |
|--------------------------------|---------|--|-----------|---|
|                                | Code    | Title                                    | Credit    | Prerequisite(s)                                     |
| <b>Fall<br/>(Semester 3)</b>   | ELECT-1 | Free Electives                           | 3         | -   |
|                                | ACC 200 | Principles of Financial Accounting       | 3         | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) |
|                                | ECO 201 | Principles of Microeconomics             | 3         | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                                | BUS 204 | Business Research Methods                | 3         | STT 100 + BUS 102                                   |
|                                | MIS 200 | Intro. to Management Information Systems | 3         | ITD 100 + ENG 200                                   |
| <b>Total Credit Hours</b>      |         |  | <b>15</b> |   |
| <b>Spring<br/>(Semester 4)</b> | ACC 201 | Principles of Managerial Accounting      | 3         | ACC 200 + BUS 102                                   |
|                                | ECO 202 | Principles of Macroeconomics             | 3         | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                                | FIN 200 | Principles of Finance                    | 3         | ACC 200   |
|                                | MKT 200 | Principles of Marketing                  | 3         | ENG 200   |
|                                | MGT 255 | Management and Organizational Behavior   | 3         | FWS 211 + ENG 200                                   |
| <b>Total Credit Hours</b>      |         |  | <b>15</b> |   |



| Third Year (Junior)   |          |  |        |  |
|---|----------|--|--------|--|
|   | Code     | Title  | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 5)  | MAC 314  | Communication Strategy in Advertising              | 3      | MKT 200  |
|   | MGT 308  | Operations Management                              | 3      | MGT 255 + MIS 200 +<br>corequisite BUS 200/204 |
|   | MKT 301  | Consumer Behavior                                  | 3      | MKT 200 + FWS 310                              |
|   | FWS 305  | Technical Communication for Work<br>Place          | 3      | ENG 200 + Completion of 45<br>CH               |
|   | ITE 414  | E-Commerce   | 3      | Junior Level                                   |
| Total Credit Hours  |          |  | 15     |  |
| Spring<br>(Semester 6)  | FWS 201  | Fundamentals of Life Skills                        | 3      | FWS 100  |
|   | BUS 306  | Applied Management Science                         | 3      | STT 100 + ECO 201 + MGT 255                    |
|   | MKT 305  | Marketing Research                                 | 3      | MKT 200 + BUS 204                              |
|   | BUS 301  | Business Law                                       | 3      | FWS 305  |
|   | FWS 310* | Fundamentals of Innovation and<br>Entrepreneurship | 3      | ENG 200 + Completion of 60<br>CH               |
| Total Credit Hours  |          |  | 15     |  |
| Students will be expected to either complete a three (3) credits Summer internship course (MKT 399-I) during their last year of study or take a project course (MKT 399-P) during their last semester. Three (3) credits are awarded for MKT 399 I/P. |          |  |        |  |

| Fourth Year (Senior)                                     |               |   |        |                    |
|--|---------------|---|--------|--------------------|
|  | Code          | Title                                     | Credit | Prerequisite(s)    |
| Fall<br>(Semester 7)                                     | MKT 402       | E-Marketing and Social Media              | 3      | MKT 200 + MIS 200  |
|  | ELECT-2       | Free Electives                            | 3      | -                  |
|  | ELECT-3       | Free Electives                            | 3      | -                  |
|  | Major ELECT-1 | Major Elective                            | 3      | -                  |
| Total Credit Hours                                       |               |   | 12     |                    |
| Spring<br>(Semester 8)                                   | MGT 406       | Strategic Management                      | 3      | Last Semester only |
|  | ITE 415       | Advanced E-Commerce Application<br>Design | 3      | ITE 414            |
|  | MKT 399       | Internship/Project in Marketing           | 3      | Consent of Dept.   |
|  | MGT 402       | International Business Management         | 3      | MGT 255 + ECO 202  |
|  | ELECT-4       | Free Electives                            | 3      | -                  |
| Total Credit Hours                                       |               |   | 15     |                    |
| * Courses are offered in both Fall and Spring semesters. |               |   |        |                    |



# BACHELOR OF BUSINESS ADMINISTRATION IN ENTREPRENEURSHIP AND INNOVATION



## ***Introduction***

This one-of-a-kind program, offered in a country with a unique history of innovation and entrepreneurship, will provide you with the theoretical concepts and experiential opportunities needed to seize entrepreneurial opportunities. You will look at areas of entrepreneurial creativity and innovation, social entrepreneurship, venture feasibility, business plan development, and family business management strategy. You will be equipped with a range of transferable skills required in a broad range of entrepreneurial and business environments.

Common across all specializations in the Bachelor of Business Administration programs are courses that will provide you with a solid foundation to communicate effectively, carry out research, understand legal, social, professional and ethical responsibilities in a business environment, apply analytical and critical thinking to business issues, use information technology effectively and understand the dynamics of a complex global business environment.

## **Curriculum**

**Total Credit Hours: 120**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 39 credit hours |
| College Requirements           | 45 credit hours |
| Major Requirements             | 21 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 9 credit hours  |



## General Education Requirements

**39 Credit Hours**

| Course Code | Course Title                                       | Prerequisite(s)   | Credit Hours |
|-------------|--|---|--------------|
| ARL 100 (A) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200     | English II   | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) | 3            |
| FWS 100*    | Academic Skills for Success                        | No Prerequisite   | 3            |
| FWS 201*    | Fundamentals of Life Skills                        | FWS 100   | 3            |
| FWS 205     | UAE and GCC Society                                | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 211*    | Fundamentals of Emotional Intelligence             | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   | 3            |
| FWS 305     | Technical Communication for Workplace              | ENG 200 + (45 CH)   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + (60 CH)   | 3            |
| ISL 100 (A) | Islamic Culture                                    | No Prerequisite   | 3            |
| ITD 100     | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| MTG 100     | Math for Life                                      | No Prerequisite   | 3            |
| SIS 201*    | Introduction to Sustainability in Science          | Co-req ENG 200  | 3            |
| STT 100     | General Statistics                                 | No Prerequisite   | 3            |

\*English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.

## College Requirements

**45 Credit Hours**

| Course Code | Course Title                           | Prerequisite(s)                                     | Credit Hours |
|-------------|--|---|--------------|
| ACC 200     | Principles of Financial Accounting     | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ACC 201     | Principles of Managerial Accounting    | ACC 200 + BUS 102                                   | 3            |
| BUS 102     | Introduction to Business               | ENG 200 Co-req + FWS 100 Co-req                     | 3            |
| BUS 301     | Business Law                           | FWS 305   | 3            |
| BUS 204     | Business Research Methods              | STT 100 + BUS 102                                   | 3            |
| BUS 306     | Applied Management Science             | MGT 255 + STT 100 + ECO 201                         | 3            |
| ECO 201     | Principles of Microeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           | 3            |
| ECO 202     | Principles of Macroeconomics           | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 | 3            |
| FIN 200     | Principles of Finance                  | ACC 200   | 3            |
| MGT 255     | Management and Organizational Behavior | FWS 211 + ENG 200                                   | 3            |
| MGT 308     | Operations Management                  | MGT 255 + MIS 200 + Co-requisite BUS 200/204        | 3            |
| MGT 402     | International Business Management      | MGT 255 + ECO 202                                   | 3            |
| MGT 406     | Strategic Management                   | Last semester only                                  | 3            |



|         |  |                   |   |
|---------|--|-------------------|---|
| MIS 200 | Introduction to Management Information Systems | ENG 200 + ITD 100 | 3 |
| MKT 200 | Principles of Marketing                        | ENG 200           | 3 |

## Major Requirements

**21 Credit Hours**

| Course Code | Course Title                               | Prerequisite(s)                  | Credit Hours |
|-------------|--|----------------------------------|--------------|
| MGT 422     | Management and Leadership Development      | MGT 255                          | 3            |
| INE 344     | Innovation within Entrepreneurial Ventures | FWS 310                          | 3            |
| INE 346     | Entrepreneurial Finance                    | FIN 200 + FWS 310                | 3            |
| INE 347     | Entrepreneurial Marketing                  | MKT 200 + FWS 310                | 3            |
| INE 348     | Venture Feasibility Study                  | INE 344 + INE 346                | 3            |
| INE 377     | Business Plan Development                  | INE 348 + Entrepreneurship Major | 3            |
| INE 399-I   | Internship in Entrepreneurship             | Consent of Department            | 3            |

## Major Electives: Select two courses

**6 Credit Hours**

| Course Code | Course Title                       | Prerequisite(s)                 | Credit Hours |
|-------------|------------------------------------|---------------------------------|--------------|
| INE 350     | Franchising and Licensing          | INE 344                         | 3            |
| MGT 411     | Project Management                 | FWS 310 + CO-REQ BUS 306        | 3            |
| INE 352     | Managing Family Business           | FWS 310                         | 3            |
| INE 499     | Special Topics in Entrepreneurship | FWS 310 + Consent of Department | 3            |
| MKT 302     | Retail Marketing                   | MKT 200                         | 3            |
| MKT 405     | Service Marketing                  | MKT 200                         | 3            |
| MKT 402     | e-Marketing and Social Media       | MKT 200 + MIS 200               | 3            |
| INE 342     | Social Entrepreneurship            | FWS 310                         | 3            |

## Open Electives

**9 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE 1        | Open Elective I   | -               | 3            |
| OE 2        | Open Elective II  | -               | 3            |
| OE 3        | Open Elective III | -               | 3            |



## Bachelor of Business Administration in Entrepreneurship and Innovation Study Plan (Abu Dhabi)

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL100 (A)  | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                        | MTG 100     | Math for Life                                      | 3      | No Prerequisite   |
|                        | FWS 100*    | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ITD 100*    | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | BUS 102     | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                        | FWS 211*    | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |          |  |        |   |
|-------------------------|----------|--|--------|---|
|                         | Code     | Title                                    | Credit | Prerequisite(s)                                     |
| Fall<br>(Semester 3)    | BUS 204  | Business Research Methods                | 3      | STT 100 + BUS 102                                   |
|                         | ACC 200  | Principles of Financial Accounting       | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) |
|                         | ECO 201  | Principles of Microeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                         | MGT 255  | Management and Organizational Behavior   | 3      | FWS 211 + ENG 200                                   |
|                         | MIS 200  | Intro. to Management Information Systems | 3      | ITD 100 + ENG 200                                   |
| Total Credit Hours      |          |  | 15     |   |
| Spring<br>(Semester 4)  | ACC 201  | Principles of Managerial Accounting      | 3      | ACC 200 + BUS 102                                   |
|                         | ECO 202  | Principles of Macroeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 |
|                         | MKT 200  | Principles of Marketing                  | 3      | ENG 200   |
|                         | FIN 200  | Principles of Finance                    | 3      | ACC 200   |
|                         | FWS 305* | Technical Communications for Work Place  | 3      | ENG 200 + 45 CH                                     |
| Total Credit Hours      |          |  | 15     |   |





| Third Year (Junior)    |          |   |        |  |
|------------------------|----------|---|--------|--|
|                        | Code     | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | BUS 301  | Business Law                                    | 3      | FWS 305                                      |
|                        | MGT 308  | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | MGT 422  | Management and Leadership Development           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | SIS 201* | Introduction to Sustainability in Science       | 3      | Co-requisite ENG 200                         |
|                        | FWS 310  | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
| Total Credit Hours     |          |   | 15     |  |
| Spring<br>(Semester 6) | FWS 201* | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|                        | BUS 306  | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|                        | INE 344  | Innovation within Entrepreneurial Ventures      | 3      | FWS 310                                      |
|                        | INE 346  | Entrepreneurial Finance                         | 3      | FIN 200 + FWS 310                            |
|                        | ELECT-1  | Open Electives                                  | 3      | -  |
| Total Credit Hours     |          |   | 15     |  |

Students will be expected to either complete a three (3) credit Summer internship course (INE 399-I) during their last year of study or take a project course (INE 399-P) during their last semester. Three (3) credits are awarded for INE 399 I/P.

| Fourth Year (Senior)   |               |  |        |                                  |
|------------------------|---------------|--|--------|----------------------------------|
|                        | Code          | Title                                  | Credit | Prerequisite(s)                  |
| Fall<br>(Semester 7)   | MGT 402       | International Business Management      | 3      | MGT 255 + ECO 202                |
|                        | INE 347       | Entrepreneurial Marketing              | 3      | MKT 200 + FWS 310                |
|                        | INE 348       | Venture Feasibility Study              | 3      | INE 344 + INE 346                |
|                        | INE 399       | Internship/Project in Entrepreneurship | 3      | Consent of Dept.                 |
|                        | Major Elect-1 | Major Elective                         | 3      | -                                |
| Total Credit Hours     |               |  | 15     |                                  |
| Spring<br>(Semester 8) | MGT 406       | Strategic Management                   | 3      | Last Semester only               |
|                        | INE 377       | Business Plan Development              | 3      | INE 348 + Entrepreneurship Major |
|                        | Major Elect-2 | Major Elective-2                       | 3      | -                                |
|                        | ELECT-2       | Open Elective                          | 3      | -                                |
|                        | ELECT-3       | Open Elective                          | 3      | -                                |
| Total Credit Hours     |               |  | 15     |                                  |



## Bachelor of Business Administration in Entrepreneurship and Innovation Study Plan (Al Ain)

| First Year (Freshman)  |             |  |        |   |
|------------------------|-------------|--|--------|---|
|                        | Code        | Title  | Credit | Prerequisite(s)   |
| Fall<br>(Semester 1)   | ARL 100 (A) | Communication Skills in Arabic I                   | 3      | No Prerequisite   |
|                        | ENG 200**   | English II   | 3      | **EPT/ENG 102 + FWS 100 (E) (FWS 100 (E) co-requisite if placed in ENG 200) |
|                        | MTG 100*    | Math for Life                                      | 3      | No Prerequisite   |
|                        | FWS 100     | Academic Skills for Success                        | 3      | No Prerequisite   |
|                        | ITD 100     | Introduction to Information and Digital Technology | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |
| Spring<br>(Semester 2) | FWS 205     | UAE and GCC Society                                | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | BUS 102     | Introduction to Business                           | 3      | ENG 200 Co-req + FWS 100 Co-req   |
|                        | FWS 211*    | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (E) or co-req FWS 100 (E) if in ENG 200                   |
|                        | ISL 100 (A) | Islamic Culture                                    | 3      | No Prerequisite   |
|                        | STT 100     | General Statistics                                 | 3      | No Prerequisite   |
| Total Credit Hours     |             |  | 15     |   |

| Second Year (Sophomore) |         |  |        |   |
|-------------------------|---------|--|--------|---|
|                         | Code    | Title                                    | Credit | Prerequisite(s)                                     |
| Fall<br>(Semester 3)    | BUS 204 | Business Research Methods                | 3      | STT 100 + BUS 102                                   |
|                         | ACC 200 | Principles of Financial Accounting       | 3      | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) |
|                         | ECO 201 | Principles of Microeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           |
|                         | MGT 255 | Management and Organizational Behavior   | 3      | FWS 211 + ENG 200                                   |
|                         | MIS 200 | Intro. to Management Information Systems | 3      | ITD 100 + ENG 200                                   |
| Total Credit Hours      |         |  | 15     |   |
| Spring<br>(Semester 4)  | ACC 201 | Principles of Managerial Accounting      | 3      | ACC 200 + BUS 102                                   |
|                         | ECO 202 | Principles of Macroeconomics             | 3      | ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102 |
|                         | MKT 200 | Principles of Marketing                  | 3      | ENG 200   |
|                         | FIN 200 | Principles of Finance                    | 3      | ACC 200   |
|                         | FWS 305 | Technical Communications for Work Place  | 3      | ENG 200 + 45 CH                                     |
| Total Credit Hours      |         |  | 15     |   |



| Third Year (Junior)    |          |   |        |  |
|------------------------|----------|---|--------|--|
|                        | Code     | Title   | Credit | Prerequisite(s)                              |
| Fall<br>(Semester 5)   | BUS 301  | Business Law                                    | 3      | FWS 305                                      |
|                        | MGT 308  | Operations Management                           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | MGT 422  | Management and Leadership Development           | 3      | MGT 255 + MIS 200 + co-requisite BUS 200/204 |
|                        | SIS 201* | Introduction to Sustainability in Science       | 3      | Co-requisite ENG 200                         |
|                        | FWS 310  | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + 60 CH                              |
| Total Credit Hours     |          |   | 15     |  |
| Spring<br>(Semester 6) | FWS 201* | Fundamentals of Life Skills                     | 3      | FWS 100                                      |
|                        | BUS 306  | Applied Management Science                      | 3      | STT 100 + ECO 201 + MGT 255                  |
|                        | INE 344  | Innovation within Entrepreneurial Ventures      | 3      | FWS 310                                      |
|                        | INE 346  | Entrepreneurial Finance                         | 3      | FIN 200 + FWS 310                            |
|                        | ELECT-1  | Open Electives                                  | 3      | -  |
| Total Credit Hours     |          |   | 15     |  |

Students will be expected to either complete a three (3) credit Summer internship course (INE 399-I) during their last year of study or take a project course (INE 399-P) during their last semester. Three (3) credits are awarded for INE 399 I/P.

| Fourth Year (Senior)   |               |  |        |                                  |
|------------------------|---------------|--|--------|----------------------------------|
|                        | Code          | Title                                  | Credit | Prerequisite(s)                  |
| Fall<br>(Semester 7)   | MGT 402       | International Business Management      | 3      | MGT 255 + ECO 202                |
|                        | INE 347       | Entrepreneurial Marketing              | 3      | MKT 200 + FWS 310                |
|                        | INE 348       | Venture Feasibility Study              | 3      | INE 344 + INE 346                |
|                        | INE 399       | Internship/Project in Entrepreneurship | 3      | Consent of Dept.                 |
|                        | Major Elect-1 | Major Elective                         | 3      | -                                |
| Total Credit Hours     |               |  | 15     |                                  |
| Spring<br>(Semester 8) | MGT 406       | Strategic Management                   | 3      | Last Semester only               |
|                        | INE 377       | Business Plan Development              | 3      | INE 348 + Entrepreneurship Major |
|                        | Major Elect-2 | Major Elective-2                       | 3      | -                                |
|                        | ELECT-2       | Open Elective                          | 3      | -                                |
|                        | ELECT-3       | Open Elective                          | 3      | -                                |
| Total Credit Hours     |               |  | 15     |                                  |



# COLLEGE OF ENGINEERING



## ***Introduction***

The COLLEGE OF ENGINEERING (COE) at Abu Dhabi University offers nine bachelor's degree programs and eight master's degree programs. The graduate degree programs are Master of Engineering Management (MEM), Master of Project Management (MPM), Master of Science in Information Technology (MSIT), Master of Science in Sustainable Architecture (MSSA), Master of Science in Electrical and Computer Engineering (MSECE), Master of Engineering in Electrical and Computer Engineering (MEng.ECE), Master of Science in Mechanical Engineering (MSME), and Master of Science in Civil Engineering (MSCE).

The undergraduate degree programs are the Bachelor of Architecture, the Bachelor of Science in Aviation, the Bachelor of Science in Chemical Engineering, the Bachelor of Science in Civil Engineering, the Bachelor of Science in Computer Engineering, the Bachelor of Science in Electrical Engineering, the Bachelor of Science in Information Technology, the Bachelor of Science in Interior Design, and the Bachelor of Science in Mechanical Engineering.

The graduates of our well-designed programs will easily find jobs in the Gulf region in general and in the UAE in particular, whether it is the high tech internet, computing, telecommunication, manufacturing, oil and gas industries, or in the construction and design companies.

The College's highly qualified faculty members have international

academic and industrial experiences in their fields and have obtained their Ph.D.'s from prominent universities in North America, Europe and Australia. The College houses modern facilities and specialized engineering labs that include Soil Mechanics lab, Environmental Engineering lab, Construction Materials lab, Hydraulics lab, Surveying lab, Electric and Electronic Circuits lab, Communications lab, Electric Power and Renewable Energy lab, Microprocessors and Embedded Systems lab, Mobile Computing lab, Flight Simulation and Training lab, CISCO Academy lab, Thermal lab, Dynamics and Control lab, Mechatronics lab, Manufacturing and CAD/CAM lab, Mechanical Machine Shop, and many others. These labs are furnished with the state-of-the-art equipment to help our students acquire the hands-on experience needed to pursue a successful professional engineering career.

## ***College Mission***

The mission of the College of Engineering at Abu Dhabi University is to meet the educational, research and community development needs of UAE and the region through faculty scholarship and engagement in community service, and through offering carefully-selected undergraduate and graduate degree programs that use modern curricula and follow international standards in order to produce highly-qualified graduates who are prepared to face the current and emerging professional challenges in various fields of engineering.



# BACHELOR OF ARCHITECTURE

## ***Introduction***

Architecture is the art and science concerned with accommodating human activity within interior and exterior environments. It is concerned with the implementation of activities that shape the well-being of human settlements functionally as well as aesthetically. Architecture includes all types of buildings such as residential buildings, commercial, administrative, hospitality, entertainment, shopping malls, restaurants, theaters, airports and others. Working closely with engineers, construction managers, urban planners, interior designers and landscape architects, architects must identify all physical, physiological, psychological, and economical needs of different user groups using the building, prepare a program for the project to meet

these needs, develop conceptual designs, conduct design development, prepare working drawings and contractual documents, and supervise the erection of buildings. This program offers courses in these topics which are an integral part of an undergraduate curriculum for an architect.

Both private companies and public agencies seek architects for a variety of professional positions. Many work for engineering and architecture consulting firms or construction companies as designers and project managers. Graduates are equally prepared to pursue M.Sc. and Ph.D. degrees in allied fields of architecture and design.





## **Program Mission**

The mission of the Architecture Program is to graduate architects equipped with knowledge and skills to be competitive in the job market. The degree was designed to be recognized as a professional degree in most regions of the world including North America, Europe and all Arab countries. This will help put graduates on the track to become registered licensed architects if they move to other countries. The English title 'Architect' translates to 'Architectural Engineer' in Arabic in many locations in the Arab world.

The Architecture Program aims to produce graduates that are well-rounded academically, equipped with sufficient knowledge and skills to be competitive on the job market, and to become professionals who will contribute to the socio-economic, cultural and urban development of the community on local, regional and global levels.

## **Program Objectives**

The following program objectives are broad statements that describe the career and professional accomplishments, which should be achieved during the first several years following our students' graduation. Overall, our graduates are expected to:

1. Demonstrate knowledge of the historical context, the state-of-the-art, and emerging issues in the field of architecture and its role in contemporary society;
2. Display a systems viewpoint, critical thinking, effective communication and interpersonal skills, a spirit of curiosity, and conduct reflection in a professional and ethical manner;
3. Demonstrate critical reasoning, creative thinking and essential skills to identify, formulate, and resolve architecture problems, and to create designs that reflect aesthetic, functional, structural, economic, environmental, and social sensitivities;
4. Display broad intellectual training for success in multidisciplinary professional practice as a team member and also toward achieving leadership roles in industry, government, and academia; and
5. Demonstrate commitment to life-long learning and professional development, involvement in professional activity and public service, and achievement of professional licensure.

## **Program Learning Outcomes**

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to be able to:

1. Communicate effectively, orally, in writing as well as graphically using manual techniques as well as computers tools to generate, evaluate, develop and

communicate ideas;

2. Gather, assess, record, and apply relevant information and raise clear precise questions, interpret information, consider diverse points of view, reach well-reasoned conclusions, and test them against relevant criteria;
3. Resolve the needs of the client, owner and user, taking into consideration the relationship between human behavior and the physical environment and the diverse needs, values, norms, abilities, and socioeconomic patterns that characterize different locations, cultures and individuals;
4. Prepare a comprehensive program for an architectural project, including assessment of client and user needs, critical review of appropriate precedents, an inventory of space requirements, an analysis of site conditions, a review of relevant laws and standards, and a definition of site selection and design assessment criteria;
5. Produce a comprehensive architectural project based on a building program and site that includes the development of programmed spacing while integrating structural and environmental systems, building envelope systems, life-safety provisions and the principles of sustainability;
6. Select and apply construction materials, products, components, and building assemblies to prepare technically precise drawings, outline specifications and estimates of building costs, life-cycle cost, and construction costs for a proposed design;
7. Assess, select and conceptually integrate different building environmental, electro-mechanical and structural systems into building design; and
8. Demonstrate an understanding of the legal aspects and ethical issues of practice organization and management as well as the role of professional development, and the need to provide leadership in the building design and construction process.

All program learning outcomes (PLOs) are designed to ensure that they meet the appropriate level of rigor for the specific degree as per international criteria, and the PLOs are aligned with, and mapped to, the UAE Qualifications Framework (level 7 for a Bachelor degree).

ADU has established procedures by which all its courses must comply with a standard master syllabus. The master syllabus describes the course learning outcomes, links the course learning outcomes to the program learning outcomes, and demonstrates that the outcomes are consistent with the requirements of the UAE Qualifications Framework for the level of the degree. In addition to this, the syllabus outlines all the important procedures and materials that are used to achieve these learning outcomes. It serves as a base for coordinating the teaching process, especially in multi-section and multi-instructor courses.



## Curriculum

**Total Credit Hours: 162**

|                                |                  |
|--------------------------------|------------------|
| General Education Requirements | 30 credit hours  |
| College Requirements           | 4 credit hours   |
| Major Requirements             | 110 credit hours |
| Professional Electives         | 9 credit hours   |
| Open Electives                 | 9 credit hours   |

### General Education Requirements

**30 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)                       | Credit Hours |
|---------------|---|---------------------------------------|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite                       | 3            |
| ENG 200       | English 2                                       | EPT/ENG 102 (C grade) + (Co) UNS 102  | 3            |
| FWS 305       | Technical Communication for Work Place          | ENG 200 + Completion of 45 CHs.       | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite                       | 3            |
| MTT 101       | Pre-Calculus                                    | Math Placement Test/MTG 100 (C grade) | 3            |
| MTT 102       | Calculus I                                      | MTT 101                               | 3            |
| FWS 205       | UAE and GCC Society                             | ENG 102 + (Co) UNS 102                | 3            |
| STT 100       | General Statistics                              | No Prerequisite                       | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite                       | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs.       | 3            |

### College Requirements

**4 Credit Hours**

| Course Code | Course Title                               | Prerequisite(s)                | Credit Hours |
|-------------|--|--------------------------------|--------------|
| PHY 102     | Physics and Engineering Applications I     | MTT 102                        | 3            |
| PHY 102L    | Physics and Engineering Applications I Lab | MTT 102 + PHY 102 Co-requisite | 1            |



## Major Requirements

**110 Credit Hours**

| Course Code | Course Title                                 | Prerequisite(s)           | Credit Hours |
|-------------|--|---------------------------|--------------|
| ARC 210     | Design Studio I                              | DES 120 + DES 130         | 4            |
| ARC 220     | Architectural History I                      | ENG 200                   | 3            |
| ARC 230     | Building Technology I                        | DES 110                   | 3            |
| ARC 240     | Architecture and the Environment             | No Prerequisite           | 3            |
| ARC 250     | Design Studio II                             | ARC 210                   | 4            |
| ARC 260     | Architectural and Interior Design History II | ARC 220                   | 3            |
| ARC 270     | Building Technology II                       | ARC 230                   | 3            |
| ARC 280     | Computer Aided Design                        | DES 110                   | 3            |
| ARC 310     | Design Studio III                            | ARC 250                   | 6            |
| ARC 320     | Env. Design I: Lighting and Acoustics        | ARC 210                   | 3            |
| ARC 330     | Structures for Architects I                  | ARC 270                   | 3            |
| ARC 340     | Building Technology III                      | ARC 270                   | 3            |
| ARC 350     | Design Studio IV                             | ARC 310                   | 6            |
| ARC 360     | Urban Planning                               | ARC 210                   | 3            |
| ARC 370     | Professional Practice and Ethics             | ENG 200                   | 3            |
| ARC 399     | Internship                                   | 90 Credit Hours + ARC 370 | 3            |
| ARC 410     | Design Studio V                              | ARC 350                   | 6            |
| ARC 420     | Env. Design II: Energy and Systems           | ARC 240 + ARC 270         | 3            |
| ARC 430     | Working Drawings I                           | ARC 340                   | 3            |
| ARC 450     | Design Studio VI                             | ARC 410                   | 6            |
| ARC 460     | Structures for Architects II                 | ARC 330                   | 3            |
| ARC 470     | Urban Design                                 | ARC 360                   | 3            |
| ARC 510     | Graduation Project I                         | ARC 450                   | 6            |
| ARC 520     | Research Methods and Programming             | ARC 410                   | 3            |
| ARC 530     | Working Drawings II                          | ARC 430                   | 3            |
| ARC 540     | Sustainable Design                           | ARC 410                   | 3            |
| ARC 550     | Graduation Project II                        | ARC 510                   | 6            |
| DES 110     | Design Communication I                       | No Prerequisite           | 3            |
| DES 120     | Design Communication II                      | DES 110                   | 3            |
| DES 130     | Design Foundations                           | No Prerequisite           | 3            |





## Professional Electives

9 Credit Hours

| Course Code | Course Title              | Prerequisite(s) | Credit Hours |
|-------------|---------------------------|-----------------|--------------|
| PRE1        | Professional Elective I   | -               | 3            |
| PRE2        | Professional Elective II  | -               | 3            |
| PRE3        | Professional Elective III | -               | 3            |

| Professional Elective Themes * |             |                                  |                 |              |
|--------------------------------|-------------|----------------------------------|-----------------|--------------|
| Themes options                 | Course Code | Course Title                     | Prerequisite(s) | Credit Hours |
| Special Design Focus           | ARC 581     | Landscape Architecture           | ARC 210         | 3            |
|                                | ARC 584     | Housing                          | ARC 360         | 3            |
|                                | ARC 585     | Islamic Architecture             | ARC 220         | 3            |
|                                | ARC 588     | Interior Architecture            | ARC 210         | 3            |
| Computer Applications          | ARC 582     | 3D Modeling                      | ARC 280         | 3            |
|                                | ARC 583     | Building Information Modeling    | ARC 280         | 3            |
|                                | ARC 591     | Geographical Information Systems | ARC 280         | 3            |
| Management                     | ARC 586     | Architectural Conservation       | ARC 260         | 3            |
|                                | ARC 587     | Project Management               | ARC 340         | 3            |
|                                | ARC 590     | Building Economics               | ARC 340         | 3            |

## Open Electives

9 Credit Hours

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| OE1         | Open Elective I  | -               | 3            |
| OE2         | Open Elective II | -               | 3            |
| OE3         | Open Elective II | -               | 3            |

Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Architecture Study Plan

| First Year (Freshman)  |               |                                  |        |                                       |
|------------------------|---------------|----------------------------------|--------|---------------------------------------|
|                        | Code          | Title                            | Credit | Prerequisite(s)                       |
| Fall<br>(Semester 1)   | ARL 100 (A/E) | Communication Skills in Arabic I | 3      | No Prerequisite                       |
|                        | DES 110       | Design Communication I           | 3      | No Prerequisite                       |
|                        | ISL 100 (A/E) | Islamic Culture                  | 3      | No Prerequisite                       |
|                        | STT 100       | General Statistics               | 3      | No Prerequisite                       |
|                        | FWS 100       | Academic Skills for Success      | 3      | No Prerequisite                       |
|                        | ENG 200       | English II                       | 3      | *EPT/ENG 102 (C grade) + (Co) UNS 102 |
| Total Credit Hours     |               |                                  | 18     |                                       |
| Spring<br>(Semester 2) | DES 120       | Design Communication II          | 3      | DES 110                               |
|                        | DES 130       | Design Foundations               | 3      | No Prerequisite                       |
|                        | MTT 101       | Pre-Calculus                     | 3      | MPT/MTG 100 (C grade)                 |
|                        | OE 01         | Open Elective 1                  | 3      | -                                     |
|                        | FWS 205       | UAE and GCC Society              | 3      | ENG 102 + (Co) UNS 102                |
| Total Credit Hours     |               |                                  | 15     |                                       |

| Second Year (Sophomore) |          |  |        |                                |
|-------------------------|----------|--|--------|--------------------------------|
|                         | Code     | Title  | Credit | Prerequisite(s)                |
| Fall<br>(Semester 3)    | ARC 210  | Design Studio I                              | 4      | DES 120 + DES 130              |
|                         | ARC 220  | Architectural History I                      | 3      | ENG 200                        |
|                         | ARC 230  | Building Technology I                        | 3      | DES 110                        |
|                         | ARC 240  | Architecture and the Environment             | 3      | No Prerequisite                |
|                         | MTT 102  | Calculus I                                   | 3      | MTT 101                        |
| Total Credit Hours      |          |  | 16     |                                |
| Spring<br>(Semester 4)  | ARC 250  | Design Studio II                             | 4      | ARC 210                        |
|                         | ARC 260  | Architectural and Interior Design History II | 3      | ARC 220                        |
|                         | ARC 270  | Building Technology II                       | 3      | ARC 230                        |
|                         | ARC 280  | Computer Aided Design                        | 3      | DES 110                        |
|                         | PHY 102  | Physics and Engineering Applications I       | 3      | MTT 102                        |
|                         | PHY 102L | Physics and Engineering Applications I Lab   | 1      | MTT 102 + PHY 102 Co-requisite |
| Total Credit Hours      |          |  | 17     |                                |



| Third Year (Junior)                  |         |   |           |                                 |
|--------------------------------------|---------|---|-----------|---------------------------------|
|                                      | Code    | Title   | Credit    | Prerequisite(s)                 |
| <b>Fall</b><br><b>(Semester 5)</b>   | ARC 310 | Design Studio III                               | 6         | ARC 250                         |
|                                      | ARC 320 | Env. Design I: Lighting and Acoustics           | 3         | ARC 210                         |
|                                      | ARC 330 | Structures for Architects I                     | 3         | ARC 270                         |
|                                      | ARC 340 | Building Technology III                         | 3         | ARC 270                         |
| <b>Total Credit Hours</b>            |         |   | <b>15</b> |                                 |
| <b>Spring</b><br><b>(Semester 6)</b> | ARC 350 | Design Studio IV                                | 6         | ARC 310                         |
|                                      | ARC 360 | Urban Planning                                  | 3         | ARC 210                         |
|                                      | ARC 370 | Professional Practice and Ethics                | 3         | ENG 200                         |
|                                      | FWS 305 | Technical Communication for Work Place          | 3         | ENG 200 + Completion of 45 CHs. |
|                                      | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3         | ENG 200 + Completion of 60 CHs. |
| <b>Total Credit Hours</b>            |         |   | <b>18</b> |                                 |
| <b>Summer Semester</b>               | ARC 399 | Internship                                      | 3         | 90 Credit Hours + ARC 370       |

| Fourth Year (Senior)                 |         |                                    |           |                   |
|--------------------------------------|---------|------------------------------------|-----------|-------------------|
|                                      | Code    | Title                              | Credit    | Prerequisite(s)   |
| <b>Fall</b><br><b>(Semester 7)</b>   | ARC 410 | Design Studio V                    | 6         | ARC 350           |
|                                      | ARC 420 | Env. Design II: Energy and Systems | 3         | ARC 240 + ARC 270 |
|                                      | ARC 430 | Working Drawings I                 | 3         | ARC 340           |
|                                      | OE2     | Open Elective II                   | 3         | -                 |
| <b>Total Credit Hours</b>            |         |                                    | <b>15</b> |                   |
| <b>Spring</b><br><b>(Semester 8)</b> | ARC 450 | Design Studio VI                   | 6         | ARC 410           |
|                                      | ARC 460 | Structures for Architects II       | 3         | ARC 330           |
|                                      | ARC 470 | Urban Design                       | 3         | ARC 360           |
|                                      | PRE1    | Professional Elective I            | 3         | -                 |
| <b>Total Credit Hours</b>            |         |                                    | <b>15</b> |                   |



| Fifth Year              |         |                                  |        |                 |
|-------------------------|---------|----------------------------------|--------|-----------------|
|                         | Code    | Title                            | Credit | Prerequisite(s) |
| Fall<br>(Semester 9)    | ARC 510 | Graduation Project I             | 6      | ARC 450         |
|                         | ARC 520 | Research Methods and Programming | 3      | ARC 410         |
|                         | ARC 530 | Working Drawings II              | 3      | ARC 430         |
|                         | ARC 540 | Sustainable Design               | 3      | ARC 410         |
| Total Credit Hours      |         |                                  | 15     |                 |
| Spring<br>(Semester 10) | ARC 550 | Graduation Project II            | 6      | ARC 510         |
|                         | OE3     | Open Elective III                | 3      | -               |
|                         | PRE2    | Professional Elective II         | 3      | -               |
|                         | PRE3    | Professional Elective III        | 3      | -               |
| Total Credit Hours      |         |                                  | 15     |                 |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



# BACHELOR OF SCIENCE IN AVIATION



## **Introduction**

The Bachelor of Science in Aviation program is offered by the College of Engineering at Abu Dhabi University. The mission of the Aviation Program is to equip graduates with the knowledge and skills to work in various sectors in the aviation industry. Aviation courses are delivered by a faculty with international expertise and professional experience in aviation. The program includes practical exposure using own facilities such as flight training devices and various simulation platforms complemented by field visits to the industry.

To graduate with B.Sc. in Aviation, a student needs to successfully complete 119 credit hours of coursework in addition to 2 credit hours of internship for a total of 121 credit hours. The Program also suits students who want later on pursue a career as airline pilot and joining a Flight School.

## **Program Objectives**

The Bachelor of Aviation Science program is designed to provide students with the opportunity to learn relevant aspects of aviation to pursue their professional careers within operational sectors of the aviation industry. These could be:

- Airline Flight Operations.
- Airport Operations - including safety and security management.
- Ground support services.
- Air Navigation Services.
- Aviation state safety oversight.

The growth in the Aviation Industry, both in the region and internationally, drives the demand for skilled personnel and it is our aim to position our graduates as sought after from

employers in the Aviation Industry.

A revised program and presently subject to approval by the Ministry of Education is to be implemented which better addresses the needs of the industry and improve employability of our graduates. Beside an aviation common core study area, students may opt in their final year of studies between three concentration areas specializing in their future intended career path: Flight Operations, Infrastructure Operations, Technical Systems. The concentration areas include 5 courses with a total of 15 credit hours.

## **Program Learning Outcomes**

The following intended program learning outcomes describe competencies and skills that Aviation students will acquire by the time of graduation. Aviation graduates are expected to be able to:

- a. Comprehension of the aviation system as an integrated and multidisciplinary environment and the role of professionals working in this sector
- b. Function in multidisciplinary teams and develop leadership capabilities
- c. Identify, formulate, and solve problems encountered in the practice of performing the role of an aviation practitioner
- d. Demonstrate an understanding of the professional and ethical responsibility of licensed and non-licensed aviation personnel with regard to safety
- e. Communicate effectively by written, oral and visual means;
- f. Demonstrate and understand the impact of the Aviation Industry in a global, economic, environmental, and societal



context

g. Develop problem solving capabilities and independent information retrieval strategies

h. Demonstrate knowledge of contemporary issues in aviation

## Present Curriculum (subject to change following approval by MOE)

### Curriculum

**Total Credit Hours: 121**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 42 credit hours |
| Major Requirements             | 64 credit hours |
| Open Electives                 | 15 credit hours |

### General Education Requirements

**42 Credit Hours**

| Course Code   | Course Title                                       | Prerequisite(s)   | Credit Hours |
|---------------|--|---|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                   | No Prerequisite   | 3            |
| ENG 200       | English II   | English Proficiency Specified Score/ENG 100 (C grade) + (Co) UNS 102                          | 3            |
| FWS 305       | Technical Communication for Work Place             | ENG 200 + Completion of 45 CHs  | 3            |
| ISL 100 (A/E) | Islamic Culture                                    | No Prerequisite   | 3            |
| FWS 210       | General Psychology                                 | ENG 102 + FWS 100 (Co-req)  | 3            |
| FWS 205       | UAE and GCC Society                                | ENG102+ FWS100 (E ) or FWS100 (E) as co-requisite if students enter to ENG200 course directly | 3            |
| ITD 100       | Introduction to Information and Digital Technology | No Prerequisite   | 3            |
| NSC 201       | Natural Sciences                                   | No Prerequisite   | 3            |
| MTT 101       | Pre-Calculus                                       | Math Placement Test/MTG 100 (C grade)   | 3            |
| STT 100       | General Statistics                                 | No Prerequisite   | 3            |
| FWS 100       | Academic Skills for Success                        | No Prerequisite   | 3            |
| FWS 301       | Developing Future Leaders                          | ENG 200 + FWS 100 + Completion of 45 CHs.   | 3            |
| MGT 255       | Management and Organization Behavior               | ENG 200 + FWS 210   | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship    | ENG 200 + Completion of 60 chrs   | 3            |



## Major Requirements

**64 Credit Hours**

| Course Code | Course Title                                      | Prerequisite(s)   | Credit Hours |
|-------------|---|-------------------|--------------|
| AVS 201     | Private Pilot Operations                          | AVS 209           | 3            |
| AVS 209     | Aerodynamics                                      | NSC 201 + MTT 101 | 3            |
| AVS 211     | Aircraft Engines                                  | NSC 201           | 3            |
| AVS 254     | Aviation Law                                      | FWS 205           | 3            |
| AVS 287     | Crew Resource Management                          | MGT 255 + FWS 210 | 3            |
| AVS 289     | Airline Management                                | MGT 255           | 3            |
| AVS 301     | Introduction to Meteorology                       | MTT 101 + NSC 201 | 3            |
| AVS 310     | Aircraft Performance                              | AVS 209 + AVS 211 | 3            |
| AVS 321     | Instrument Pilot Operations                       | AVS 201           | 3            |
| AVS 350     | Flight Navigation                                 | AVS 310 + AVS 321 | 3            |
| AVS 356     | Systems and Components                            | NSC 201           | 3            |
| AVS 357     | Flight Physiology                                 | NSC 201 + FWS 210 | 3            |
| AVS 380     | Pilot Career Planning and Interviewing Techniques | 60 Credit Hours   | 2            |
| AVS 399     | Internship  | 90 Credit Hours   | 2            |
| AVS 401     | Aviation Weather                                  | AVS 301           | 3            |
| AVS 408     | Flight Safety                                     | 80 Credit Hours   | 3            |
| AVS 410     | Air Traffic Management                            | MGT 255           | 3            |
| AVS 411     | Jet Transport Systems                             | AVS 356           | 3            |
| AVS 415     | Airport Operations                                | No Prerequisite   | 3            |
| AVS 421     | Commercial Pilot Operations                       | AVS 321           | 3            |
| AVS 435     | Electronic Flight Management System               | AVS 310           | 3            |
| AVS 472     | Aviation Science of Multi-Crew Flight Operations  | AVS 287           | 3            |

## Open Electives

**15 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| OE 1        | Open Elective I   | -               | 3            |
| OE 2        | Open Elective II  | -               | 3            |
| OE 3        | Open Elective III | -               | 3            |
| OE 4        | Open Elective IV  | -               | 3            |
| OE 5        | Open Elective V   | -               | 3            |

Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Aviation Study Plan

| First Year (Freshman) |               |   |        |  |
|-----------------------|---------------|---|--------|--|
|                       | Code          | Title   | Credit | Prerequisite(s)                              |
| Fall Semester         | ARL 100 (A/E) | Communication Skills in Arabic I              | 3      | No Prerequisite                              |
|                       | ENG 200       | English II                                    | 3      | *EPSS Score/ENG 100 (C grade) + (Co) UNS 102 |
|                       | FWS 100       | Academic Skills for Success                   | 3      | No Prerequisite                              |
|                       | STT 100       | General Statistics                            | 3      | No Prerequisite                              |
|                       | ITD 100       | Introduction to Information and Digital Tech. | 3      | No Prerequisite                              |
| Total Credit Hours    |               |   | 15     |  |
| Winter Term           | OE 1          | Open Elective I                               | 3      | -  |
|                       | OE 2          | Open Elective II                              | 3      | -  |
| Total Credit Hours    |               |   | 6      |  |
| Spring Semester       | ISL 100 (A/E) | Islamic Culture                               | 3      | No Prerequisite                              |
|                       | FWS 210       | General Psychology                            | 3      | ENG 100 + (Co) UNS 102                       |
|                       | FWS 205       | UAE and GCC Society                           | 3      | ENG 100 + (Co) UNS 102                       |
|                       | NSC 201       | Natural Sciences                              | 3      | No Prerequisite                              |
|                       | MTT 101       | Mathematics for Science and Technology        | 3      | Math Placement Test/MTG 100 (C grade)        |
| Total Credit Hours    |               |   | 15     |  |
| Summer A Term         | OE 3          | Open Elective III                             |        |  |
|                       | MGT 255       | Management and Organizational Behavior        | 3      | ENG 200 + FWS 210                            |
| Total Credit Hours    |               |   | 6      |  |

| Second Year (Sophomore) |         |                                       |        |                            |
|-------------------------|---------|---------------------------------------|--------|----------------------------|
|                         | Code    | Title                                 | Credit | Prerequisite(s)            |
| Fall Semester           | AVS 209 | Aerodynamics                          | 3      | NSC 201 + MTT 101          |
|                         | OE 4    | Open Elective IV                      | 3      |                            |
|                         | AVS 211 | Aircraft Engines                      | 3      | NSC 201                    |
|                         | AVS 254 | Aviation Law                          | 3      | FWS 205                    |
|                         | AVS 287 | Crew Resource Management              | 3      | MGT 255 + FWS 210          |
| Total Credit Hours      |         |                                       | 15     |                            |
| Winter Term             | FWS 305 | Technical Communication for Workplace | 3      | ENG 200 + Comp. of 45 Chs. |
|                         | AVS 289 | Airline Management                    | 3      | MGT 255                    |
| Total Credit Hours      |         |                                       | 6      |                            |





|                           |         |   |           |                           |
|---------------------------|---------|---|-----------|---------------------------|
| <b>Spring Semester</b>    | AVS 201 | Private Pilot Operations                      | 3         | AVS 209                   |
|                           | FWS 310 | Fundamentals of Innovation & Entrepreneurship | 3         | ENG 200 + 60 credit hours |
|                           | AVS 301 | Introduction to Meteorology                   | 3         | MTT 101 + NSC 201         |
|                           | AVS 356 | Systems and Components                        | 3         | NSC 201                   |
|                           | AVS 357 | Flight Physiology                             | 3         | NSC 201 + FWS 210         |
| <b>Total Credit Hours</b> |         |   | <b>15</b> |                           |
| <b>Summer A Term</b>      | AVS 310 | Aircraft Performance                          | 3         | AVS 209 + AVS 211         |
|                           | AVS 321 | Instrument Pilot Operations                   | 3         | AVS 201                   |
| <b>Total Credit Hours</b> |         |   | <b>6</b>  |                           |

| <b>Third Year (Junior)</b> |             |   |               |                        |
|----------------------------|-------------|---|---------------|------------------------|
|                            | <b>Code</b> | <b>Title</b>                                      | <b>Credit</b> | <b>Prerequisite(s)</b> |
| <b>Fall Semester</b>       | AVS 415     | Airport Operations                                | 3             | No Prerequisite        |
|                            | AVS 408     | Flight Safety                                     | 3             | 80 Credit Hours        |
|                            | AVS 401     | Aviation Weather                                  | 3             | AVS 301                |
|                            | AVS 350     | Flight Navigation                                 | 3             | AVS 310 + AVS 221      |
|                            | AVS 380     | Pilot Career Planning and Interviewing Techniques | 2             | 60 Credit Hours        |
| <b>Total Credit Hours</b>  |             |   | <b>14</b>     |                        |
| <b>Spring Semester</b>     | AVS 435     | Electronic Flight Management System               | 3             | AVS 310                |
|                            | AVS 472     | Aviation Science of Multi-Crew Flight Operations  | 3             | AVS 287                |
|                            | AVS 411     | Jet Transport Systems                             | 3             | AVS 356                |
|                            | AVS 410     | Air Traffic Management                            | 3             | MGT 255                |
|                            | AVS 421     | Commercial Pilot Operations                       | 3             | AVS 321                |
| <b>Total Credit Hours</b>  |             |   | <b>15</b>     |                        |
| <b>Fall Semester</b>       | AVS 399     | Internship  | 2             | 90 Credit Hours        |
| <b>Total Credit Hours</b>  |             |   | <b>2</b>      |                        |

| <b>Fourth Year (Senior)</b> |             |                           |               |   |
|-----------------------------|-------------|---------------------------|---------------|---|
|                             | <b>Code</b> | <b>Title</b>              | <b>Credit</b> | <b>Prerequisite(s)</b>                    |
| <b>Spring Semester</b>      | FWS 301     | Developing Future Leaders | 3             | ENG 200 + FWS 100 + Completion of 45 Chs. |
|                             | OE 5        | Open Elective V           | 3             | -   |
| <b>Total Credit Hours</b>   |             |                           | <b>6</b>      |   |

Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





# BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING



## ***Introduction***

Chemical engineering (ChE) is a branch of engineering that deals with the conversion of raw materials to useful products by applying the principles of science and engineering. It involves the design, operation, and maintenance of facilities ranging from refineries, petrochemical, pharmaceutical plants, and nuclear-waste processing plants, through to food and materials processing facilities.

Chemical engineers develop, design, and operate different kinds of manufacturing processes, applying the principles of chemistry, physics, biology, mathematics, and engineering to solve issues in a wide variety of industrial fields efficiently, cost effectively, and in an environmentally friendly way.

The challenging four-year program integrates courses in mathematics, chemistry, physics, and chemical engineering, and provides a balanced education between theory and practice. During the program you will be given the opportunity to design and conduct laboratory experiments, use industry-specific software for process simulation and design, and integrate all theoretical and practical knowledge gained through the design of a chemical processing plant in your final year. In addition, you will round up your ChE education through a carefully selected two month internship in one of the many relevant industries in the UAE or abroad.

This program is accredited by the Ministry of Education in the UAE.

## ***Program Mission***

The educational mission of the chemical engineering undergraduate program is to provide students with a premium education through a well-developed curriculum that is fundamental, yet broad and flexible. The program seeks to produce graduates who are well-rounded in mathematical, scientific, and technical knowledge; who are prepared for the successful



practice of chemical engineering with sufficient depth to continue their education beyond the bachelor's degree; who have the ability to analyze, evaluate, and design chemical engineering systems; who have the ability to communicate effectively; who have gained sufficient awareness of the current and emerging industrial practices through participation in industrial internships; and who have acquired an understanding of and appreciation for global and societal issues and are thus prepared for a career path towards leadership in industry, government, and academia.

## ***Program Objectives***

The main objectives of the Chemical Engineering program are to:

1. Prepare graduates who can efficiently operate, design, develop and/or evaluate a chemical engineering system/component in a safe, economically feasible, and environmentally responsible way.
2. Prepare graduates who can demonstrate success as chemical and process engineers with a good set of technical, problem solving, and leadership accomplishments.
3. Prepare graduates who contribute to the development and growth of the economy locally and abroad and uphold their ethical, social, and professional responsibilities.
4. Prepare graduates who can develop themselves professionally by engaging to life-long learning activities such as training and continuing education or follow graduate studies.

## ***Program Learning Outcomes***

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to be able to:

1. Identify, formulate, and solve complex chemical engineering problems by applying principles of engineering, science, and mathematics
2. Apply chemical engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. Communicate effectively with a range of audiences
4. Recognize ethical and professional responsibilities in chemical engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. Develop and conduct appropriate chemical engineering experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. Acquire and apply new knowledge as needed, using appropriate learning strategies

## **Curriculum**

### **Total Credit Hours: 136**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| College Requirements           | 36 credit hours |
| Major Requirements             | 55 credit hours |
| Major Electives                | 9 credit hours  |
| Open Electives                 | 6 credit hours  |



## General Education Requirements

**30 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)  | Credit Hours |
|---------------|---|--|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite  | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite  | 3            |
| ENG 200       | English 2                                       | *EPT/ENG 102 (C grade) + (Co) UNS 102  | 3            |
| FWS 305       | Technical Communications for Work Place         | ENG 200 + Completion of 45 CHs.  | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite  | 3            |
| MTT 102       | Calculus I                                      | "C" grade in MTT 101 or Math Placement Test  | 3            |
| FWS 205       | UAE and GCC Society                             | ENG 102 + (Co) UNS 102   | 3            |
| STT 100       | General Statistics                              | No Prerequisite  | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs.  | 3            |
| FWS 211       | Fundamentals of Emotional Intelligence          | ENG 102 + FWS 100 (E) as co-requisite if students enter to ENG 200 course directly | 3            |

## College Requirements

**36 Credit Hours**

| Course Code | Course Title                                | Prerequisite(s)                | Credit Hours |
|-------------|---|--------------------------------|--------------|
| MTT 200     | Calculus II                                 | MTT 102                        | 3            |
| MTT 201     | Calculus III                                | MTT 200                        | 3            |
| MTT 204     | Introduction to Linear Algebra              | MTT 200                        | 3            |
| MTT 205     | Differential Equations                      | MTT 200 + MTT 204 co-requisite | 3            |
| PHY 102     | Physics and Engineering Applications I      | MTT 102                        | 3            |
| PHY 102L    | Physics and Engineering Applications I Lab  | MTT 102 + PHY 102 co-requisite | 1            |
| PHY 201     | Physics and Engineering Applications II     | PHY 102                        | 3            |
| PHY 201L    | Physics and Engineering Applications II Lab | PHY 102 + PHY 201 co-requisite | 1            |
| CHE 205     | General Chemistry I                         | ENG 100                        | 3            |
| CHE 201L    | Chemistry Lab                               | CHE 205 co-requisite           | 1            |
| CME 200     | Introduction to Chemical Engineering        | No Prerequisite                | 3            |
| CSC 201     | Structured Programming                      | MTT 101 or MTT 102             | 3            |
| GEN 200     | Engineering Economy                         | ENG 200 + MTT 102              | 3            |
| CIV 402     | Engineering Ethics                          |                                | 3            |



## Major Requirements

**55 Credit Hours**

| Course Code | Course Title                                    | Prerequisite(s)                                  | Credit Hours |
|-------------|---|--|--------------|
| CHE 206     | General Chemistry II                            | CHE 205  | 3            |
| CHE 206L    | General Chemistry II Lab                        | CHE 205 + CHE 206 Co-requisite                   | 1            |
| CHE 305     | Organic Chemistry                               | CHE 206  | 4            |
| CHE 330     | Physical Chemistry                              | CME 220 + CHE 206                                | 3            |
| MEC 300     | Materials Science                               | CHE 205  | 3            |
| CME 210     | Principles of Chemical Engineering              | CHE 205 (co-requisite) + CME 200                 | 4            |
| CME 220     | Chemical Engineering Thermodynamics I           | CME 210  | 3            |
| CME 300     | Chemical Engineering Thermodynamics II          | CME 220 + MTT 205                                | 3            |
| CME 301     | Mass Transfer                                   | CME 300 + CME 341                                | 3            |
| CME 305     | Modeling and Simulation in Chemical Engineering | CME 210 + CME 310 + CME 331 Co-requisite         | 2            |
| CME 310     | Fluid Mechanics for Chemical Engineers          | CME 220  | 3            |
| CME 320     | Chemical Engineering Laboratory I               | CME 310 + CME 341 + CME 301                      | 1            |
| CME 321     | Process Dynamics and Control                    | CME 331 Co-requisite                             | 3            |
| CME 331     | Chemical Reaction Engineering                   | CHE 330 + MTT 205                                | 3            |
| CME 341     | Heat Transfer                                   | CME 310 Co-requisite                             | 3            |
| CME 400     | Separation Process                              | CME 301 + CME 305                                | 3            |
| CME 430     | Chemical Engineering Laboratory II              | CME 321 + CME 331 + CME 400                      | 1            |
| CME 450     | Process Design                                  | CME 331 + CME 400 Co-requisite                   | 3            |
| CME 399i    | Internship                                      | 90 credit hours                                  | 3            |
| CME 498     | Capstone Design Project I                       | Senior Level (include CME 301, CME 321, CME 331) | 1            |
| CME 499     | Capstone Design Project II                      | CME 498  | 2            |

## Major Electives

**9 Credit Hours**

| Course Code | Course Title       | Prerequisite(s) | Credit Hours |
|-------------|--------------------|-----------------|--------------|
| ME 1        | Major Elective I   | -               | 3            |
| ME 2        | Major Elective II  | -               | 3            |
| ME 3        | Major Elective III | -               | 3            |



| List of Major Elective Themes *   |             |  |                             |              |
|-----------------------------------|-------------|--|-----------------------------|--------------|
| Themes options                    | Course Code | Course Title                                     | Prerequisite(s)             | Credit Hours |
| Gas Processing and Petrochemicals | CME 460     | Natural Gas Processing                           | CME 301                     | 3            |
|                                   | CME 461     | Petroleum Refining Processes                     | CHE 305 + CME 341 + CME 331 | 3            |
|                                   | CME 462     | Chemical Process Industries                      | CHE 305 + CME 331           | 3            |
|                                   | CME 463     | Corrosion Engineering                            | CHE 330                     | 3            |
|                                   | CME 464     | Chemical Process Safety                          | CME 301                     | 3            |
|                                   | CME 465     | Process Heat Transfer                            | CME 341 + MEC 300           | 3            |
| Polymer and Materials             | CME 470     | Introduction to Polymer Science and Engineering  | CHE 305 + CHE 330           | 3            |
|                                   | CME 471     | Polymer Chemistry and Reaction Engineering       | CHE 305 + CHE 330           | 3            |
|                                   | CME 472     | Polymer Properties, Testing and Characterization | CME 470                     | 3            |
|                                   | CME 473     | Polymer Processing and Material Design           | CME 471                     | 3            |
| Water Treatment and Desalination  | CME 480     | Water Treatment and Membrane Processes           | CME 301 + CHE 330           | 3            |
|                                   | CME 481     | Thermal Desalination                             | CME 341 + CME 330           | 3            |
|                                   | CME 482     | Membrane Desalination                            | CME 480                     | 3            |
|                                   | CME 483     | Industrial Wastewater Treatment                  | CME 301                     | 3            |
| Biotechnology                     | CME 490     | Chemical Engineering Biology                     | CHE 330                     | 3            |
|                                   | CME 491     | Biochemical Engineering                          | CME 490                     | 3            |
|                                   | CME 492     | Biochemical Treatment                            | CME 490                     | 3            |
|                                   | CME 493     | Biofuels Technology                              | CME 490 + CME 331           | 3            |

## Open Electives

**6 Credit Hours**

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| OE 1        | Open Elective I  | -               | 3            |
| OE 2        | Open Elective II | -               | 3            |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





## Bachelor of Science in Chemical Engineering Study Plan

| First Year (Freshman)  |               |  |        |   |
|------------------------|---------------|--|--------|---|
|                        | Code          | Title                                      | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 1)   | ARL 100 (A/E) | Communication Skills in Arabic I           | 3      | No Prerequisite                             |
|                        | ENG 200       | English II                                 | 3      | *EPT/ENG 102 (C grade) + (Co) UNS 102       |
|                        | FWS 100       | Academic Skills for Success                | 3      | No Prerequisite                             |
|                        | CME 200       | Introduction to Chemical Engineering       | 3      | No Prerequisite                             |
|                        | MTT 102       | Calculus I                                 | 3      | "C" grade in MTT 101 or Math Placement Test |
| Total Credit Hours     |               |  | 15     |   |
| Spring<br>(Semester 2) | FWS 211       | Fundamentals of Emotional Intelligence     | 3      | ENG 102 + FWS 100 (Co-req)                  |
|                        | PHY 102       | Physics and Engineering Applications I     | 3      | MTT 102                                     |
|                        | PHY 102L      | Physics and Engineering Applications I Lab | 1      | MTT 102 + PHY 102 co-requisite              |
|                        | MTT 200       | Calculus II                                | 3      | MTT 102                                     |
|                        | CHE 205       | General Chemistry I                        | 3      | ENG 100                                     |
|                        | CHE 201L      | Chemistry Lab                              | 1      | CHE 205 co-requisite                        |
| Total Credit Hours     |               |  | 18     | CHE 205 (co-requisite) + CME 200            |

| Second Year (Sophomore) |               |   |        |                                 |
|-------------------------|---------------|---|--------|---------------------------------|
|                         | Code          | Title                                       | Credit | Prerequisite(s)                 |
| Fall<br>(Semester 3)    | ISL 100 (A/E) | Islamic Culture                             | 3      | No Prerequisite                 |
|                         | MTT 201       | Calculus III                                | 3      | MTT 200                         |
|                         | CSC 201       | Structured Programming                      | 3      | MTT 102                         |
|                         | PHY 201       | Physics and Engineering Applications II     | 3      | PHY 102                         |
|                         | PHY 201L      | Physics and Engineering Applications II Lab | 1      | PHY 102 + PHY 201 co-requisite  |
|                         | STT 100       | General Statistics                          | 3      | No Prerequisite                 |
| Total Credit Hours      |               |   | 16     |                                 |
| Spring<br>(Semester 4)  | FWS 305       | Technical Communications for Work Place     | 3      | ENG 200 + Completion of 45 CHs. |
|                         | CME 220       | Chemical Engineering Thermodynamics I       | 3      | CME 210                         |
|                         | CHE 206       | General Chemistry II                        | 3      | CHE 205                         |
|                         | CHE 206L      | General Chemistry II Lab                    | 1      | CHE 205 + CHE 206 Co-requisite  |
|                         | MTT 204       | Introduction to Linear Algebra              | 3      | MTT 200                         |
|                         | MTT 205       | Differential Equations                      | 3      | MTT 200 + MTT 204 Co-requisite  |
| Total Credit Hours      |               |   | 16     |                                 |



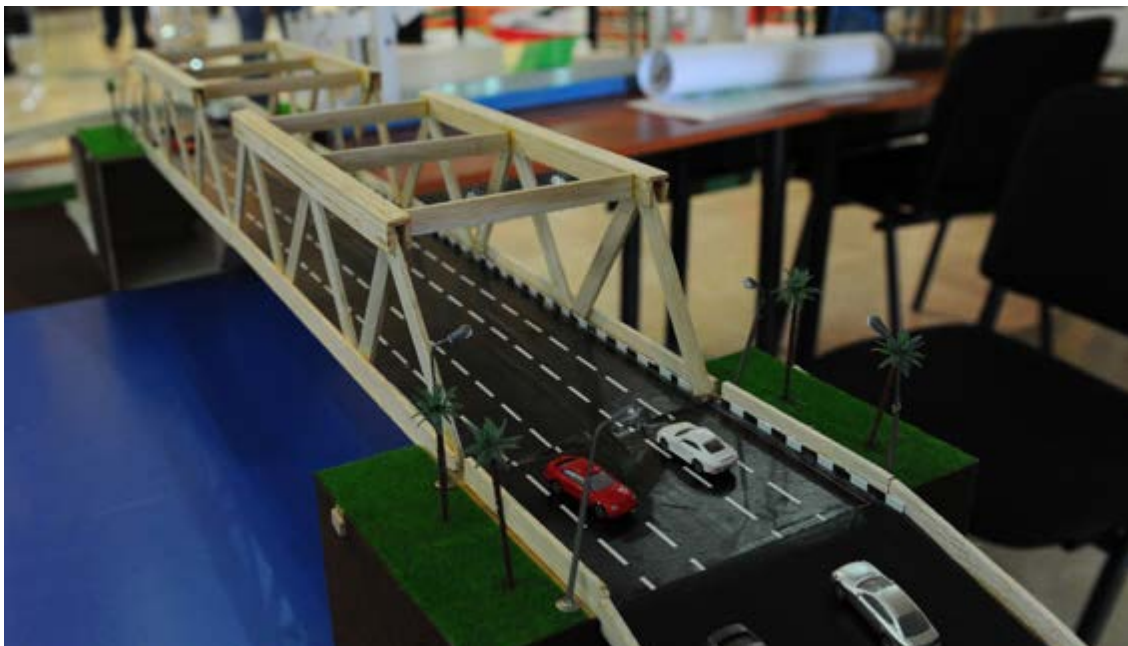


| Third Year (Junior)            |          |   |           |  |
|--------------------------------|----------|---|-----------|--|
|                                | Code     | Title   | Credit    | Prerequisite(s)                          |
| <b>Fall<br/>(Semester 5)</b>   | CHE 305  | Organic Chemistry                               | 4         | CHE 206                                  |
|                                | CME 300  | Chemical Engineering Thermodynamics II          | 3         | CME 220 + MTT 205                        |
|                                | CME 310  | Fluid Mechanics for Chemical Engineers          | 3         | CME 220                                  |
|                                | CHE 330  | Physical Chemistry                              | 3         | CME 220 + CHE 206                        |
|                                | MEC 300  | Materials Science                               | 3         | CHE 205                                  |
|                                | CME 341  | Heat Transfer                                   | 3         | CME 310 Co-requisite                     |
| <b>Total Credit Hours</b>      |          |   | <b>19</b> |  |
| <b>Spring<br/>(Semester 6)</b> | GEN 200  | Engineering Economy                             | 3         | ENG 200 + MTT 102                        |
|                                | CME 301  | Mass Transfer                                   | 3         | CME 300 + CME 341                        |
|                                | CME 321  | Process Dynamics and Control                    | 3         | CME 331 + Co-requisite                   |
|                                | CME 331  | Chemical Reaction Engineering                   | 3         | CHE 330 + MTT 205 + CME 341              |
|                                | CME 305  | Modeling and Simulation in Chemical Engineering | 2         | CME 210 + CME 310 + CME 331 Co-requisite |
|                                | FWS 310  | Fundamentals of Innovation and Entrepreneurship | 3         | ENG 200 + Completion of 60 CHs.          |
| <b>Total Credit Hours</b>      |          |   | <b>17</b> |  |
| <b>Summer Semester</b>         | CME 399i | Internship                                      | 3         | 90 Credit Hours                          |

| Fourth Year (Senior)           |         |                                    |           |  |
|--------------------------------|---------|------------------------------------|-----------|--|
|                                | Code    | Title                              | Credit    | Prerequisite(s)                                |
| <b>Fall<br/>(Semester 7)</b>   | CME 400 | Separation Processes               | 3         | CME 301 + CME 305                              |
|                                | CME 450 | Process Design                     | 3         | CME 331 + CME 400 Co-requisite                 |
|                                | CME 320 | Chemical Engineering Laboratory I  | 1         | CME 310 + CME 341 + CME 301                    |
|                                | CME 498 | Capstone Design Project I          | 1         | Senior Level (incl. CME 301, CME 321, CME 331) |
|                                | ME 1    | Major Elective I                   | 3         | -  |
|                                | OE 1    | Open Elective I                    | 3         | -  |
|                                | FWS 205 | UAE and GCC Society                | 3         | ENG 102 + UNS 102 (Co-req)                     |
| <b>Total Credit Hours</b>      |         |                                    | <b>17</b> |  |
| <b>Spring<br/>(Semester 8)</b> | CME 499 | Capstone Design Project II         | 2         | CME 498  |
|                                | CME 430 | Chemical Engineering Laboratory II | 1         | CME 321 + CME 331 + CME 400                    |
|                                | CIV 402 | Engineering Ethics                 | 3         | -  |
|                                | ME 2    | Major Elective 2                   | 3         | -  |
|                                | ME 3    | Major Elective 3                   | 3         | -  |
|                                | OE 2    | Open Elective 2                    | 3         | -  |
| <b>Total Credit Hours</b>      |         |                                    | <b>15</b> |  |



# BACHELOR OF SCIENCE IN CIVIL ENGINEERING



## **Introduction**

Civil Engineering is about the planning, design, construction and operation of facilities essential to modern life, ranging from bridges to transit systems. Civil engineers are problem solvers, meeting the challenges of community planning, water supply, structures, traffic congestion, energy needs, pollution, and infrastructure improvements. Societal needs, economic conditions and public safety are paramount in the work accomplished by civil engineers. Technologies related to computer aided design (CAD), geographical information systems (GIS) and 3-D computer modeling are a necessity in all areas of civil engineering.

Both private companies and public agencies seek civil engineers for a variety of professional positions. Many work for engineering consulting firms or construction companies as design engineers, field engineers and project managers. They also join government agencies to oversee transportation, water supply, environmental protection, and resource management. Graduates are equally prepared to pursue Master's and Ph.D. degrees in allied fields, as well as business, management and law degrees.

The program is accredited by the UAE Commission for Academic Accreditation (CAA) as well as the Engineering Accreditation Commission of ABET, [www.abet.org](http://www.abet.org). This ensures that the graduates of the program will be uniquely qualified to design, analyze, and test wide-ranging solutions using state-of-the-art tools and technologies.

## **Program Mission**

The mission of Civil Engineering Department is to offer highly rewarding career oriented undergraduate and graduate degree programs aligned with the needs of the United Arab Emirates and the region through excellence in teaching, student learning, faculty scholarship and engagement in community development. Programs offered by the department produce graduates who are well-rounded in mathematical, engineering, and scientific knowledge; who have the ability to analyze, evaluate, and design civil engineering systems; who have the ability to communicate effectively; and who have acquired and understanding and appreciation for global and societal issues.



## Program Objectives

The following program objectives are broad statements that describe the career and professional accomplishments, which should be achieved few years following our students' graduation. In general, our graduates are expected to:

1. Identify practical solutions to real life civil engineering problems that are based on a sound science and engineering knowledge, and reflect high level of awareness to relevant social, economical and environmental issues.
2. Efficiently design, build and/or evaluate a civil engineering system/component to satisfy certain client needs per relevant standard specifications and environmental requirements in the Gulf region
3. Be capable of using modern engineering tools efficiently in all aspects of civil engineering practices.
4. Develop and update their knowledge and skills through continuing education and graduate studies to keep up with the rapidly evolving technologies in the field of civil engineering.
5. Demonstrate effective verbal and written communication and interpersonal skills in a professional setting
6. Understand and maintain professional ethics and the need to safeguard the public, the environment, and the natural resources of the country.
7. Be capable of advancing their civil engineering careers through involvement in professional activity and public service, to achieve leadership positions in the industry, government, or academia.

## Program Learning Outcomes

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to have:

- a. An ability to apply knowledge of mathematics, science, and engineering.
- b. An ability to design and conduct experiments, as well as to analyze and interpret data.
- c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- d. An ability to function on multidisciplinary teams.
- e. An ability to identify, formulate, and solves civil engineering problems.
- f. An understanding of professional and ethical responsibilities.
- g. An ability to communicate effectively.
- h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- i. A recognition of the need for, and an ability to engage in life-long learning.
- j. A knowledge of contemporary issues.
- k. An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.

## Curriculum

### Total Credit Hours: 142

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| College Requirements           | 33 credit hours |
| Major Requirements             | 70 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 3 credit hours  |



## General Education Requirements

**30 Credit Hours**

| Course Code | Course Title                                    | Prerequisite(s)  | Credit Hours |
|-------------|---|--|--------------|
| ARL 100     | Communication Skills in Arabic I                | No Prerequisite  | 3            |
| FWS 100     | Academic Skills for Success                     | No Prerequisite  | 3            |
| ENG 200     | English 2                                       | EPT + Co-req FWS 100 or<br>Passing grade in ENG 102 +<br>FWS 100   | 3            |
| FWS 305     | Technical Communications for Work Place         | ENG 200 + Completion of<br>45 CHs.   | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of<br>60 CHs.   |              |
| ISL 100     | Islamic Culture                                 | No Prerequisite  | 3            |
| MTT 102     | Calculus I                                      | "C" grade in MTT 101 or MPT  | 3            |
| FWS 211     | Fundamentals of Emotional Intelligence          | ENG 102 + FWS 100 (E) or<br>FWS 100 (E) as co-requisite<br>if students enter to ENG 200<br>course directly | 3            |
| FWS 205     | UAE and GCC Society                             | ENG 102 + FWS 100 (E) or<br>FWS 100 (E) as co-requisite<br>if students enter to ENG 200<br>course directly | 3            |
| STT 100     | General Statistics                              | No Prerequisite  | 3            |

## College Requirements

**33 Credit Hours**

| Course Code | Course Title                                | Prerequisite(s)            | Credit Hours |
|-------------|---|----------------------------|--------------|
| MTT 200     | Calculus II                                 | MTT 102                    | 3            |
| MTT 201     | Calculus III                                | MTT 200                    | 3            |
| MTT 204     | Introduction to Linear Algebra              | MTT 200                    | 3            |
| MTT 205     | Differential Equations                      | MTT 200 + MTT 204 (co-req) | 3            |
| PHY 102     | Physics and Engineering Applications I      | MTT 102                    | 3            |
| PHY 102L    | Physics and Engineering Applications I Lab  | MTT 102 + PHY 102 (co-req) | 1            |
| PHY 201     | Physics and Engineering Applications II     | PHY 102                    | 3            |
| PHY 201L    | Physics and Engineering Applications II Lab | PHY 102 + PHY 201 (co-req) | 1            |
| CHE 205     | Chemistry                                   | ENG 200                    | 3            |
| CHE 201L    | Chemistry Lab                               | ENG 200 + CHE 205 (co-req) | 1            |
| GOL 205     | Physical Geology                            | ENG 200                    | 3            |
| GEN 200     | Engineering Economy                         | ENG 200 + MTT 102          | 3            |
| CIV 402     | Engineering Ethics                          | Senior Status              | 3            |



## Major Requirements

**70 Credit Hours**

| Course Code | Course Title                               | Prerequisite(s)                    | Credit Hours |
|-------------|--|------------------------------------|--------------|
| CIV 102     | Computer Aided Drawing                     | No Prerequisite                    | 3            |
| CIV 104     | Introduction to Civil Engineering          | MTT 102 + ENG 200 (pre- or co-req) | 3            |
| CIV 205     | Introduction to Geomatics                  | MTT 102, STT 100                   | 3            |
| CIV 201     | Statics                                    | PHY 102                            | 3            |
| CIV 242     | Fluid Mechanics                            | CIV 201, MTT 200                   | 3            |
| CIV 242L    | Fluid Mechanics Lab                        | CIV 242 (co-req)                   | 1            |
| CIV 206     | Mechanics of Materials                     | CIV 201                            | 3            |
| CIV 314     | Structural Analysis                        | CIV 206                            | 3            |
| CIV 313     | Construction Materials                     | CIV 206, CHE 205                   | 3            |
| CIV 313L    | Construction Materials Lab                 | CIV 313 (co-req)                   | 1            |
| CIV 343     | Hydraulics                                 | CIV 242                            | 3            |
| CIV 331     | Highway Engineering                        | CIV 205                            | 3            |
| CIV 332     | Fundamentals of Transportation Engineering | CIV 205                            | 3            |
| CIV 324     | Geotechnical Engineering                   | CIV 206 + GOL 205 (co-req)         | 3            |
| CIV 324L    | Geotechnical Engineering Lab               | CIV 324 (co-req)                   | 1            |
| CIV 316     | Structural Systems                         | CIV 314                            | 3            |
| CIV 352     | Fundamentals of Environmental Engineering  | CHE 205, CIV 242                   | 3            |
| CIV 362     | Construction Management                    | ENG 200                            | 3            |
| CIV 401     | Numerical Methods                          | MTT 204, MTT 205 (pre- or co-req)  | 3            |
| CIV 413     | Structural Steel Design                    | CIV 314                            | 3            |
| CIV 318     | Reinforced Concrete Design I               | CIV 314, CIV 313                   | 3            |
| CIV 421     | Foundation Engineering                     | CIV 324                            | 3            |
| CIV 442     | Hydrology and Urban Systems                | CIV 343                            | 3            |
| CIV 399     | Internship                                 | Completing 105 credits             | 3            |
| CIV 497     | Civil Engineering Project I                | Senior Status                      | 1            |
| CIV 498     | Civil Engineering Project II               | CIV 497                            | 3            |



## Major Electives

**6 Credit Hours**

| Course Code                    | Course Title                                   | Prerequisite(s) | Credit Hours |
|--------------------------------|--|-----------------|--------------|
| ME1                            | Major Elective I                               | -               | 3            |
| ME2                            | Major Elective II                              | -               | 3            |
| List of Major Elective Courses |  |                 |              |
| Course Code                    | Course Title                                   | Prerequisite(s) | Credit Hours |
| CIV 405                        | Sustainability in the Built Environment        | CIV 362         | 3            |
| CIV 403                        | Fundamentals of Geographic Information Systems | CIV 205         | 3            |
| CIV 430                        | Traffic Engineering                            | CIV 332         | 3            |
| CIV 416                        | Matrix Methods of Structural Analysis          | CIV 316         | 3            |
| CIV 418                        | Reinforced Concrete Design II                  | CIV 318         | 3            |
| CIV 490                        | Special Topics in Civil Engineering            | Senior Status   | 3            |

<sup>1</sup>Civil Engineering students may choose any two courses for the Major Electives list.

## Open Electives

**3 Credit Hours**

| Course Code | Course Title  | Prerequisite(s) | Credit Hours |
|-------------|---------------|-----------------|--------------|
| OE          | Open Elective | -               | 3            |

<sup>2</sup>Civil engineering students are required to take any 3-credit-hour course from a major other than civil engineering.

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Civil Engineering Study Plan

| First Year (Freshman)          |          |  |           |   |
|--------------------------------|----------|--|-----------|---|
|                                | Code     | Title                                      | Credit    | Prerequisite(s)                             |
| <b>Fall<br/>(Semester 1)</b>   | ARL 100  | Communication Skills in Arabic I           | 3         | No Prerequisite                             |
|                                | STT 100  | General Statistics                         | 3         | No Prerequisite                             |
|                                | MTT 102  | Calculus I                                 | 3         | "C" grade in MTT 101 or Math Placement Test |
|                                | FWS 100  | Academic Skills for Success                | 3         | No Prerequisite                             |
|                                | ISL 100  | Islamic Culture                            | 3         | No Prerequisite                             |
|                                | ENG 200  | English II                                 | 3         | EPT/ENG 102, FWS 100 (Co-req)               |
| <b>Total Credit Hours</b>      |          |  | <b>18</b> |   |
| <b>Spring<br/>(Semester 2)</b> | FWS 211  | Fundamentals of Emotional Intelligence     | 3         | ENG 102 + FWS 100 (Co-req)                  |
|                                | CIV 102  | Computer Aided Drawing                     | 3         | No Prerequisite                             |
|                                | FWS 205  | UAE and GCC Society                        | 3         | ENG 102 + FWS 100                           |
|                                | MTT 200  | Calculus II                                | 3         | MTT 102                                     |
|                                | PHY 102  | Physics and Engineering Applications I     | 3         | MTT 102                                     |
|                                | PHY 102L | Physics and Engineering Applications I Lab | 1         | MTT 102 + PHY 102 (Co-req)                  |
|                                | CIV 104  | Introduction to Civil Engineering          | 3         | MTT 102, ENG 200 co-requisite               |
| <b>Total Credit Hours</b>      |          |  | <b>19</b> |   |

| Second Year (Sophomore)        |          |   |           |                                 |
|--------------------------------|----------|---|-----------|---------------------------------|
|                                | Code     | Title                                       | Credit    | Prerequisite(s)                 |
| <b>Fall<br/>(Semester 3)</b>   | CIV 205  | Introduction to Geomatics                   | 3         | MTT 102, STT 100                |
|                                | PHY 201  | Physics and Engineering Applications II     | 3         | PHY 102                         |
|                                | PHY 201L | Physics and Engineering Applications II Lab | 1         | PHY 102 + PHY 201 (Co-req)      |
|                                | CIV 201  | Statics                                     | 3         | PHY 102                         |
|                                | MTT 201  | Calculus III                                | 3         | MTT 200                         |
|                                | CHE 205  | Chemistry                                   | 3         | ENG 200                         |
|                                | CHE 201L | Chemistry Lab                               | 1         | ENG 200 + CHE 205 (Co-req)      |
| <b>Total Credit Hours</b>      |          |   | <b>17</b> |                                 |
| <b>Spring<br/>(Semester 4)</b> | GOL 205  | Physical Geology                            | 3         | ENG 200                         |
|                                | FWS 305  | Technical Communications for Work Place     | 3         | ENG 200 + Completion of 45 CHs. |
|                                | CIV 206  | Mechanics of Materials                      | 3         | CIV 201                         |
|                                | GEN 200  | Engineering Economy                         | 3         | ENG 200, MTT 102                |
|                                | MTT 204  | Introduction to Linear Algebra              | 3         | MTT 200                         |
|                                | MTT 205  | Differential Equations                      | 3         | MTT 200 + MTT 204 (Co-req)      |
| <b>Total Credit Hours</b>      |          |   | <b>18</b> |                                 |



| Third Year (Junior)    |          |  |        |                                |
|------------------------|----------|--|--------|--------------------------------|
|                        | Code     | Title                                      | Credit | Prerequisite(s)                |
| Fall<br>(Semester 5)   | CIV 314  | Structural Analysis                        | 3      | CIV 206                        |
|                        | CIV 242  | Fluid Mechanics                            | 3      | CIV 201, MTT 200               |
|                        | CIV 242L | Fluid Mechanics Lab                        | 1      | CIV 242 (Co-req)               |
|                        | CIV 313  | Construction Materials                     | 3      | CIV 206, CHE 205               |
|                        | CIV 313L | Construction Materials Lab                 | 1      | CIV 313 (Co-req)               |
|                        | CIV 362  | Construction Management                    | 3      | ENG 200                        |
|                        | CIV 401  | Numerical Methods                          | 3      | MTT 204 + MTT 205 (Co-req)     |
| Total Credit Hours     |          |  | 17     |                                |
| Spring<br>(Semester 6) | CIV 332  | Fundamentals of Transportation Engineering | 3      | CIV 205                        |
|                        | CIV 343  | Hydraulics                                 | 3      | CIV 242                        |
|                        | CIV 352  | Fundamentals of Environmental Engineering  | 3      | CHE 205, CIV 242               |
|                        | CIV 324  | Geotechnical Engineering                   | 3      | CIV 206 + GOL 205 (Co-req)     |
|                        | CIV 324L | Geotechnical Engineering Lab               | 1      | CIV 324 (Co-req)               |
|                        | CIV 316  | Structural Systems                         | 3      | CIV 314                        |
|                        | CIV 318  | Reinforced Concrete Design I               | 3      | CIV 314, CIV 313               |
| Total Credit Hours     |          |  | 19     |                                |
| Summer Semester        | CIV 399  | Internship                                 | 3      | Completion of 105 Credit Hours |

| Fourth Year (Senior)   |         |   |        |                                 |
|------------------------|---------|---|--------|---------------------------------|
|                        | Code    | Title   | Credit | Prerequisite(s)                 |
| Fall<br>(Semester 7)   | CIV 413 | Structural Steel Design                         | 3      | CIV 314                         |
|                        | CIV 497 | Capstone Design Project I                       | 1      | Senior Status                   |
|                        | CIV 421 | Foundation Engineering                          | 3      | CIV 324                         |
|                        | CIV 331 | Highway Engineering                             | 3      | CIV 205                         |
|                        | CIV 442 | Hydrology and Urban Water Systems               | 3      | CIV 343                         |
|                        | ME 1    | Major Elective 1                                | 3      | -                               |
| Total Credit Hours     |         |   | 16     |                                 |
| Spring<br>(Semester 8) | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs. |
|                        | CIV 498 | Capstone Design Project II                      | 3      | CIV 497                         |
|                        | ME 2    | Major Elective 2                                | 3      | -                               |
|                        | CIV 402 | Engineering Ethics                              | 3      | Senior Status                   |
|                        | OE      | Open Elective                                   | 3      | -                               |
| Total Credit Hours     |         |   | 15     |                                 |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





# BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

## ***Introduction***

Computer Engineering involves the design and analysis of computer hardware, software, and networks. Thus, computer engineers work on the hardware, software, and networking aspects of systems design, development, and maintenance in all areas served by technology today including government, education, health, industry, commerce, tourism, and infrastructure. Some of these computerized systems are as small as ones found in thermostats or mobile phones and others are as large as ones found in industrial robots, cars, or data centers. As computer engineers' work emphasizes innovation and hands-on experience, they are also involved in building prototypes to solve problems wherever they arise in society.

Computer engineers support the information technology infrastructure of institutions and companies, which is a key resource for success today. Computer hardware engineers usually design, develop, test, and supervise the manufacturing of computer hardware such as chips or device controllers. Software engineers, on the other

hand, can be involved in the design and development of software systems for control and automation of manufacturing, business, management processes, or mobile devices. They also analyze clients' needs and design or customize existing mobile, web, or standalone applications software to serve these needs. Computer network engineers design, implement, maintain, secure, and support wired and wireless digital communication for institutions and companies without which the core business is disrupted.

The Bachelor of Science in Computer Engineering program at Abu Dhabi University is accredited by the Engineering Accreditation Commission of ABET, [www.abet.org](http://www.abet.org). It has been developed according to the standards of international professional bodies such as the Institute of Electrical and Electronic Engineering (IEEE), the Computer Society (IEEE-CS), and the Association for Information Technology Professionals (AITP). This ensures that the graduates of the program will be uniquely qualified to design, analyze, and test wide-ranging solutions using state-of-the-art technologies.





## ***Program Mission***

The educational mission of the Computer Engineering undergraduate program is to provide students with a multidisciplinary curriculum that is fundamental, yet broad and flexible. The program seeks to produce graduates who are well-rounded in mathematical, scientific, and technical knowledge; who have the ability to analyze, evaluate, and design computer engineering systems; who have the ability to communicate effectively; who have had meaningful opportunities for undergraduate research; and who have acquired an understanding and appreciation for global and societal issues and are thus prepared for a career path toward leadership in industry, government, and academia.

## ***Program Educational Objectives***

The objectives of the Bachelor of Science in Computer Engineering program are to produce graduates who will:

1. Demonstrate their success as computer engineers with a good set of technical problem solving, and leadership accomplishments.
2. Participate in life-long learning activities such as training, continuing education, or graduate studies.
3. Contribute to the development and the growth of local and global communities and uphold their ethical, social, and professional responsibilities.

## ***Program Learning Outcomes***

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to be able to have:

1. an ability to identify, formulate, and solve complex computer engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply computer engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

## **Curriculum**

**Total Credit Hours: 134**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| College Requirements           | 47 credit hours |
| Major Requirements             | 42 credit hours |
| Major Electives                | 9 credit hours  |
| Open Electives                 | 6 credit hours  |



## General Education Requirements

**30 Credit Hours**

| Course Code | Course Title                                    | Prerequisite(s)  | Credit Hours |
|-------------|---|--|--------------|
| ARL 100     | Communication Skills in Arabic I                | No Prerequisite  | 3            |
| FWS 100     | Academic Skills for Success                     | No Prerequisite  | 3            |
| ENG 200     | English II                                      | EPT + Co-req FWS 100 or<br>Passing grade in ENG 102 + FWS 100                              | 3            |
| FWS 305     | Technical Communication for Work Place          | ENG 200 + Completion of 45 CHs.  | 3            |
| FWS 310     | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs.  |              |
| ISL 100     | Islamic Culture                                 | No Prerequisite  | 3            |
| MTT 102     | Calculus I                                      | "C" grade in MTT 101 or Math Placement Test  |              |
| FWS 211     | Fundamentals of Emotional Intelligence          | ENG 102 + FWS 100(E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly | 3            |
| FWS 205     | UAE and GCC Society                             | ENG 102 + FWS 100(E) or FWS 100 (E) as co-req if students enter to ENG 200 course directly | 3            |
| STT 100     | General Statistics                              | No Prerequisite  | 3            |

## College Requirements

**47 Credit Hours**

| Course Code | Course Title  | Prerequisite(s)            | Credit Hours |
|-------------|---|----------------------------|--------------|
| CEN 200     | Introduction to Electrical and Computer Engineering Professions | MTT 101 or equivalent      | 3            |
| MTT 200     | Calculus II   | MTT 102                    | 3            |
| MTT 201     | Calculus III  | MTT 200                    | 3            |
| MTT 202     | Discrete Mathematics  | STT 100                    | 3            |
| MTT 204     | Introduction to Linear Algebra                                  | MTT 200                    | 3            |
| MTT 205     | Differential Equations  | MTT 200 + MTT 204 (Co-req) | 3            |
| STT 201     | Intermediate Statistics and Research Methods                    | STT 100                    | 3            |
| PHY 102     | Physics and Engineering Applications I                          | MTT 102                    | 3            |
| PHY 102L    | Physics and Engineering Applications I Laboratory               | MTT 102 + PHY 102 (Co-req) | 1            |
| PHY 201     | Physics and Engineering Applications II                         | PHY 102                    | 3            |
| PHY 201L    | Physics and Engineering Applications II Laboratory              | PHY 102 + PHY 201 (Co-req) | 1            |
| CSC 201     | Structured Programming  | MTT 101 or or Higher       | 3            |
| CSC 202     | Object Oriented Programming                                     | CSC 201                    | 3            |



|         |                                  |              |   |
|---------|----------------------------------|--------------|---|
| CSC 301 | Data Structures and Algorithms   | CSC 202      | 3 |
| CSC 303 | Digital Logic Design             | CEN 200      | 3 |
| CSC 305 | Data Communications and Networks | Junior Level | 3 |
| CIV 402 | Engineering Ethics               | Senior Level | 3 |

## Major Requirements

**42 Credit Hours**

| Course Code | Course Title                                      | Prerequisite(s)                   | Credit Hours |
|-------------|---|-----------------------------------|--------------|
| CEN 201     | Electric Circuits                                 | CEN 200 or PHY 201                | 3            |
| CEN 304     | Electronic Devices and Circuits                   | CEN 201                           | 3            |
| CSC 311     | Java Programming for the Internet                 | CSC 201                           | 3            |
| CSC 304     | Microprocessor Architecture and Assembly Language | CSC 303                           | 3            |
| CEN 305     | Microprocessors and Firmware Programming          | CSC 201                           | 3            |
| CSC 308     | Operating Systems                                 | CSC 301                           | 3            |
| CEN 399     | Internship  | Completed 90 Credit Hours or more | 3            |
| CEN 464     | Digital Signal Processing                         | CEN 320                           | 3            |
| CEN 320     | Signals and Systems                               | MTT 205                           | 3            |
| CSC 408     | Computer Networks and Distributed Systems         | CSC 305                           | 3            |
| CEN 405     | Embedded Networks                                 | CEN 305, CSC 305 (Co-req)         | 3            |
| CEN 450A    | Capstone Design Project I                         | Senior Level                      | 1            |
| CEN450B     | Capstone Design Project II                        | CEN 450A                          | 2            |
| CEN 415     | Embedded Linux System Design                      | CEN 405, CSC 308 (Co-req)         | 3            |
| CEN 466     | Advanced Digital System Design                    | CSC 303                           | 3            |

## Major Electives

**15 Credit Hours**

| Course Code | Course Title       | Prerequisite(s) | Credit Hours |
|-------------|--------------------|-----------------|--------------|
| ME1         | Major Elective I   | -               | 3            |
| ME2         | Major Elective II  | -               | 3            |
| ME3         | Major Elective III | -               | 3            |
| OE1         | Open Elective I    | -               | 3            |
| OE2         | Open Elective II   | -               | 3            |



| List of Major Electives/Themes*                    |             |  |                 |              |
|--|-------------|--|-----------------|--------------|
| Themes options                                     | Course Code | Course Title                                 | Prerequisite(s) | Credit Hours |
| <b>Application on Development</b>                  | CSC 302     | Database Management Systems                  | MTT 202         | 3            |
|  | CSC 307     | Web Design                                   | CSC 201         | 3            |
|  | CSC 401     | Software Engineering I                       | ITE305          | 3            |
|  | ITE 408     | Information Security                         | CSC 305         | 3            |
|  | ITE 421     | Mobile Applications                          | CSC 201         | 3            |
| <b>Networking, Mobile and Security</b>             | ITE 402     | Computer Networks: Design & Implementation   | CSC 305         | 3            |
|  | ITE 408     | Information Security                         | CSC 305         | 3            |
|  | ITE 420     | Wireless and Mobile Networks                 | CSC 305         | 3            |
|  | ITE 421     | Mobile Applications                          | CSC 201         | 3            |
|  | ITE 422     | Network Administration                       | CSC 305         | 3            |
| <b>Hardware and VLSI Design (Microelectronics)</b> | EEN 471     | Introduction to Microelectronics             | CEN 304         | 3            |
|  | EEN 472     | Analog and Digital Integrated Circuit Design | CEN 304         | 3            |
|  | EEN 473     | RF Integrated Circuit Design                 | CEN 304         | 3            |
|  | CEN 468     | Computer Organization and Design             | CSC 304         | 3            |
|  | EEN 481     | Biomedical Integrated Circuits Design        | CEN 304         | 3            |

\*To satisfy the requirements of a Theme, students need to take 2 courses from the same theme and an additional course from any theme for a total of 9 credits.

\*\*Students can also take CEN490 Special Topics in Computer Engineering and/or ITE490 Special Topics in Information Technology towards any theme.

Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Computer Engineering Study Plan

| First Year (Freshman)   |          |  |        |   |
|-------------------------|----------|--|--------|---|
|                         | Code     | Title  | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 1)    | ARL 100  | Communication Skills in Arabic I                   | 3      | No Prerequisite                             |
|                         | ENG 200  | English II   | 3      | EPT/ENG 102 + FWS 100 (Co-req)              |
|                         | MTT 102  | Calculus I   | 3      | "C" grade in MTT 101 or Math Placement Test |
|                         | STT 100  | General Statistics                                 | 3      | No Prerequisite                             |
|                         | FWS 100  | Academic Skills for Success                        | 3      | No Prerequisite                             |
| Total Credit Hours      |          |  | 15     |   |
| Spring<br>(Semester 2)  | CEN 200  | Introduction to Electrical & Computer Eng          | 3      | MTT 101 or equivalent                       |
|                         | ISL 100  | Islamic Culture                                    | 3      | No Prerequisite                             |
|                         | FWS 211  | Fundamentals of Emotional Intelligence             | 3      | ENG 102 + FWS 100 (Co-req)                  |
|                         | PHY 102  | Physics and Engineering Applications I             | 3      | MTT 102                                     |
|                         | PHY 102L | Physics and Engineering Applications I Laboratory  | 1      | MTT 102 + PHY 102 (Co-req)                  |
|                         | MTT 200  | Calculus II  | 3      | MTT 102                                     |
| Total Credit Hours      |          |  | 16     |   |
| Second Year (Sophomore) |          |  |        |   |
|                         | Code     | Title  | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 3)    | CSC 201  | Structured Programming                             | 3      | MTT 101 or Higher                           |
|                         | PHY 201  | Physics and Engineering Applications II            | 3      | PHY 102                                     |
|                         | PHY 201L | Physics and Engineering Applications II Laboratory | 1      | PHY 102 + PHY 201 (Co-req)                  |
|                         | CSC 303  | Digital Logic Design                               | 3      | CEN 200                                     |
|                         | STT 201  | Intermediate Statistics and Research Methods       | 3      | STT 100                                     |
|                         | MTT 201  | Calculus III                                       | 3      | MTT 200                                     |
| Total Credit Hours      |          |  | 16     |   |
| Spring<br>(Semester 4)  | CSC 202  | Object Oriented Programming                        | 3      | CSC 201                                     |
|                         | CEN 201  | Electric Circuits                                  | 3      | CEN 200 or PHY 201                          |
|                         | MTT 202  | Discrete Mathematics                               | 3      | STT 100                                     |
|                         | MTT 204  | Introduction to Linear Algebra                     | 3      | MTT 200                                     |
|                         | MTT 205  | Differential Equations                             | 3      | MTT 200 + MTT 204 (Co-req)                  |
| Total Credit Hours      |          |  | 15     |   |



| Third Year (Junior)    |         |   |        |                                 |
|------------------------|---------|---|--------|---------------------------------|
|                        | Code    | Title   | Credit | Prerequisite(s)                 |
| Fall<br>(Semester 5)   | CEN 320 | Signals and Systems                               | 3      | MTT 205                         |
|                        | CSC 301 | Data Structures and Algorithms                    | 3      | CSC 202                         |
|                        | CSC 305 | Data Communications and Networks                  | 3      | Junior Level                    |
|                        | CEN 305 | Microprocessors & Firmware Programming            | 3      | CSC 201                         |
|                        | FWS 305 | Technical Communication for Work Place            | 3      | ENG 200 + Completion of 45 CHs. |
|                        | OE1     | Open Elective I                                   | 3      | -                               |
| Total Credit Hours     |         |   | 18     |                                 |
| Spring<br>(Semester 6) | CSC 304 | Microprocessor Architecture and Assembly Language | 3      | CSC 303                         |
|                        | CSC 308 | Operating Systems                                 | 3      | CSC 301                         |
|                        | CSC 311 | Java Programming for the Internet                 | 3      | CSC 201                         |
|                        | ME 1    | Major Elective I                                  | 3      | -                               |
|                        | FWS 310 | Fundamentals of Innovation and Entrepreneurship   | 3      | ENG 200 + Comp. of 60 CHs.      |
|                        | FWS 205 | UAE and GCC Society                               | 3      | ENG 102 + FWS 100 (Co-req)      |
| Total Credit Hours     |         |   | 18     |                                 |
| Summer Semester        | CEN 399 | Internship  | 3      | 90 Credit Hours                 |

| Fourth Year (Senior)   |          |   |        |                                |
|------------------------|----------|---|--------|--------------------------------|
|                        | Code     | Title                                     | Credit | Prerequisite(s)                |
| Fall<br>(Semester 7)   | CEN 304  | Electronic Devices and Circuits           | 3      | CEN 201                        |
|                        | CEN 405  | Embedded Networks                         | 3      | CEN 305 + CSC 305 Co-requisite |
|                        | CEN 466  | Advanced Digital System Design            | 3      | CSC 303                        |
|                        | ME 2     | Major Elective II                         | 3      | -                              |
|                        | ME 3     | Major Elective III                        | 3      | -                              |
|                        | CEN 450A | Computer Engineering Design Project I     | 1      | Senior Level                   |
| Total Credit Hours     |          |   | 16     |                                |
| Spring<br>(Semester 8) | CEN 415  | Embedded Linux System Design              | 3      | CEN 405 + CSC 308 co-requisite |
|                        | CEN 450B | Computer Engineering Design Project II    | 2      | EEN 450A                       |
|                        | CEN 464  | Digital Signal Processing                 | 3      | CEN 320                        |
|                        | CIV 402  | Engineering Ethics                        | 3      | Senior Level                   |
|                        | CSC 408  | Computer Networks and Distributed Systems | 3      | CSC 305                        |
|                        | OE 2     | Open Elective II                          | 3      | -                              |
| Total Credit Hours     |          |   | 17     |                                |



# BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

## **Introduction**

Electrical Engineering is concerned with electrical and electronic devices and systems essential to contemporary life. It is a rapidly advancing field that has a significant impact on shaping modern societies.

Electrical Engineering includes electronic and computer systems, control and electrical power and renewable energy systems, telecommunications, and microelectronics. It is concerned with the way electrical energy is produced and used at homes, communities and the industry.

Electrical engineers design and build the systems and machines that generate, transmit, measure, control and use electrical energy. They work with various types of equipment ranging from heavy power generators to tiny computer chips, and their work contributes to almost every sector of the society. For example, they may work on the design of telecommunication systems, the operation of electric power stations, the lighting and wiring of buildings, the design of household appliances or the electrical control of industrial machinery or in designing and fabricating integrated circuits.

The Bachelor of Science in Electrical Engineering program at Abu Dhabi University is accredited by the Engineering Accreditation Commission of ABET, [www.abet.org](http://www.abet.org). The Electrical Engineering program at Abu Dhabi University has been developed according to the standards of international professional bodies such as the Institute of Electrical and Electronic Engineering (IEEE). This ensures that graduates of the program will be uniquely qualified to design, analyze, and test wide-ranging solutions for state-of-the-art electrical and electronic systems.

## **Program Mission**

The educational mission of the Electrical Engineering undergraduate program is to provide students with a high-quality education through well-developed curriculum that is fundamental, yet broad and flexible. The program seeks to produce graduates who are well-rounded in mathematical, scientific, and technical knowledge; who are prepared for the practice of electrical engineering with sufficient depth to continue their education beyond the baccalaureate degree; who have the ability to analyze, evaluate, and design electrical engineering systems; who have the ability to communicate effectively; who have gained sufficient awareness of the current and emerging industrial practices through participation in industrial

internship experiences; and who have acquired an understanding of and appreciation for global and societal issues and are thus prepared for a career path towards leadership in industry, government, and academia.

## **Program Educational Objectives**

The objectives of the Bachelor of Science in Electrical Engineering program are to produce graduates who will:

1. Demonstrate their success as electrical engineers with a good set of technical, problem solving, and leadership accomplishments.
2. Participate in life-long learning activities such as training, continuing education, or graduate studies.
3. Contribute to the development and the growth of local and global communities and uphold their ethical, social, and professional responsibilities.

## **Program Learning Outcomes**

1. an ability to identify, formulate, and solve complex electrical engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply electrical engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.





## Curriculum

**Total Credit Hours: 135**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| College Requirements           | 36 credit hours |
| Major Requirements             | 51 credit hours |
| Major Electives                | 9 credit hours  |
| Open Electives                 | 9 credit hours  |

## General Education Requirements

**30 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)  | Credit Hours |
|---------------|---|--|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite  | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite  | 3            |
| ENG 200       | English II                                      | EPT + Co-req FWS 100 or Passing grade in ENG 102 + FWS 100 | 3            |
| FWS 305       | Technical Communication for Work Place          | ENG 200 + Completion of 45 CHs.                            | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs                             | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite  | 3            |
| MTT 102       | Calculus I                                      | Math Placement Test/MTT 101 (C grade)                      | 3            |



|         |  |   |   |
|---------|--|---|---|
| FWS 211 | Fundamentals of Emotional Intelligence | ENG102+ FWS100(E ) or FWS100(E)<br>as co-requisite if students enter to<br>ENG200 course directly | 3 |
| FWS 205 | UAE and GCC Society                    | ENG102+ FWS100(E ) or FWS100(E)<br>as co-requisite if students enter to<br>ENG200 course directly | 3 |
| STT 100 | General Statistics                     | No Prerequisite   | 3 |

## College Requirements

**36 Credit Hours**

| Course Code | Course Title                                      | Prerequisite(s)            | Credit Hours |
|-------------|---|----------------------------|--------------|
| MTT 200     | Calculus II                                       | MTT 102                    | 3            |
| MTT 201     | Calculus III                                      | MTT 200                    | 3            |
| MTT 204     | Introduction to Linear Algebra                    | MTT 200                    | 3            |
| MTT 205     | Differential Equations                            | MTT 200 + MTT 204 (Co-req) | 3            |
| PHY 102     | Physics and Engineering Applications I            | MTT 102                    | 3            |
| PHY 102L    | Physics and Engineering Applications I Lab        | MTT 102 + PHY 102 (Co-req) | 1            |
| PHY 201     | Physics and Engineering Applications II           | PHY 102                    | 3            |
| PHY 201L    | Physics and Engineering Applications II Lab       | PHY 102 + PHY 201 (Co-req) | 1            |
| CHE 205     | General Chemistry I                               | ENG 200                    | 3            |
| CHE 201L    | Chemistry Lab                                     | ENG 200 + CHE 205 (Co-req) | 1            |
| CEN 200     | Introduction to Electrical & Computer Engineering | MTT 101 or equivalent      | 3            |
| CSC 201     | Structured Programming                            | MTT 101 or Higher          | 3            |
| GEN 200     | Engineering Economy                               | ENG 200 + MTT 102          | 3            |
| CIV 402     | Engineering Ethics                                | Senior level               | 3            |

## Major Requirements

**51 Credit Hours**

| Course Code | Course Title                             | Prerequisite(s)                | Credit Hours |
|-------------|--|--------------------------------|--------------|
| CEN 201     | Electric Circuits                        | CEN 200 or PHY 201             | 3            |
| CEN 304     | Electronic Devices and Circuits          | CEN 201                        | 3            |
| CEN 305     | Microprocessors and Firmware Programming | CSC 201                        | 3            |
| CEN 320     | Signals and Systems                      | MTT 205                        | 3            |
| CSC 305     | Data Communications and Networks         | Junior Level                   | 3            |
| EEN 210     | Digital Circuits                         | CEN 200                        | 3            |
| EEN 220     | Electric Circuits II                     | CEN 201                        | 3            |
| EEN 360     | Electronics Circuits                     | CEN 304                        | 3            |
| EEN 330     | Random Signals and Noise                 | CEN 320                        | 3            |
| EEN 335     | Introduction to Communication Systems    | CEN 320                        | 3            |
| EEN 336     | Communication Systems                    | EEN 330, EEN 335               | 3            |
| EEN 338     | Electromagnetic Fields and Waves         | MTT 201 (Co), MTT 205, PHY 201 | 3            |



|          |                            |                  |   |
|----------|----------------------------|------------------|---|
| EEN 340  | Energy Conversion          | EEN 220, EEN 338 | 3 |
| EEN 345  | Power Systems              | EEN 220          | 3 |
| EEN 365  | Control Systems            | MTT 204, CEN 320 | 3 |
| EEN 399  | Internship                 | 90 credit hours  | 3 |
| EEN 450A | Capstone Design Project I  | Senior Level     | 1 |
| EEN 450B | Capstone Design Project II | EEN 450A         | 2 |

## Major and Open Electives

**18 Credit Hours**

| Course Code | Course Title       | Prerequisite(s) | Credit Hours |
|-------------|--------------------|-----------------|--------------|
| ME1         | Major Elective I   | -               | 3            |
| ME2         | Major Elective II  | -               | 3            |
| ME3         | Major Elective III | -               | 3            |
| OE1         | Open Elective I    | -               | 3            |
| OE2         | Open Elective II   | -               | 3            |
| OE3         | Open Elective III  | -               | 3            |

| Major Electives/Themes*                            |             |  |                   |              |
|--|-------------|--|-------------------|--------------|
| Themes options                                     | Course Code | Course Title                                 | Prerequisite(s)   | Credit Hours |
| <b>Communications</b>                              | EEN 430     | Radiowave Propagation                        | EEN 338 + EEN 335 | 3            |
|  | EEN 433     | Antenna Engineering                          | EEN 338 + EEN 335 | 3            |
|  | EEN 435     | Wireless Communication                       | EEN 335           | 3            |
|  | EEN 437     | Communication Circuits                       | EEN 336 , EEN 360 | 3            |
|  | CEN 464     | Digital Signal Processing                    | CEN 320           | 3            |
| <b>Power Systems and Renewable Energy</b>          | EEN 440     | Power Electronics                            | EEN 360           | 3            |
|  | EEN 443     | Power Distribution                           | EEN 345           | 3            |
|  | EEN 445     | Power System Protection                      | EEN 345           | 3            |
|  | EEN 447     | Machine Drives                               | EEN 340 + EEN 440 | 3            |
|  | EEN449      | Renewable Energy                             | EEN 345           | 3            |
| <b>Hardware and VLSI Design (Microelectronics)</b> | EEN 471     | Introduction to Microelectronics             | CEN 304           | 3            |
|  | EEN 472     | Analog and Digital Integrated Circuit Design | CEN 304           | 3            |
|  | EEN 473     | RF Integrated Circuit Design                 | CEN 304           | 3            |
|  | CEN 468     | Computer Organization and Design             | CSC 304           | 3            |
|  | EEN 481     | Biomedical Integrated Circuits Design        | CEN 304           | 3            |

\*To satisfy the requirements of a Theme, students need to take 2 courses from the same theme and an additional course from any theme for a total of 9 credits.

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmsAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Electrical Engineering Study Plan

| First Year (Freshman)   |               |   |        |  |
|-------------------------|---------------|---|--------|--|
|                         | Code          | Title   | Credit | Prerequisite(s)  |
| Fall<br>(Semester 1)    | ARL 100 (A/E) | Communication Skills in Arabic I                      | 3      | No Prerequisite  |
|                         | ENG 200       | English II  | 3      | EPT + Co-req FWS 100 or Passing grade in ENG 102 + FWS 100 |
|                         | STT 100       | General Statistics                                    | 3      | No Prerequisite  |
|                         | FWS 100       | Academic Skills for Success                           | 3      | No Prerequisite  |
|                         | MTT 102       | Calculus I  | 3      | Math Placement Test/MTT 101 (C grade)                      |
| Total Credit Hours      |               |   | 15     |  |
| Spring<br>(Semester 2)  | ISL 100 (A/E) | Islamic Culture                                       | 3      | No Prerequisite  |
|                         | PHY 102       | Physics and Engineering Applications I                | 3      | MTT 102  |
|                         | PHY 102L      | Physics and Engineering Applications I Lab            | 1      | MTT 102 + PHY 102 (Co-req)                                 |
|                         | MTT 200       | Calculus II   | 3      | MTT 102  |
|                         | FWS 205       | UAE and GCC Society                                   | 3      | ENG 102 + FWS 100 (co-req)                                 |
|                         | CEN 200       | Introduction to Electrical and Comp. Eng. Professions | 3      | MTT 101 or equivalent                                      |
| Total Credit Hours      |               |   | 15     |  |
| Second Year (Sophomore) |               |   |        |  |
|                         | Code          | Title   | Credit | Prerequisite(s)  |
| Fall<br>(Semester 3)    | CSC 201       | Structured Programming                                | 3      | MTT 101 or Higher  |
|                         | EEN 210       | Digital Circuits                                      | 3      | CEN 200  |
|                         | MTT 201       | Calculus III  | 3      | MTT 200  |
|                         | CHE 205       | General Chemistry I                                   | 3      | ENG 200  |
|                         | CHE 201L      | Chemistry Lab   | 1      | ENG 200 + CHE 205 (Co-req)                                 |
|                         | PHY 201       | Physics and Engineering Applications II               | 3      | PHY 102  |
|                         | PHY 201L      | Physics and Engineering Applications II Lab           | 1      | PHY 102 + PHY 201 (Co-req)                                 |
| Total Credit Hours      |               |   | 17     |  |
| Spring<br>(Semester 4)  | CEN 201       | Electric Circuits                                     | 3      | CEN 200 or PHY 201   |
|                         | OE 1          | Open Elective I                                       | 3      | -  |
|                         | GEN 200       | Engineering Economy                                   | 3      | ENG 200 + MTT 102  |
|                         | MTT 204       | Introduction to Linear Algebra                        | 3      | MTT 200  |
|                         | MTT 205       | Differential Equations                                | 3      | MTT 200 + MTT 204 (Co-req)                                 |
| Total Credit Hours      |               |   | 15     |  |



| Third Year (Junior)    |          |   |        |                                 |
|------------------------|----------|---|--------|---------------------------------|
|                        | Code     | Title   | Credit | Prerequisite(s)                 |
| Fall<br>(Semester 5)   | FWS305   | Technical Communication for Work Place          | 3      | ENG 200 + Completion of 45 CHs. |
|                        | EEN 220  | Circuits II                                     | 3      | CEN 201                         |
|                        | CEN 304  | Electronic Devices and Circuits                 | 3      | CEN 201                         |
|                        | CEN 320  | Signals and Systems                             | 3      | MTT 205                         |
|                        | EEN 338  | Electromagnetic Fields and Waves                | 3      | MTT 201, MTT 205, PHY 201       |
|                        | CEN 305  | Microprocessors and Firmware Program            | 3      | CSC 201                         |
| Total Credit Hours     |          |   | 18     |                                 |
| Spring<br>(Semester 6) | EEN 330  | Random Signals and Noise                        | 3      | CEN 320                         |
|                        | EEN 335  | Introduction to Communication Systems           | 3      | CEN 320                         |
|                        | EEN 340  | Energy Conversion                               | 3      | EEN 220, EEN 338                |
|                        | EEN 345  | Power Systems                                   | 3      | EEN 220                         |
|                        | EEN 360  | Electronics Circuits                            | 3      | CEN 304                         |
|                        | FWS 310  | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs  |
| Total Credit Hours     |          |   | 18     |                                 |
| Summer Semester        | EEN 399i | Internship                                      | 3      | 90 Credit Hours                 |

| Fourth Year (Senior)   |          |  |        |                        |
|------------------------|----------|--|--------|------------------------|
|                        | Code     | Title                                    | Credit | Prerequisite(s)        |
| Fall<br>(Semester 7)   | EEN 336  | Communication systems                    | 3      | EEN 330, EEN 335       |
|                        | CSC 305  | Data Communications and Networks         | 3      | Junior Level           |
|                        | ME 1     | Major Elective 1                         | 3      | -                      |
|                        | ME 2     | Major Elective 2                         | 3      | -                      |
|                        | FWS 210  | General Psychology                       | 3      | ENG 102 + (Co) UNS 102 |
|                        | EEN 450A | Electrical Engineering Design Project I  | 1      | Senior Level           |
| Total Credit Hours     |          |  | 16     |                        |
| Spring<br>(Semester 8) | EEN 450B | Electrical Engineering Design Project II | 2      | -                      |
|                        | CIV 402  | Engineering Ethics                       | 3      | -                      |
|                        | EEN 365  | Control Systems                          | 3      | MTT 204 + CEN 320      |
|                        | ME 3     | Major Elective 3                         | 3      | -                      |
|                        | OE 2     | Open Elective 2                          | 3      | -                      |
|                        | OE 3     | Open Elective 3                          | 3      | -                      |
| Total Credit Hours     |          |  | 17     |                        |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



# BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

## ***Introduction***

Information Technology (IT) is concerned with studying various areas that are related to meeting user's needs in various activities of computing technology. The Information Technology (IT) program is designed to educate students about the current trends of IT that offer a better potential for employability. Students will acquire the core knowledge needed for IT professionals and, at the same time, have specific knowledge in specialized areas. The program is structured as a set of core courses and three concentrations. Through these concentrations, students will learn up-to-date knowledge in this fast growing field and increase their chances to find jobs.

These concentrations will focus on web technology and internet applications, networking, mobile applications and security, and interactive media, game programming and simulation. Moreover, students will be offered the opportunity to do a practical project. This project oriented approach will improve their learning curve and help them to have a hands-on experience. Moreover, the IT program at Abu Dhabi University is designed with conformance to international standards and guidelines. This ensures that graduates of the program will be uniquely qualified to design, analyze, integrate, and administer computing technology.

## ***Program Mission***

The mission of the Information Technology Department is to offer student-centric degree programs that prepare students for highly rewarding careers in the technology sector and empower their contribution to the UAE and regional growth through excellence in teaching, and to meet the development needs of the country and the region through faculty scholarship and community service.

## ***Program Objectives***

The B.Sc. IT Program provides undergraduates with the broad technical education necessary for productive employment in the public or private sector, and it develops in them an understanding of fundamentals and current issues important for future years of learning. Our program educational objectives are:

- Demonstrate their success as IT professionals with a good set of technical, problem solving, and leadership accomplishments.
- Participate in life-long learning activities such as training, continuing education, or graduate studies.
- Contribute to the development and the growth of local and global communities and uphold their ethical, social, and professional responsibilities.





## ***Program Learning Outcomes***

The IT program is specifically designed to provide the IT graduates with the knowledge and skills needed to succeed in workplace and in advanced studies.

The following program outcomes describe competencies and skills that B.Sc. IT students will acquire by the time of graduation. B.Sc. IT graduates are expected to be able to:

- a. Apply knowledge of computing and mathematics appropriate to the discipline.
- b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
- c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- d. Function effectively on teams to accomplish a common goal.
- e. Demonstrate an understanding of professional, ethical, legal, security and social issues and responsibilities.
- f. Communicate effectively with a range of audiences.
- g. Analyze the local and global impact of computing on individuals, organizations, and society.
- h. Recognize of the need for and an ability to engage in continuing professional development.
- i. Use current techniques, skills, and tools necessary for computing practice.
- j. Use and apply current technical concepts and practices in the core information technologies (of human computer interaction, information management, programming, networking, and web systems and technologies).
- k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
- l. Effectively integrate IT-based solutions into the user environment.
- m. Demonstrate an understanding of best practices and standards and their application.
- n. Assist in the creation of an effective project plan.



## Curriculum

**Total Credit Hours: 129**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 36 credit hours |
| College Requirements           | 36 credit hours |
| Major Requirements             | 39 credit hours |
| Major Electives                | 12 credit hours |
| Open Electives                 | 6 credit hours  |

### General Education Requirements

**36 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)   | Credit Hours |
|---------------|---|---|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite   | 3            |
| ENG 200       | English II                                      | * EPT/ENG 102 (C grade) + (Co) UNS 102  | 3            |
| FWS 305       | Technical Communication for Work Place          | ENG 200 + Completion of 45 CHs.   | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite   | 3            |
| MTT 101       | Pre-Calculus                                    | MTH 100 or MPT  | 3            |
| MTT 102       | Calculus I                                      | MTT 101   | 3            |
| NSC 201       | Natural Sciences                                | No Prerequisite   | 3            |
| FWS 211       | Fundamentals of Emotional Intelligence          | ENG102+ FWS100(E ) or FWS100(E) as co-requisite if students enter to ENG200 course directly | 3            |
| FWS 205       | UAE and GCC Society                             | ENG 102 + (Co) UNS 102  | 3            |
| STT 100       | General Statistics                              | No Prerequisite   | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite   | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs.   | 3            |

### College Requirements

**36 Credit Hours**

| Course Code | Course Title                     | Prerequisite(s)    | Credit Hours |
|-------------|----------------------------------|--------------------|--------------|
| CSC 201     | Structured Programming           | MTT 101 or MTT 102 | 3            |
| CSC 202     | Object Oriented Programming      | CSC 201            | 3            |
| CSC 301     | Data Structures and Algorithms   | CSC 202            | 3            |
| CSC 302     | Database Management Systems      | MTT 202            | 3            |
| CSC 305     | Data Communications and Networks | Junior Level       | 3            |
| CSC 399     | Internship/Project in CS         | 90 Credit Hours    | 3            |





|          |  |                                    |   |
|----------|--|------------------------------------|---|
| ITE 305  | Systems Analysis and Design                  | Junior Level/Consent of Department | 3 |
| ITE 390  | Computer Ethics                              | Junior Level/Consent of Department | 3 |
| ITE 499A | Capstone Project I                           | 90 credit-hours                    | 3 |
| ITE 499B | Capstone Project II                          | ITE 499A                           | 3 |
| MTT 202  | Discrete Mathematics                         | MTT 101                            | 3 |
| STT 201  | Intermediate Statistics and Research Methods | STT 100                            | 3 |

## Major Requirements

## 39 Credit Hours

| Compulsory Courses (39 Credit Hours) |   |                                |              |
|--------------------------------------|---|--------------------------------|--------------|
| Course Code                          | Course Title                                | Prerequisite(s)                | Credit Hours |
| CSC 308                              | Operating systems                           | CSC 301                        | 3            |
| CSC 401                              | Software Engineering I                      | ITE 305                        | 3            |
| CIS 401                              | Advanced Database Management Systems        | CSC 302                        | 3            |
| CIS 408                              | Distributed Information Systems             | CSC 305 + (CSC 202 or CSC 311) | 3            |
| CSC 307                              | Web Design                                  | CSC 201                        | 3            |
| CIS 404                              | Data Warehousing and Data Mining            | CSC 302                        | 3            |
| ITE 401                              | IT Project Management                       | Senior Level/consent           | 3            |
| ITE 409                              | Human Computer Interactions                 | Senior Level/consent           | 3            |
| ITE 408                              | Information Security                        | CSC 305                        | 3            |
| CSC 311                              | Java Programming for the Internet           | CSC 201                        | 3            |
| ITE 414                              | Introduction to E-commerce                  | Junior level                   | 3            |
| ITE 402                              | Computer Networks Design and Implementation | CSC 305                        | 3            |
| ITE 422                              | Networks Administration                     | CSC 305                        | 3            |

## Major Electives

## 12 Credit Hours

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| ME1         | Major Elective 1 | -               | 3            |
| ME2         | Major Elective 2 | -               | 3            |
| ME3         | Major Elective 3 | -               | 3            |
| ME4         | Major Elective 4 | -               | 3            |

\*Note: To satisfy Major Elective requirements, a student must take 12 credit hours from one concentration. The concentrations are shown in Table 2.



## Open Electives

**6 Credit Hours**

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| OE1         | Open Elective I  | -               | 3            |
| OE2         | Open Elective II | -               | 3            |

| Concentrations   |   |                            |         |
|--|---|----------------------------|---------|
| C1: Web Technologies and Applications (12 Credit Hours)                  |   |                            |         |
| Course Code  | Course Title                            | Prerequisite(s)            | Credits |
| ITE 410  | Web Programming                         | CSC 307                    | 3       |
| ITE 412  | Web Productivity Tools                  | ITE 410                    | 3       |
| CSC 404  | Computer Graphics and Animation         | CSC 301                    | 3       |
| ITE 415  | Advanced E-commerce Applications Design | ITE 414                    | 3       |
| ITE 490  | Selected Topics in IT                   | Determined based on topics | 3       |
| C2: Networking, Mobile and Security (12 Credit Hours)                    |   |                            |         |
| Course Code  | Course Title                            | Prerequisite(s)            | Credits |
| ITE 420  | Wireless and Mobile Networks            | CSC 305                    | 3       |
| ITE 421  | Mobile Applications                     | CSC 201                    | 3       |
| ITE 423  | Network Programming                     | CSC 305 + CSC 311          | 3       |
| ITE 424  | Enterprise Network Security             | ITE 408                    | 3       |
| ITE 490  | Selected Topics in IT                   | Determined based on topics | 3       |
| C3: Interactive Media, Game Programming and Simulation (12 Credit Hours) |   |                            |         |
| Course Code  | Course Title                            | Prerequisite(s)            | Credits |
| ITE 430  | Digital Game Design and Programming     | ITE 409 + CSC 404          | 3       |
| ITE 431  | 3D Game and Simulation                  | ITE 430                    | 3       |
| ITE 432  | Collaborative Game Design               | ITE 430                    | 3       |
| CSC 406  | Artificial intelligence                 | Senior Level               | 3       |
| ITE 490  | Selected Topics in IT                   | Determined based on topics | 3       |

Table 2: Concentrations C1, C2 and C3

\*\*Students can also take CEN490 Special Topics in Computer Engineering and/or ITE 490 Special Topics in Information Technology towards any theme.

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Information Technology Study Plan

| First Year (Freshman)   |               |   |        |  |
|-------------------------|---------------|---|--------|--|
|                         | Code          | Title   | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 1)    | ARL 100 (A/E) | Communication Skills in Arabic I                | 3      | No Prerequisite                                |
|                         | FWS 100       | Academic Skills for Success                     | 3      | No Prerequisite                                |
|                         | ENG 200       | English II                                      | 3      | * EPT/ENG 102 (C grade) +<br>(Co) UNS 102      |
|                         | MTT 101       | Pre-Calculus                                    | 3      | "C" grade in MTG 100 or<br>Math Placement Test |
|                         | STT 100       | General Statistics                              | 3      | No Prerequisite                                |
| Total Credit Hours      |               |   | 15     |  |
| Spring<br>(Semester 2)  | MTT 202       | Discrete Mathematics                            | 3      | MTT 101  |
|                         | FWS 205       | UAE and GCC Society                             | 3      | ENG 102 + FWS 100 (co-<br>req)                 |
|                         | MTT 102       | Calculus I                                      | 3      | "C" grade in MTT 101 or<br>Math Placement Test |
|                         | FWS 211       | Fundamentals of Emotional Intelligence          | 3      | ENG 102 + FWS 100 (co-<br>req)                 |
|                         | OE1           | Open Elective I                                 | 3      | -  |
| Total Credit Hours      |               |   | 15     |  |
| Second Year (Sophomore) |               |   |        |  |
|                         | Code          | Title   | Credit | Prerequisite(s)                                |
| Fall<br>(Semester 3)    | CSC 201       | Structured Programming                          | 3      | MTT 101 or MTT 102                             |
|                         | CSC 302       | Database Management Systems                     | 3      | MTT 202  |
|                         | STT 201       | Intermediate Statistics and Research<br>Methods | 3      | STT 100  |
|                         | OE2           | Open Elective II                                | 3      | -  |
|                         | ISL 100 (A/E) | Islamic Culture                                 | 3      | No Prerequisite                                |
| Total Credit Hours      |               |   | 15     |  |
| Spring<br>(Semester 4)  | CSC 202       | Object Oriented Programming                     | 3      | CSC 201  |
|                         | CSC 311       | Java Programming for the Internet               | 3      | CSC 201  |
|                         | NSC 201       | Natural Sciences                                | 3      | No Prerequisite                                |
|                         | CSC 307       | Web Design                                      | 3      | CSC 201  |
|                         | FWS 305       | Technical Communication for Work Place          | 3      | ENG 200 + Completion of<br>45 CHs.             |
| Total Credit Hours      |               |   | 15     |  |



| Third Year (Junior)    |         |   |        |                                |
|------------------------|---------|---|--------|--------------------------------|
|                        | Code    | Title   | Credit | Prerequisite (s)               |
| Fall<br>(Semester 5)   | CSC 301 | Data Structures and Algorithms                  | 3      | CSC 202                        |
|                        | ITE 390 | Computer Ethics                                 | 3      | Junior Level/Consent of Dept.  |
|                        | CSC 305 | Data Communications and Networks                | 3      | Junior Level                   |
|                        | ITE 305 | Systems Analysis and Design                     | 3      | Junior Level/Consent of Dept.  |
|                        | ITE 414 | Introduction to E-Commerce                      | 3      | Junior Level                   |
| Total Credit Hours     |         |   | 15     |                                |
| Spring<br>(Semester 6) | CSC 308 | Operating Systems                               | 3      | CSC 301                        |
|                        | ITE 402 | Computer Networks Design and Implementation     | 3      | CSC 305                        |
|                        | FWS 310 | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs |
|                        | ITE 422 | Network Administration                          | 3      | CSC 305                        |
|                        | ME1     | Major Elective I                                | 3      | -                              |
|                        | CIS 401 | Advanced Database Management Systems            | 3      | CSC 302                        |
| Total Credit Hours     |         |   | 18     |                                |
| Summer Semester        | CSC 399 | Internship/Project in CS                        | 3      | 90 Credit Hours                |

| Fourth Year (Senior)   |          |                                  |        |                                |
|------------------------|----------|----------------------------------|--------|--------------------------------|
|                        | Code     | Title                            | Credit | Prerequisite(s)                |
| Fall<br>(Semester 7)   | CSC 401  | Software Engineering I           | 3      | ITE 305                        |
|                        | ITE 409  | Human Computer Interaction       | 3      | Senior Level/Consent           |
|                        | ITE 499A | Capstone Project (Part I)        | 3      | 90 credits                     |
|                        | ITE 408  | Information Security             | 3      | CSC 305                        |
|                        | ME2      | Major Elective II                | 3      | -                              |
|                        | ME3      | Major Elective III               | 3      | -                              |
| Total Credit Hours     |          |                                  | 18     |                                |
| Spring<br>(Semester 8) | CIS 404  | Data Warehousing and Data Mining | 3      | CSC 302                        |
|                        | CIS 408  | Distributed Information Systems  | 3      | CSC 305 + (CSC 202 or CSC 311) |
|                        | ITE 401  | IT Project Management            | 3      | Senior Level/Consent           |
|                        | ITE 499B | Capstone Project (Part II)       | 3      | ITE 499A                       |
|                        | ME 4     | Major Elective IV                | 3      | -                              |
| Total Credit Hours     |          |                                  | 15     |                                |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



# BACHELOR OF SCIENCE IN INTERIOR DESIGN



## ***Introduction***

Interior Design is about the planning, design, construction and operation of indoor facilities essential to modern life, ranging from indoor space planning, enhancing the quality of our indoor environment, to accommodating human activities inside all types of buildings such as shopping malls, hospitals, hotels, professional offices, educational institutions, private homes, shops, and much more. These issues establish the fundamental framework of the instructional, research and service programs in interior design. Societal needs, economic conditions and public safety are paramount in the work accomplished by interior designers. High-tech tools such as computer aided design (CAD) and 3-D computer modeling are a necessity in all areas of interior design.

Both private companies and public agencies seek interior designers for a variety of professional positions. Many work for engineering and architecture consulting firms or construction companies as interior designers and interior project managers. Graduates are equally prepared to pursue M.Sc. and Ph.D. degrees in allied fields of architecture and design.

## ***Program Mission***

The educational mission of the Interior Design Program is to provide students with a multidisciplinary curriculum that is fundamental, yet broad and flexible. The program seeks to produce graduates who are well-rounded in mathematical, scientific, and technical knowledge; who have the ability to analyze, evaluate, and design interior systems; who have the ability to communicate effectively; who have had meaningful opportunities for undergraduate research; and who have acquired an understanding and appreciation for global and societal issues and are thus prepared for a career path toward leadership in industry, government, and academia.



## ***Program Objectives***

The following program objectives are broad statements that describe the career and professional accomplishments, which should be achieved during the first few years following our students' graduation. Overall, our graduates are expected to:

1. Demonstrate knowledge of the historical context, the state-of-the-art, and emerging issues in the field of interior design and its role in contemporary society;
2. Demonstrate critical reasoning and requisite quantitative skills to identify, formulate, and resolve interior design problems, and to create designs that reflect economic, environmental, and social sensitivities;
3. Demonstrate a systems viewpoint, critical thinking, effective communication and interpersonal skills, a spirit of curiosity, and reflection in a professional and ethical manner;
4. Display commitment to life-long learning and professional development, involvement in professional activity and public service, and achievement of professional licensure; and
5. Demonstrate broad intellectual training for success in multidisciplinary professional practice, in interior design or diverse related careers, and toward achieving leadership roles in industry, government, and academia.

## ***Program Learning Outcomes***

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to be able to:

1. Communicate effectively, orally, in writing as well as graphically using manual techniques as well as digital tools to generate, evaluate, develop and communicate ideas;
2. Gather, assess and record and apply relevant information and raise clear precise questions, interpret information, consider diverse points of view, reach well-reasoned conclusions, and test them against relevant criteria;
3. Resolve the needs of the client, owner and user taking into consideration the relationship between human behavior and the physical environment and the diverse needs, values, norms, abilities, and socioeconomic patterns that characterize different locations, cultures and individuals;
4. Prepare a comprehensive program for an interior design project, including assessment of client and user needs, critical review of appropriate precedents, an inventory of space requirements, an analysis of site conditions, a review of relevant codes, laws and standards, and a definition of design assessment criteria;
5. Produce a comprehensive interior design project solution that includes the development of programmed spacing while integrating lighting, color schemes, furniture, life-safety provisions and the principles of sustainability;
6. Select and apply construction materials, products, components, furniture and building assemblies to prepare technically precise drawings, outline specifications and estimates of construction costs and life-cycle cost for a proposed design;
7. Assess, select and conceptually integrate different building environmental, electro-mechanical and structural systems into interior design; and
8. Demonstrate an understanding of the legal aspects and ethical issues of practice organization and management as well as the role of professional development, and the need to provide leadership in the building design and construction process.



## Curriculum

**Total Credit Hours: 132**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| Major Requirements             | 96 credit hours |
| Open Electives                 | 6 credit hours  |

### General Education Requirements

**30 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)                             | Credit Hours |
|---------------|---|---|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite                             | 3            |
| ENG 200       | English II                                      | * EPT/ENG 102 (C grade) + (Co) UNS 102      | 3            |
| FWS 305       | Technical Communication for Work Place          | ENG 200 + Completion of 45 CHs              | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite                             | 3            |
| STT 100       | General Statistics                              | No Prerequisite                             | 3            |
| MTT 101       | Pre-Calculus                                    | "C" grade in MTG 100 or Math Placement Test | 3            |
| NSC 201       | Natural Sciences                                | No Prerequisite                             | 3            |
| FWS 205       | UAE and GCC Society                             | ENG 102 + (Co) UNS 102                      | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite                             | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs              | 3            |

### Major Requirements

**96 Credit Hours**

| Course Code | Course Title                          | Prerequisite(s)             | Credit Hours |
|-------------|---------------------------------------|-----------------------------|--------------|
| IND 100     | Introduction to Interior Design       | No Prerequisite             | 3            |
| DES 100     | Graphic Thinking and Freehand Drawing | No Prerequisite             | 3            |
| DES 110     | Design Communication I                | No Prerequisite             | 3            |
| DES 120     | Design Communication II               | DES 110                     | 3            |
| DES 130     | Design Foundations                    | DES 100                     | 3            |
| DES 210     | Computer Aided Design                 | DES 120                     | 3            |
| IND 215     | Interior Design Studio I              | DES 120 + DES 130 + IND 100 | 3            |
| DES 220     | Architectural History I               | ENG 200                     | 3            |
| IND 235     | Building Technology I                 | DES 120                     | 3            |
| IND 255     | Building Technology II                | IND 235                     | 3            |
| IND 240     | Color Theory in Design Applications   | No Prerequisite             | 3            |
| IND 280     | History of Interior Design            | DES 220                     | 3            |
| IND 260     | Interior Construction                 | IND 235 + DES 210           | 3            |



|         |                                     |                                |   |
|---------|-------------------------------------|--------------------------------|---|
| IND 275 | Interior Design Studio II           | IND 215 + IND 240              | 3 |
| IND 290 | Furniture Design                    | IND 215 or DES 210             | 3 |
| IND 315 | Interior Design Studio III          | IND 275 or ARC 250             | 3 |
| ARC 320 | Env. Design I: Lighting & Acoustics | IND 260 or ARC 210             | 3 |
| IND 335 | Textiles                            | IND 290                        | 3 |
| IND 340 | Interior Design Studio IV           | IND 315 + IND 335              | 3 |
| IND 350 | Materials and Specifications        | IND 255                        | 3 |
| ARC 420 | Env. Design II: Energy and Systems  | ARC 320 or (ARC 240 + ARC 270) | 3 |
| DES 410 | Research Methods & Programming      | IND 315                        | 3 |
| IND 390 | Professional Practice & Ethics      | IND 315                        | 3 |
| IND 399 | Internship                          | 90 Credit Hours + IND 390      | 3 |
| IND 415 | Interior Design Studio V            | IND 340 + Senior Status        | 3 |
| ARC 582 | 3D Modeling                         | DES 210 or ARC 280             | 3 |
| IND 430 | Graduation Project I                | DES 410 + IND 280              | 3 |
| IND 460 | Working Drawings                    | IND 350 + ARC 420              | 3 |
| IND 470 | Graduation Project II               | IND 430 + IND 415              | 6 |
| PRE 001 | Professional Elective 1             | -                              | 3 |
| PRE 002 | Professional Elective 2             | -                              | 3 |

## Open Electives

## 6 Credit Hours

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| OE 1        | Open Elective I  | -               | 3            |
| OE 2        | Open Elective II | -               | 3            |

Students choose PRE 001 and PRE 002 from the following list of proposed professional electives.

## Professional Electives

| Course Code | Course Title                            | Prerequisite(s)    | Credit Hours |
|-------------|---|--------------------|--------------|
| IND 581     | Advanced Furniture Design and Detailing | IND 290            | 3            |
| IND 582     | Islamic Interiors                       | DES 220            | 3            |
| DES 580     | Architectural Photography               | DES 220 or LAR 230 | 3            |
| ARC 540     | Sustainable Design                      | ARC 420 or ARC 410 | 3            |
| ARC 583     | Building Information Modeling           | DES 210 or ARC 280 | 3            |
| ARC 590     | Building Economics                      | IND 460 or ARC 340 | 3            |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





## Bachelor of Science in Interior Design Study Plan

| First Year (Freshman)   |               |  |        |   |
|-------------------------|---------------|--|--------|---|
|                         | Code          | Title                                  | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 1)    | ARL 100 (A/E) | Communication Skills in Arabic I       | 3      | No Prerequisite                             |
|                         | ENG 200       | English II                             | 3      | * EPT/ENG 102 (C grade) + (Co) UNS 102      |
|                         | FWS 100       | Academic Skills for Success            | 3      | No Prerequisite                             |
|                         | IND 100       | Introduction to Interior Design        | 3      | No Prerequisite                             |
|                         | DES 100       | Graphic Thinking and Freehand Drawing  | 3      | No Prerequisite                             |
|                         | DES 110       | Design Communication I                 | 3      | No Prerequisite                             |
| Total Credit Hours      |               |  | 18     |   |
| Spring<br>(Semester 2)  | MTT 101       | Pre-Calculus                           | 3      | "C" grade in MTG 100 or Math Placement Test |
|                         | FWS 205       | UAE and GCC Society                    | 3      | ENG 102 + (Co) UNS 102                      |
|                         | STT 100       | General Statistics                     | 3      | No Prerequisite                             |
|                         | NSC 201       | Natural Sciences                       | 3      | No Prerequisite                             |
|                         | DES 120       | Design Communication II                | 3      | DES 110                                     |
|                         | DES 130       | Design Foundations                     | 3      | DES 100                                     |
| Total Credit Hours      |               |  | 18     |   |
| Second Year (Sophomore) |               |  |        |   |
|                         | Code          | Title                                  | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 3)    | IND 215       | Interior Design Studio I               | 3      | DES 110 + IND 100                           |
|                         | IND 235       | Building Technology I                  | 3      | DES 120 + DES 130                           |
|                         | DES 210       | Computer Aided Design                  | 3      | DES 120                                     |
|                         | DES 220       | Architectural History I                | 3      | ENG 200                                     |
|                         | IND 240       | Color Theory In Design Applications    | 3      | No Prerequisite                             |
| Total Credit Hours      |               |  | 15     |   |
| Spring<br>(Semester 4)  | IND 275       | Interior Design Studio II              | 3      | IND 215 + IND 240                           |
|                         | IND 255       | Building Technology II                 | 3      | IND 235                                     |
|                         | IND 260       | Interior Construction                  | 3      | IND 235 + DES 210                           |
|                         | IND 280       | History of Interior Design             | 3      | DES 220                                     |
|                         | IND 290       | Furniture Design                       | 3      | IND 215 or DES 210                          |
|                         | FWS 305       | Technical Communication for Work Place | 3      | ENG 200 + Completion of 45 CHs              |
| Total Credit Hours      |               |  | 18     |   |



| Third Year (Junior)    |         |                                     |        |                                |
|------------------------|---------|-------------------------------------|--------|--------------------------------|
|                        | Code    | Title                               | Credit | Prerequisite(s)                |
| Fall<br>(Semester 5)   | IND 315 | Interior Design Studio III          | 3      | IND 275 or ARC 250             |
|                        | IND 350 | Materials and Specifications        | 3      | IND 255                        |
|                        | ARC 320 | Env. Design I: Lighting & Acoustics | 3      | IND 260 or ARC 210             |
|                        | IND 335 | Textiles                            | 3      | IND 290                        |
|                        | OE 1    | Open Elective I                     | 3      | -                              |
| Total Credit Hours     |         |                                     | 15     |                                |
| Spring<br>(Semester 6) | IND 340 | Interior Design Studio IV           | 3      | IND 315 + IND 335              |
|                        | ARC 420 | Env. Design II: Energy and Systems  | 3      | ARC 320 or (ARC 240 + ARC 270) |
|                        | DES 410 | Research Methods & Programming      | 3      | IND 315                        |
|                        | IND 390 | Professional Practice & Ethics      | 3      | IND 315                        |
|                        | ARC 582 | 3D Modelling                        | 3      | DES 210 or ARC 280             |
| Total Credit Hours     |         |                                     | 15     |                                |
| Summer Semester        | IND 399 | Internship                          | 3      | 90 Credit Hours + IND 390      |

| Fourth Year (Senior)   |               |   |        |                                |
|------------------------|---------------|---|--------|--------------------------------|
|                        | Code          | Title   | Credit | Prerequisite(s)                |
| Fall<br>(Semester 7)   | IND 415       | Design Studio V                                 | 3      | IND 340 + Senior Status        |
|                        | IND 430       | Graduation Project I                            | 3      | DES 410 + IND 280              |
|                        | IND 460       | Working Drawings                                | 3      | IND 350 + ARC 420              |
|                        | PRE 001       | Professional Elective I                         | 3      | -                              |
|                        | FWS 310       | Fundamentals of Innovation and Entrepreneurship | 3      | ENG 200 + Completion of 60 CHs |
| Total Credit Hours     |               |   | 15     |                                |
| Spring<br>(Semester 8) | IND 470       | Graduation Project II                           | 6      | IND 430 + IND 415              |
|                        | ISL 100 (A/E) | Islamic Culture                                 | 3      | No Prerequisite                |
|                        | PRE 002       | Professional Elective II                        | 3      | -                              |
|                        | OE 2          | Open Elective II                                | 3      | -                              |
| Total Credit Hours     |               |   | 15     |                                |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



# BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

## ***Introduction***

Mechanical Engineering is the branch of engineering that deals with the design, construction and operation of machinery. It is an exciting field that encompasses all engineering aspects of almost everything that moves in the universe.

Mechanical engineers are trained to help address and solve some of the world's most pressing issues and problems such as energy, environment, robotics and advanced manufacturing, transportation on the ground, in the air, on and under water and in outer space – just to name a few from a long list of challenges facing our society. The cars and vehicles that we drive or ride on, the airplanes that we fly in, the ships, hovercrafts and submarines that we travel in and the spaceships that take us to outer space and other planets are all mostly designed by mechanical engineers. However, that is just a subset of everything that mechanical engineers create.

The Mechanical Engineering program at Abu Dhabi University has been designed to ensure that its graduates will be uniquely qualified to design, analyze, and test wide-ranging solutions for state-of-the-art mechanical systems. The program provides mechanical engineering students with the opportunity to learn through a combination of theory and lab work. This mix of theory and practical application allows students to think things through and then apply their ideas in a variety of real life situations. Students also learn to diagnose problems and develop a variety of solutions.

The program curriculum has been designed to provide a balanced education in the design, analysis and hands-on experience. It is a challenging four-year curriculum that integrates courses in mathematics, physics and mechanical engineering to produce a professional engineer capable of designing and analyzing all aspects of modern mechanical systems. The program emphasizes a number of areas of technology including aerospace, thermal power, materials and manufacturing and mechatronics.

## ***Program Mission***

The educational mission of the mechanical engineering undergraduate program is to provide students with a high-quality education through a well-developed curriculum that is fundamental, yet broad and flexible. The program seeks to produce graduates who are well-rounded in mathematical, scientific, and technical knowledge; who are prepared for the practice of mechanical engineering with sufficient depth to continue their education beyond the baccalaureate degree; who have the ability to analyze, evaluate, and design mechanical engineering systems; who have the ability to communicate effectively; who have gained sufficient awareness of the current and emerging industrial practices through participation in industrial internship experiences; and who have acquired an understanding of and appreciation for global and societal issues and are thus prepared for a career path towards leadership in industry, government, and academia.

## ***Program Objectives***

The main objectives of the Mechanical Engineering program are to:

1. Produce qualified mechanical engineering graduates with the knowledge and technical skills necessary to successfully serve the public and/or private sectors in both national and international industries;
2. Produce graduates that are capable of designing, analyzing, testing and implementing mechanical systems and processes;
3. Prepare graduates for success in multidisciplinary professional settings with awareness and commitment to their ethical and social responsibilities, both as individuals and in team environments; and
4. Prepare graduates who meet the industry expectations in terms of communication skills, ability to function well in teams, use of modern engineering tools and commitment to life-long learning and professional development.



## Program Learning Outcomes

The following program outcomes describe competencies and skills that our students acquire by the time of graduation. Our graduates are expected to be able to:

- Apply knowledge of mathematics, science and engineering
- Design and conduct experiments and to analyze and interpret data.
- Design a system, process or component to meet desired needs.
- Function on multi-disciplinary teams.
- Identify, formulate, and solves mechanical engineering problems.
- Recognize and understand professional and ethical responsibility.
- Communicate effectively;
- Broad education necessary to understand the impact of engineering solutions in a global and societal context.
- Recognition of the need for, and ability to engage in lifelong learning;
- Have knowledge of current practices and contemporary issues in mechanical engineering; and
- Use and apply techniques, skills, and modern engineering tools and simulation packages necessary for engineering practice

## Curriculum

**Total Credit Hours: 135**

|                                |                 |
|--------------------------------|-----------------|
| General Education Requirements | 30 credit hours |
| College Requirements           | 35 credit hours |
| Major Requirements             | 61 credit hours |
| Major Electives                | 6 credit hours  |
| Open Electives                 | 3 credit hours  |

## General Education Requirements

**30 Credit Hours**

| Course Code   | Course Title                                    | Prerequisite(s)                             | Credit Hours |
|---------------|---|---|--------------|
| ARL 100 (A/E) | Communication Skills in Arabic I                | No Prerequisite                             | 3            |
| FWS 100       | Academic Skills for Success                     | No Prerequisite                             | 3            |
| ENG 200       | English 2                                       | * EPT/ENG 102 (C grade) + (Co) UNS 102      | 3            |
| FWS 305       | Technical Communication for Work Placw          | ENG 200 + Completion of 45 CHs              | 3            |
| ISL 100 (A/E) | Islamic Culture                                 | No Prerequisite                             | 3            |
| MTT 102       | Calculus I                                      | "C" grade in MTT 101 or Math Placement Test | 3            |
| FWS 205       | UAE and GCC Society                             | ENG 102 + (Co) UNS 102                      | 3            |
| STT 100       | General Statistics                              | No Prerequisite                             | 3            |
| FWS 310       | Fundamentals of Innovation and Entrepreneurship | ENG 200 + Completion of 60 CHs              | 3            |



## College Requirements

**36 Credit Hours**

| Course Code | Course Title                                | Prerequisite(s)                          | Credit Hours |
|-------------|---|--|--------------|
| MTT 200     | Calculus II                                 | MTT 102                                  | 3            |
| MTT 201     | Calculus III                                | MTT 200                                  | 3            |
| MTT 204     | Introduction to Linear Algebra              | MTT 200                                  | 3            |
| MTT 205     | Differential Equations                      | MTT 200 + MTT 204 co-requisite           | 3            |
| PHY 102     | Physics and Engineering Applications I      | MTT 102                                  | 3            |
| PHY 102L    | Physics and Engineering Applications I Lab  | MTT 102 + PHY 102 co-requisite           | 1            |
| PHY 201     | Physics and Engineering Applications II     | PHY 102                                  | 3            |
| PHY 201L    | Physics and Engineering Applications II Lab | PHY 102 + PHY 201 co-requisite           | 1            |
| CHE 205     | Chemistry                                   | ENG 100                                  | 3            |
| CHE 201L    | Chemistry Lab                               | ENG 200 + CHE 205 co-requisite           | 1            |
| MEC 200     | Introduction to Mechanical Engineering      | PHY 102 ( co-req) + MEC 330 co-requisite | 3            |
| CSC 201     | Structured Programming                      | MTT 101 or MTT 102                       | 3            |
| GEN 200     | Engineering Economy                         | ENG 200 + MTT 102                        | 3            |
| CIV 402     | Engineering Ethics                          | Senior level                             | 3            |

## Major Requirements Hours

**57 Credit**

| Course Code | Course Title              | Prerequisite(s)      | Credit Hours |
|-------------|---------------------------|----------------------|--------------|
| CIV 201     | Statics                   | MTT 102 + PHY 102    | 3            |
| MEC 300     | Materials Science         | CHE 205              | 3            |
| MEC 301     | Manufacturing Processes   | MEC 300              | 3            |
| MEC 302     | Mechanics of Materials    | CIV 201              | 3            |
| MEC 310     | Dynamics                  | CIV 201 + MTT 204    | 3            |
| MEC 320     | Thermodynamics I          | PHY 102              | 3            |
| MEC 321     | Thermodynamics II         | MEC 320              | 3            |
| MEC 330     | Computer Aided Drawing    | MEC 200 co-requisite | 2            |
| MEC 350     | Fluid Mechanics           | CIV 201 + MTT 205    | 3            |
| MEC 351     | Fluid Mechanics Lab       | MEC 350 co-requisite | 1            |
| MEC 390     | Electromechanical Devices | PHY 201              | 3            |
| MEC 410     | Control Systems           | MEC 310 + MEC 390    | 3            |



|         |   |                                       |   |
|---------|---|---------------------------------------|---|
| MEC 411 | Kinematics and Dynamics of Machinery              | MEC 310                               | 3 |
| MEC 412 | Dynamic and Control Systems lab                   | MEC 410 co-requisite                  | 1 |
| MEC 420 | Heat Transfer                                     | MEC 320 + MEC 350                     | 3 |
| MEC 421 | Thermal Engineering Lab                           | MEC 420 co-requisite                  | 1 |
| MEC 430 | Machine Design                                    | MEC 302 + MEC 330                     | 3 |
| MEC 432 | Design and manufacturing lab                      | MEC 430 co-requisite                  | 1 |
| MEC 399 | Internship  | 90 credit hours                       | 3 |
| MEC 465 | Numerical & FE Simulation of Engineering Problems | MEC 302 + MTT 204 + MEC 420 ( co-req) | 3 |
| MEC 480 | Mechanical Vibration                              | MEC 310 + MEC 410                     | 3 |
| MEC 499 | Design Project (Capstone)                         | Senior Level                          | 3 |

## Major Electives

**6 Credit Hours**

| Course Code | Course Title      | Prerequisite(s) | Credit Hours |
|-------------|-------------------|-----------------|--------------|
| ME 1        | Major Elective I  | -               | 3            |
| ME 2        | Major Elective II | -               | 3            |

| List of Major Elective Themes * |             |  |                                |              |
|---------------------------------|-------------|--|--------------------------------|--------------|
| Themes options                  | Course Code | Course Title                                 | Prerequisite(s)                | Credit Hours |
| Energy Systems                  | MEC 460     | Air Conditioning Systems                     | MEC 420                        | 3            |
|                                 | MEC 461     | Internal Combustion Engines                  | MEC 320                        | 3            |
|                                 | MEC 462     | Energy Management                            | MEC 420                        | 3            |
|                                 | MEC 463     | Turbomachinery                               | MEC 420                        | 3            |
|                                 | MEC 464     | Power Plants                                 | MEC 321 + MEC 420              | 3            |
| Materials and Manufacturing     | MEC 431     | Computer Aided Machine Design                | MEC 430                        | 3            |
|                                 | MEC 470     | Composites Materials Design                  | MEC 300 + MEC 302              | 3            |
|                                 | MEC 471     | Introduction to Computer Aided Manufacturing | MEC 301                        | 3            |
|                                 | MEC 472     | Mechanics of Materials II                    | MEC 302                        | 3            |
|                                 | MEC 473     | Non-Conventional Manufacturing               | MEC 301                        | 3            |
|                                 | MEC 474     | Fracture & Fatigue Control in Design         | MEC 450 + MEC 465 co-requisite | 3            |



|                     |         |                              |                   |   |
|---------------------|---------|------------------------------|-------------------|---|
| <b>Mechatronics</b> | MEC 481 | Introduction to Robotics     | CSC 201           | 3 |
|                     | MEC 482 | Introduction to Mechatronics | MEC 390 + MEC 410 | 3 |
|                     | MEC 483 | Mechatronics System Design   | MEC 482           | 3 |
| <b>Aerospace</b>    | MEC 490 | Compressible Fluid Mechanics | MEC 350           | 3 |
|                     | MEC 491 | Aerodynamics                 | MEC 350           | 3 |
|                     | MEC 492 | Aerospace Propulsion         | MEC 350           | 3 |
|                     | MEC 493 | Aerospace Structures         | MEC 302 + MEC 350 | 3 |

\*To satisfy the requirements of a Theme, at least two courses must be taken from the same theme.

## Open Electives

## 6 Credit Hours

| Course Code | Course Title     | Prerequisite(s) | Credit Hours |
|-------------|------------------|-----------------|--------------|
| OE 1        | Open Elective I  | -               | 3            |
| OE 2        | Open Elective II | -               | 3            |

\*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.



## Bachelor of Science in Mechanical Engineering Study Plan

| First Year (Freshman)   |               |   |        |   |
|-------------------------|---------------|---|--------|---|
|                         | Code          | Title   | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 1)    | ARL 100 (A/E) | Communication Skills in Arabic I              | 3      | No Prerequisite                             |
|                         | ENG 200       | English II                                    | 3      | * EPT/ENG 102 (C grade) + (Co) UNS 102      |
|                         | FWS 100       | Academic Skills for Success                   | 3      | No Prerequisite                             |
|                         | STT 100       | General Statistics                            | 3      | No Prerequisite                             |
|                         | MEC 130       | Introduction to Mechanical & Industrial Engr. | 2      | No Prerequisite                             |
|                         | MTT 102       | Calculus I                                    | 3      | "C" grade in MTT 101 or Math Placement Test |
| Total Credit Hours      |               |   | 17     |   |
| Spring<br>(Semester 2)  | FWS 211       | Fundamentals of Emotional Intelligence        | 3      | ENG 102 + FWS 100                           |
|                         | MEC 330       | Computer Aided Drawing                        | 2      | MEC 130                                     |
|                         | PHY 102       | Physics and Engineering Applications I        | 3      | MTT 102                                     |
|                         | PHY 102L      | Physics and Engineering Applications I Lab    | 1      | MTT 102 + PHY 102 (Co-req)                  |
|                         | MTT 200       | Calculus II                                   | 3      | MTT 102                                     |
|                         | ISL 100 (A/E) | Islamic Culture                               | 3      | No Prerequisite                             |
|                         | OE 1          | Open Elective 1                               | 3      |   |
| Total Credit Hours      |               |   | 18     |   |
| Second Year (Sophomore) |               |   |        |   |
|                         | Code          | Title   | Credit | Prerequisite(s)                             |
| Fall<br>(Semester 3)    | FWS 205       | UAE and GCC Society                           | 3      | ENG 102 + FWS 100                           |
|                         | MTT 201       | Calculus III                                  | 3      | MTT 200                                     |
|                         | CSC 201       | Structured Programming                        | 3      | MTT 101 or MTT 102                          |
|                         | PHY 201       | Physics and Engineering Applications II       | 3      | PHY 102                                     |
|                         | PHY 201L      | Physics and Engineering Applications II Lab   | 1      | PHY 102 + PHY 201 (Co-req)                  |
|                         | CHE 205       | Chemistry                                     | 3      | ENG 100                                     |
|                         | CHE 201L      | Chemistry Lab                                 | 1      | ENG 200 + CHE 205 (Co-req)                  |
| Total Credit Hours      |               |   | 17     |   |
| Spring<br>(Semester 4)  | CIV 201       | Engineering Mechanics-Statics                 | 3      | MTT 102 + PHY 102                           |
|                         | MEC 300       | Materials Science                             | 3      | CHE 205                                     |
|                         | MEC 320       | Thermodynamics I                              | 3      | PHY 102                                     |
|                         | MEC 390       | Electromechanical Devices                     | 3      | PHY 201                                     |
|                         | MTT 204       | Introduction to Linear Algebra                | 3      | MTT 200                                     |
|                         | MTT 205       | Differential Equations                        | 3      | MTT 200 + MTT 204 co-requisite              |
| Total Credit Hours      |               |   | 18     |   |





| Third Year (Junior)                  |          |                                     |           |                      |
|--------------------------------------|----------|-------------------------------------|-----------|----------------------|
|                                      | Code     | Title                               | Credit    | Prerequisite(s)      |
| <b>Fall</b><br><b>(Semester 5)</b>   | MEC 302  | Mechanics of Materials              | 3         | CIV 201              |
|                                      | MEC 350  | Fluid Mechanics                     | 3         | CIV 201 + MTT 205    |
|                                      | MEC 351  | Fluid Mechanics Lab                 | 1         | MEC 350 Co-requisite |
|                                      | MEC 321  | Thermodynamics II                   | 3         | MEC 320              |
|                                      | MEC 310  | Dynamics                            | 3         | CIV 201 + MTT 204    |
|                                      | MEC 340  | Machine Design I                    | 3         | MEC 330, MEC 390     |
| <b>Total Credit Hours</b>            |          |                                     | <b>16</b> |                      |
| <b>Spring</b><br><b>(Semester 6)</b> | MEC 430  | Machine Design II                   | 3         | MEC 302, MEC 340     |
|                                      | MEC 432  | Design and Manufacturing Lab        | 1         | MEC 301 Co-requisite |
|                                      | MEC 411  | Kinematic and Dynamics of Machinery | 3         | MEC 310              |
|                                      | MEC 410  | Control Systems                     | 3         | MEC 310 + MEC 390    |
|                                      | MEC 412  | Dynamics and Control Systems Lab    | 1         | MEC 410 Co-requisite |
|                                      | MEC 301  | Manufacturing Processes             | 3         | MEC 300              |
| <b>Total Credit Hours</b>            |          |                                     | <b>14</b> |                      |
| <b>Summer Semester</b>               | MEC 399i | Internship                          | 3         | 90 Credit Hours      |

| Fourth Year (Senior)                 |         |  |           |                                |
|--------------------------------------|---------|--|-----------|--------------------------------|
|                                      | Code    | Title  | Credit    | Prerequisite(s)                |
| <b>Fall</b><br><b>(Semester 7)</b>   | MEC 480 | Mechanical Vibration   | 3         | MEC 410                        |
|                                      | MEC 420 | Heat Transfer  | 3         | MEC 320 + MEC 350              |
|                                      | MEC 421 | Thermal Engineering Lab  | 1         | MEC 420 Co-requisite           |
|                                      | MEC 465 | Numerical and Finite Element Simulation of Engineering Problem | -         | MEC 430 + MEC 420 (Co-req)     |
|                                      | FWS 310 | Fundamentals of Innovation and Entrepreneurship                | 3         | ENG 200 + Completion of 60 CHs |
|                                      | ME 1    | Major Elective I   | 3         | -                              |
|                                      | MEC 498 | Capstone Design Project I                                      | 1         | MEC 465 (Co-req)               |
| <b>Total Credit Hours</b>            |         |  | <b>16</b> |                                |
| <b>Spring</b><br><b>(Semester 8)</b> | MEC 499 | Design Project (Capstone)                                      | 3         | Senior level                   |
|                                      | CIV 402 | Engineering Ethics   | 3         | Senior level                   |
|                                      | ME 2    | Major Elective II  | 3         | -                              |
|                                      | FWS 305 | Technical Communications for Workplace                         | 3         | ENG 200 + Completion of 45 CHs |
|                                      | GEN 200 | Engineering Economy  | 3         | ENG 200 + MTT 102              |
| <b>Total Credit Hours</b>            |         |  | <b>15</b> |                                |

Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSAT or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test.





## COLLEGE OF LAW

### BACHELOR OF LAW IN ARABIC

### بكالوريوس في القانون باللغة العربية



#### مهمة البرنامج

تتمثل مهمة برنامج القانون في إعداد طلبة قادرين على مواكبة الأحداث والمستجدات القانونية والتشريعات الحديثة والنزاعات القانونية الحالية والتي تقتضي درجة عالية من المهنية القانونية وحتى يكون الطلبة قادرين على التعامل مع ما تتطلبه التشريعات الوطنية والدولية التي تكون محلا للتطبيق على المنازعات والمسائل التي تهم دولة الامارات العربية المتحدة ودول الخليج العربي والعالم.

ويتم تحقيق مهمة البرنامج من خلال اعداد الطالب في المساقات القانونية بطرق علمية وتطبيقية حتى يكون الطالب جاهزا لسوق العمل ومتطلباته وإمداد المجتمع المحلي والإقليمي بخريجين متميزين في المجالات القانونية المختلفة.

#### أهداف البرنامج

1. بناء قاعدة علمية قانونية لدى الطالب في مختلف مجالات القانون.
2. تزويد و تعزيز الجانب المهني التطبيقي للعلوم القانونية النظرية لدى الطالب.
3. تطوير القدرات والمهارات الفكرية لدى الطالب.
4. إكساب الطالب مهارات إعداد البحوث العلمية وفق منهج علمي سليم.
5. غرس روح التعليم المستمر مدى الحياة لدى الطالب.
6. تزويد الطالب بمهارات المنافسة في سوق العمل لرفع كفاءه أدائه المؤسسي.
7. تسليح الطالب بالقيم المثلى التي ينبغي لرجل القانون أن يلتزم بها من خلال التواصل بالقيم العربية والإسلامية.



## Curriculum

Total Credit Hours: 132

## المقرر الدراسي

إجمالي عدد الساعات المعتمدة: ١٣٢

|                                |                 |                |                              |
|--------------------------------|-----------------|----------------|------------------------------|
| General Education Requirements | 30 credit hours | ٣٠ ساعة معتمدة | متطلبات التعليم العام        |
| Major Requirements             | 93 credit hours | ٩٣ ساعة معتمدة | متطلبات التخصص               |
| Major Electives                | 9 credit hours  | ٩ ساعات معتمدة | المساقات الاختيارية التخصصية |

### General Education Requirements 30 Credit Hours

### متطلبات التعليم العام ٣٠ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق                    | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|---|-----------------------------------|--------------------------------------|
| ARL 100                   | مهارات الاتصال باللغة العربية                 | لا يوجد                           | 3                                    |
| ENG 100 (A)               | مهارات اللغة الانجليزية (1)                   | لا يوجد                           | 3                                    |
| ENG 200 (A)               | مهارات اللغة الانجليزية (2)                   | ENG 100 + UNS 102 (A)             | 3                                    |
| SOC 201 (A)               | مجتمع الامارات والخليج العربي                 | UNS 102 (A)                       | 3                                    |
| ISL 100 (A)               | الثقافة الاسلامية                             | لا يوجد                           | 3                                    |
| PHI 300 (A)               | أخلاقيات المهنة                               | لا يوجد                           | 3                                    |
| UNS 102 (A)               | مهارات البحث العلمي (مهارات الدراسة الجامعية) | لا يوجد                           | 1                                    |
| CRT 301 (A)               | التفكير الناقد                                | UNS 102 (A)                       | 2                                    |
| ITE 100 (A)               | تقنية المعلومات                               | لا يوجد                           | 3                                    |
| PSY 201 (A)               | علم النفس العام                               | UNS 102 (A)                       | 3                                    |
| INE 300 (A)               | الابتكار وريادة الأعمال                       | UNS 102 (A)                       | 3                                    |

### Major Requirements 93 Credit Hours

### متطلبات التخصص ٩٣ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق             | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|--|-----------------------------------|--------------------------------------|
| INLA 105                  | المدخل لدراسة القانون                  | لا يوجد                           | 3                                    |
| IFLA 218                  | المدخل لدراسة الفقه الإسلامي           | لا يوجد                           | 3                                    |
| PELA 219                  | مبادئ علم الاقتصاد                     | لا يوجد                           | 3                                    |
| PCLA 110                  | النظم السياسية والقانون الدستوري       | لا يوجد                           | 3                                    |
| COLA 200                  | القانون التجاري                        | INLA 105                          | 3                                    |
| ADLA 205                  | القانون الإداري                        | INLA 105                          | 3                                    |
| ENLA 208                  | مصطلحات قانونية باللغة الإنجليزية      | ENG 200 (A)                       | 3                                    |
| TVLA 220                  | دراسات قانونية باللغة الإنجليزية       | ENLA 208                          | 3                                    |
| SULA 203                  | المصادر الإرادية للالتزام              | INLA 105                          | 3                                    |
| PGLA 225                  | قانون الجزاء العام                     | INLA 105                          | 3                                    |
| SULA 209                  | المصادر غير الإرادية للالتزام والاثبات | SULA 203                          | 3                                    |



|          |  |                                  |                   |
|----------|--|----------------------------------|-------------------|
| PALA 229 | الأحوال الشخصية                            | IFLA218                          | 3                 |
| CCLA 320 | العقود المسماه                             | RCLA 310                         | 3                 |
| BFLA 348 | المالية العامة والتشريع الضريبي            | PELA 219                         | 3                 |
| PCLA 306 | قانون الإجراءات المدنية                    | SULA 209                         | 3                 |
| LSLA 335 | قانون العمل والتأمينات الاجتماعية          | SULA 209                         | 3                 |
| RCLA 310 | أحكام الالتزام                             | SULA 209                         | 3                 |
| CCLA 330 | الشركات التجارية والافلاس                  | COLA 200                         | 3                 |
| INLA 210 | القانون الدولي العام                       | INLA 105                         | 3                 |
| JILA 344 | التحكيم التجاري الداخلي والدولي            | PCLA 306                         | 3                 |
| PPLA 326 | قانون الجزاء الخاص (1)                     | PGLA 225                         | 3                 |
| IILA 337 | الموارث والوصايا                           | PALA 229                         | 3                 |
| EILA 420 | التنفيذ الجبري                             | PCLA306                          | 3                 |
| BBLA 431 | الاعمال المصرفية والعقود والأوراق التجارية | CCLA 430                         | 3                 |
| SWLA 440 | القانون البحري والجوي                      | CCLA 430                         | 3                 |
| IPLA 342 | القانون الدولي الخاص                       | PCLA 306                         | 3                 |
| PPLA 346 | قانون الجزاء الخاص (2)                     | PPLA 326                         | 3                 |
| FFLA 340 | أصول الفقه                                 | PALA 229                         | 3                 |
| PPLA 450 | قانون الإجراءات الجزائية                   | PGLA 225                         | 3                 |
| ORLA 477 | الحقوق العينية الأصلية والتبعية            | CCLA 320                         | 3                 |
| IPLA 490 | التدريب العملي الداخلي                     | PCLA 306 + PPLA450+ PALA 229     | 3                 |
| GPLA 499 | بحث التخرج                                 | اجتياز (90) ساعة على الأقل بنجاح | 2                 |
| EPLA 495 | التدريب العملي الخارجي                     | اجتياز (90) ساعة على الأقل بنجاح | بدون ساعات معتمدة |

## Major Electives 9 credit Hours

## المساقات الاختيارية التخصصية ٩ ساعة معتمدة

| Course Code<br>رقم المساق | Course Title<br>اسم المساق            | Prerequisite(s)<br>المتطلب السابق | Credit Hours<br>عدد الساعات المعتمدة |
|---------------------------|---------------------------------------|-----------------------------------|--------------------------------------|
| HPLA 150                  | تاريخ وفلسفة القانون                  | لا يوجد                           | 3                                    |
| EPLA 205                  | قانون حماية البيئة                    | لا يوجد                           | 3                                    |
| IRLA 280                  | قانون الملكية الفكرية                 | COLA 200                          | 3                                    |
| CPLA 288                  | قانون حماية المستهلك                  | لا يوجد                           | 3                                    |
| ACLA 290                  | العقود الإدارية                       | لا يوجد                           | 3                                    |
| SCLA 291                  | علم الإجرام والعقاب                   | لا يوجد                           | 3                                    |
| PLLA 300                  | التشريعات الجزائية الخاصة             | لا يوجد                           | 3                                    |
| ECLA 301                  | الجوانب القانونية للتجارة الالكترونية | لا يوجد                           | 3                                    |
| IOLA 370                  | قانون المنظمات الدولية                | لا يوجد                           | 3                                    |



## Bachelor of Law Study Plan الخطة الدراسية لبرنامج البكالوريوس في القانون

| السنة الأولى (Freshman) First Year    |                           |   |   |                                   |
|---------------------------------------|---------------------------|---|---|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق                    | Credit Hours<br>عدد الساعات<br>المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 1)               | ISL 100 (A)               | الثقافة الإسلامية                             | 3                                       | لا يوجد                           |
|                                       | ARL 100                   | مهارات الاتصال باللغة العربية                 | 3                                       | لا يوجد                           |
|                                       | INLA 105                  | المدخل لدراسة القانون                         | 3                                       | لا يوجد                           |
|                                       | PCLA110                   | النظم السياسية والقانون الدستوري              | 3                                       | لا يوجد                           |
|                                       | ENG 100 (A)               | مهارات اللغة الانجليزية (1)                   | 3                                       | لا يوجد                           |
|                                       | ITE1 00 (A)               | تقنية المعلومات                               | 3                                       | لا يوجد                           |
|                                       | UNS 102 (A)               | مهارات البحث العلمي (مهارات الدراسة الجامعية) | 1                                       | لا يوجد                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 19                                      |                                   |
| الربيع/<br>(Semester 2)               | IFLA 218                  | المدخل لدراسة الفقه الإسلامي                  | 3                                       | لا يوجد                           |
|                                       | SOC 201 (A)               | مجتمع الامارات والخليج العربي                 | 3                                       | UNS102 (A)                        |
|                                       | PELA 219                  | مبادئ علم الاقتصاد                            | 3                                       | لا يوجد                           |
|                                       | ENG 200 (A)               | مهارات اللغة الانجليزية (2)                   | 3                                       | ENG100 (A) + UNS102 (A)           |
|                                       | SULA 203                  | المصادر الإدارية للالتزام                     | 3                                       | INLA 105                          |
|                                       | INLA 210                  | القانون الدولي العام                          | 3                                       | INLA105                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 18                                      |                                   |
| السنة الثانية (Sophomore) Second Year |                           |   |   |                                   |
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق                    | Credit Hours<br>عدد الساعات<br>المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 3)               | COLA200                   | القانون التجاري                               | 3                                       | INLA 105                          |
|                                       | CRT 301 (A)               | التفكير الناقد                                | 2                                       | UNS 102 (A)                       |
|                                       | SULA 209                  | المصادر غير الإدارية للالتزام                 | 3                                       | SULA 203                          |
|                                       | PSY 201 (A)               | علم النفس العام                               | 3                                       | UNS 102 (A)                       |
|                                       | ADLA 205                  | القانون الإداري                               | 3                                       | INLA 105                          |
|                                       | ENLA 208                  | مصطلحات قانونية باللغة الإنجليزية             | 3                                       | ENG 200                           |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 17                                      |                                   |
| الربيع/<br>(Semester 4)               | PALA229                   | الأحوال الشخصية                               | 3                                       | IFLA 218                          |
|                                       | RCLA310                   | أحكام الالتزام                                | 3                                       | SULA 209                          |
|                                       | PGLA225                   | قانون الجزاء العام                            | 3                                       | INLA 105                          |
|                                       | TVLA220                   | دراسات قانونية باللغة الإنجليزية              | 3                                       | ENLA 208                          |
|                                       | PHI 300 (A)               | أخلاقيات المهنة                               | 3                                       | لا يوجد                           |
|                                       | INE 300 (A)               | الابتكار وريادة الأعمال                       | 3                                       | UNS 102 (A)                       |
| Total Credit Hours/إجمالي عدد الساعات |                           |   | 18                                      |                                   |



| السنة الثالثة (Junior) Third Year     |                           |                                   |                                      |                                   |
|---------------------------------------|---------------------------|-----------------------------------|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق        | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 5)               | PCLA 306                  | قانون الإجراءات المدنية           | 3                                    | SULA 209                          |
|                                       | CCLA 320                  | العقود المسماه                    | 3                                    | RCLA 310                          |
|                                       | PPLA 326                  | قانون الجزاء الخاص (1)            | 3                                    | PGLA 225                          |
|                                       | CCLA 330                  | الشركات التجارية والافلاس         | 3                                    | COLA 200                          |
|                                       | LSLA 335                  | قانون العمل والتأمينات الاجتماعية | 3                                    | SULA 209                          |
|                                       | IILA 337                  | الموارث والقضايا                  | 3                                    | PALA 229                          |
| Total Credit Hours/اجمالي عدد الساعات |                           |                                   | 18                                   |                                   |
| الربيع/<br>(Semester 6)               | FFLA340                   | أصول الفقه                        | 3                                    | PALA 229                          |
|                                       | IPLA342                   | القانون الدولي الخاص              | 3                                    | PCLA 306                          |
|                                       | JILA344                   | التحكيم التجاري الداخلي والدولي   | 3                                    | PCLA 306                          |
|                                       | PPLA 327                  | قانون الجزاء الخاص (2)            | 2                                    | PPLA 326                          |
|                                       | BFLA348                   | المالية العامة والتشريع الضريبي   | 3                                    | PELA 219                          |
|                                       |                           | تخصص اختياري (المستوى الأول)      | 3                                    | -                                 |
| Total Credit Hours/اجمالي عدد الساعات |                           |                                   | 17                                   |                                   |

| السنة الرابعة (Senior) Fourth Year    |                           |  |                                      |                                   |
|---------------------------------------|---------------------------|--|--------------------------------------|-----------------------------------|
|                                       | Course Code<br>رقم المساق | Course Title<br>اسم المساق                 | Credit Hours<br>عدد الساعات المعتمدة | Prerequisite(s)<br>المتطلب السابق |
| الخريف/<br>(Semester 7)               | EILA 420                  | التنفيذ الجبري                             | 3                                    | PCLA 306                          |
|                                       | BBLA 431                  | الاعمال المصرفية والعقود والأوراق التجارية | 3                                    | CCLA 330                          |
|                                       | GPLA 499                  | بحث التخرج                                 | 2                                    | اجتياز (90) ساعة على الأقل بنجاح  |
|                                       |                           | تخصص اختياري (المستوى الثاني)              | 3                                    | -                                 |
|                                       | IPLA 490                  | التدريب العملي الداخلي                     | 3                                    | PCLA 306 + PPLA 450 + PALA 229    |
| Total Credit Hours/اجمالي عدد الساعات |                           |  | 14                                   |                                   |
| الربيع/<br>(Semester 8)               | ORLA 477                  | الحقوق العينية الأصلية والتبعية            | 3                                    | CCLA 320                          |
|                                       | EPLA 495                  | التدريب العملي الخارجي                     | 3                                    | اجتياز (90) ساعة على الأقل بنجاح  |
|                                       |                           | تخصص اختياري (المستوى الثالث)              | -                                    | -                                 |
|                                       | SWLA 440                  | القانون البحري والجوي                      | 3                                    | CCLA 330                          |
|                                       | PPLA 450                  | قانون الإجراءات الجزائية                   | 3                                    | PGLA 225                          |
| Total Credit Hours/اجمالي عدد الساعات |                           |  | 12                                   |                                   |









# MINORS AT Abu Dhabi University

## College of Business

| Business Administration Minor   |  |   |              |
|---|--|---|--------------|
| Course Code   | Course Title                                   | Prerequisite(s)                                     | Credit Hours |
| ACC 200   | Principles of Accounting                       | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ECO 201   | Principles of Microeconomics                   | ENG 200 + (MTG 100 or MTT 101 or MTT 102)           | 3            |
| FIN 200   | Principles of Finance                          | ACC 200   | 3            |
| MGT 255   | Management and Organizational Behavior         | ENG 200 + FWS 211                                   | 3            |
| MIS 200   | Introduction to Management Information Systems | ITD 100 + ENG 200                                   | 3            |
| MKT 200   | Principles of Marketing                        | ENG 200   | 3            |
| Note: COB students are not eligible to take a minor in Business Administration. |  |   |              |

| Marketing Minor for Non-Marketing Majors   |                                       |                    |              |
|--|---------------------------------------|--------------------|--------------|
| Course Code                                | Course Title                          | Prerequisite(s)    | Credit Hours |
| Choose six (6) courses from the below list |                                       |                    |              |
| MKT 200                                    | Principles of Marketing               | ENG 200            | 3            |
| MKT 301                                    | Consumer Behavior                     | MKT 200 + FWS 305  | 3            |
| MKT 303                                    | Retail Marketing                      | MKT 200            | 3            |
| MKT 304                                    | Marketing Communication               | MKT 301            | 3            |
| MKT 305                                    | Marketing Research                    | MKT 200 + BUS 204  | 3            |
| MKT 401                                    | International Marketing               | MKT 200 + ECO 202  | 3            |
| MKT 402                                    | E-Marketing and Social Media          | MKT 200 + MIS 200  | 3            |
| MKT 404                                    | Marketing Strategies                  | Last semester only | 3            |
| MKT 405                                    | Service Marketing                     | MKT 200            | 3            |
| MKT 314                                    | Communication Strategy in Advertising | MKT 200            | 3            |



| Finance Minor for Non-Finance Majors       |                                      |                       |              |
|--|--------------------------------------|-----------------------|--------------|
| Course Code                                | Course Title                         | Prerequisite(s)       | Credit Hours |
| Choose six (6) courses from the below list |                                      |                       |              |
| FIN 200                                    | Principles of Finance                | ACC 200               | 3            |
| FIN 301                                    | Managerial Finance                   | FIN 200 + ECO 201     | 3            |
| FIN 302                                    | Financial Statements Analysis        | FIN 200               | 3            |
| FIN 303                                    | Risk Management and Insurance        | FIN 200               | 3            |
| FIN 304                                    | Management of Financial Institutions | FIN 200               | 3            |
| FIN 400                                    | Computer Applications In Finance     | FIN 301               | 3            |
| FIN 401                                    | Investment and Financial Policy      | FIN 301               | 3            |
| FIN 407                                    | International Financial Management   | ECO 202 + FIN 301     | 3            |
| FIN 499                                    | Special Topics in Finance            | Consent of Department | 3            |

| Accounting Minor for Non-Accounting Majors |                                     |   |              |
|--|-------------------------------------|---|--------------|
| Course Code                                | Course Title                        | Prerequisite(s)                                     | Credit Hours |
| Choose six (6) courses from the below list |                                     |   |              |
| ACC200                                     | Principles of Financial Accounting  | ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102) | 3            |
| ACC 201                                    | Principles of Managerial Accounting | ACC 200   | 3            |
| ACC 302                                    | Intermediate Accounting I           | ACC 200 (C grade)                                   | 3            |
| ACC 304                                    | Intermediate Accounting II          | ACC 302   | 3            |
| ACC 306                                    | Cost Accounting                     | ACC 201   | 3            |
| ACC 308                                    | Accounting Information Systems      | ACC 302 + MIS 200                                   | 3            |
| ACC 401                                    | Advanced Accounting                 | ACC 304   | 3            |
| ACC 404                                    | Auditing                            | ACC 304   | 3            |
| ACC 407                                    | International Accounting            | ACC 304   | 3            |
| ACC 499                                    | Special Topics in Accounting        | Consent of Department                               | 3            |

| *Human Resources Minor for Non-Human Resource and Non-Management Majors |  |                   |              |
|---|--|-------------------|--------------|
| Course Code   | Course Title                           | Prerequisite(s)   | Credit Hours |
| Total of six (6) courses to be taken                                    |  |                   |              |
| Required Courses  |  |                   |              |
| MGT 255   | Management and Organizational Behavior | ENG 200 + FWS 211 | 3            |
| HRM 313   | Human Resources Management             | MGT 255           | 3            |
| Choose three (3) courses from the below list                            |  |                   |              |
| HRM 315   | Staffing                               | HRM 313           | 3            |
| HRM 404   | Employee Relations                     | HRM 313           | 3            |
| HRM 419   | Training and Development (HRD)         | HRM 313           | 3            |



|   |                                       |         |   |
|---|---------------------------------------|---------|---|
| HRM 424                                   | Contemporary Research in HRM          | HRM 313 | 3 |
| Choose one (1) course from the below list |                                       |         |   |
| MGT 314                                   | Entrepreneurship Management           | MGT 255 | 3 |
| MGT 321                                   | Change Management                     | MGT 255 | 3 |
| MGT 401*                                  | Organization Theory and Design        | MGT 255 | 3 |
| MGT 422                                   | Management and Leadership Development | MGT 255 | 3 |

\* This minor is available to female students only

| Digital Marketing Communication Minor for Non-Digital Marketing Communication Majors |  |                   |              |
|--|--|-------------------|--------------|
| Course Code  | Course Title                           | Prerequisite(s)   | Credit Hours |
| Total of six (6) courses to be taken   |  |                   |              |
| Required Courses   |  |                   |              |
| MKT 200  | Principles of Marketing                | ENG 200           | 3            |
| MKT 402  | Internet Marketing                     | MKT 200 + MIS 200 | 3            |
| Choose three (3) courses from the below list   |  |                   |              |
| MKT 301  | Consumer Behavior                      | MKT 200 + FWS 305 | 3            |
| MKT 303  | Retail Marketing                       | MKT 200           | 3            |
| MKT 304  | Marketing Communication                | MKT 301           | 3            |
| MKT 305  | Marketing Research                     | MKT 200 + BUS 204 | 3            |
| MKT 401  | International Marketing                | MKT 200 + ECO 202 | 3            |
| MKT 405  | Service Marketing                      | MKT 200           | 3            |
| ITE 415  | Advanced E-Commerce Application Design | ITE 414           | 3            |

| Management Minor for Non-Management Majors   |  |                             |              |
|--|--|-----------------------------|--------------|
| Course Code                                  | Course Title                           | Prerequisite(s)             | Credit Hours |
| Total of six (6) courses to be taken         |  |                             |              |
| Required Courses                             |  |                             |              |
| MGT 255                                      | Management and Organizational Behavior | ENG 200 + FWS 211           | 3            |
| HRM 313                                      | Human Resources Management             | MGT 255                     | 3            |
| Choose three (3) courses from the below list |  |                             |              |
| MGT 314                                      | Entrepreneurship Management            | MGT 255                     | 3            |
| MGT 321                                      | Change Management                      | MGT 255                     | 3            |
| MGT 401                                      | Organization Theory and Design         | MGT 255                     | 3            |
| MGT 422                                      | Management and Leadership Development  | MGT 255                     | 3            |
| BUS 306*                                     | Applied Management Science             | MGT 255 + STT 100 + ECO 201 | 3            |



| Choose one (1) course from the below list |                                |         |   |
|---|--------------------------------|---------|---|
| HRM 315                                   | Staffing                       | HRM 313 | 3 |
| HRM 404                                   | Employee Relations             | HRM 313 | 3 |
| HRM 419                                   | Training and Development (HRD) | HRM 313 | 3 |
| HRM 424                                   | Contemporary Research in HRM   | HRM 313 | 3 |

\* For Engineering students who have completed Engineering Economy or Principles of Microeconomics

## College of Engineering

| Landscape Architecture Minor   |   |                                |              |
|--|---|--------------------------------|--------------|
| Course Code  | Course Title                                  | Prerequisite(s)                | Credit Hours |
| CIV 203  | Introduction to Soils Sciences                | -                              | 3            |
| BOT 300  | Plant Materials I                             | CIV 203                        | 3            |
| BOT 301  | Plant Materials II                            | BOT 300                        | 3            |
| LAR 270  | Landscape Architecture Theory & Criticism     | LAR 230 or ARC 220             | 3            |
| LAR 310  | Landscape Design Studio III                   | LAR 250 (or ARC 250) + LAR 270 | 3            |
| LAR 350  | Landscape Design Studio IV                    | LAR 310 + BOT 301              | 3            |
| Note: Only for Architecture Students   |   |                                |              |
| Interior Design Minor  |   |                                |              |
| Course Code  | Course Title                                  | Prerequisite(s)                | Credit Hours |
| IND 240  | Color Theory in Design Applications           | -                              | 3            |
| IND 290  | Furniture Design                              | IND 215 or DES 210 or ARC 280  | 3            |
| IND 335  | Textiles                                      | IND 290                        | 3            |
| DES 110  | Design Com1-replaced by ARC 582 for ARC Major | IND 275 or ARC 250             | 3            |
| IND 100  | Introduction to Interior Design               | -                              | 3            |
| IND 215  | Interior Design Studio I                      | DES 110 + IND 100              | 3            |
| Construction Management Minor  |   |                                |              |
| Course Code  | Course Title                                  | Prerequisite(s)                | Credit Hours |
| Requirements for the minor are completing, from the following list, the first 3 courses in addition to 3 more courses from the remaining five courses: |   |                                |              |
| CMT 120  | Building Equipment and Methods                | ENG 100                        | 3            |
| CMT 200  | Introduction to Construction Management       | ENG 200                        | 3            |



|         |   |                   |   |
|---------|---|-------------------|---|
| CMT 230 | Specifications, Codes and Quantity Takeoff        | ENG 100           | 3 |
| CMT 232 | Mechanical & Electrical Systems in Building (MEP) | CMT 120           | 3 |
| CMT 242 | Construction Cost Estimating                      | CMT 230 + CMT 120 | 3 |
| CMT 331 | Construction Scheduling, Planning & Control       | CMT 242           | 3 |
| CMT 335 | Principles of Construction Safety & Health        | CMT 200           | 3 |
| CMT 499 | Special topics in construction                    | Senior Status     | 3 |

Note: Only for Civil Engineering, Architecture, Landscape Architecture and Interior Design Students.

| Electrical Engineering Minor |                                 |                    |              |
|------------------------------|---------------------------------|--------------------|--------------|
| Course Code                  | Course Title                    | Prerequisite(s)    | Credit Hours |
| CEN 201                      | Electric Circuits               | CEN 200 or PHY 201 | 3            |
| EEN 220                      | Electric Circuits II            | CEN 201            | 3            |
| CEN 304                      | Electronic Devices and Circuits | CEN 201            | 3            |
| EEN 360                      | Electronics Circuits            | CEN 304            | 3            |
| CEN 320                      | Signals and Systems             | MTT 205            | 3            |
| EEN 365                      | Control Systems                 | MTT 204 + CEN 320  | 3            |

- Computer Engineering students need to additionally take any EEN3XX course
- MEC390: Electromechanical Devices replaces CEN 201: Electric Circuits for Mechanical Engineering Students
- MEC410: Control Systems replaces EEN 365: Control Systems for Mechanical Engineering students
- Additional courses may be required as Prerequisites to the Minor courses

| Computer Engineering Minor |   |                                |              |
|----------------------------|---|--------------------------------|--------------|
| Course Code                | Course Title  | Prerequisite(s)                | Credit Hours |
| CEN 200                    | Introduction to Electrical and Computer Engineering | MTT 102                        | 3            |
| CSC 303                    | Digital Logic Design                                | MTT 102 + CEN 200              | 3            |
| CEN 466                    | Advanced Digital System Design                      | CSC 303                        | 3            |
| CEN 305                    | Microprocessors and Firmware Programming            | CSC 201                        | 3            |
| CEN 405                    | Embedded Networks                                   | CEN 305 + CSC 305 Co-requisite | 3            |
| CSC 202                    | Object Oriented Programming                         | CSC 201                        | 3            |

- Electrical Engineering students need to additionally take any CEN4XX course
- Additional courses may be required as Prerequisites to the Minor courses



| Aero Space Engineering Minor                                  |                              |                   |              |
|---|------------------------------|-------------------|--------------|
| Course Code   | Course Title                 | Prerequisite(s)   | Credit Hours |
| MEC 350   | Fluid Mechanics              | CIV 201 + MTT 205 | 3            |
| MEC 420   | Heat Transfer                | MEC 320 + MEC 350 | 3            |
| MEC 491   | Aerodynamics                 | MEC 350           | 3            |
| MEC 493   | Aerospace Structures         | MEC 350           | 3            |
| In addition to any two (2) of the following Elective courses: |                              |                   |              |
| MEC 490   | Compressible Fluid Mechanics | MEC 350           | 3            |
| MEC 492   | Aerospace Propulsion         | MEC 350           | 3            |
| MEC 494   | Computational Thermo-fluids  | MEC 465           | 3            |
| MEC 495   | Aircraft Design              | MEC 350 + MEC 430 | 3            |





# CODE OF CONDUCT

## Academic Integrity

The Academic Integrity Policy (AIP) establishes the framework for the expected conduct of students to maintain the highest standards of ethics. The information on the following pages will help students and faculty to understand the various forms of Academic Integrity (AI) violations and the consequences resulting from such violations.

### ***I. Academic Integrity (AI) Violations***

There are various ways in which academic honesty can be violated which are discussed below.

#### **A. Cheating**

Cheating is an act that diminishes the learning process and is intended to gain grades and academic advantages without actually doing the intellectual work that merits the grades or degree.

Examples of cheating include but are not limited to:

1. Copying another person's test answers during an exam.
2. Exchanging information regarding an exam during the exam.
3. Copying answers from notes such as those written on the body, clothing, pieces of paper, or electronic devices such as mobile phones and/or calculators.
4. Obtaining a copy of or information about an examination ahead of time.
5. Looking up answers in a book when the exam is specifically a closed book exam.
6. Buying projects and term papers.
7. Copying from someone else's paper, project or assignment.
8. Using notes or books during exams unless expressly allowed by the instructor.
9. Hiring a surrogate test taker.
10. Bringing forbidden materials such as calculators, computers, books, or notes into the exam unless expressly allowed by the instructor.
11. Communicating with other students regarding an examination during the exam.
12. Failing of students to switch off mobile phones during the exam.

#### **B. Plagiarism**

Plagiarism means representing another person's work as the student's own without acknowledgments. Plagiarism is a form of cheating. It means that students have submitted work for grading that they have not written themselves. Hence, there is no way to know if students have learned the material or merely copied it.





While students may cite direct quotes and pieces of texts, these should be used to support ideas. Even if all the sources have been properly cited, extensive copying is unacceptable, as understanding can only be demonstrated by students using their own thoughts and words.

All borrowed materials – direct or indirect (paraphrased) – require acknowledgments of the sources

Examples of materials borrow that require referencing are texts, graphs, photos/images, etc. from external sources such as internet, journals, books, and alike.

Examples of plagiarism include but are not limited to:

1. Borrowing all or part of another student's paper or using someone else's outline.
2. Using the same paper for multiple classes.
3. Submitting the same paper in two different courses and submitting it as the student's own work.
4. Copying sections of text from a source and replacing several individual words or phrases with synonyms, or similar words.

### **Turnitin (anti-plagiarism software)**

The faculty at Abu Dhabi University use a variety of techniques to authenticate student work. All written work is authenticated using Turnitin detection software. Turnitin is designed to detect various types of plagiarism in submitted documents, including text wherein individual words have been replaced by synonyms, or similar words. Any submitted written work that is suspected of plagiarism will be referred to the Office of Academic Integrity for further investigation. Students violating the University's Academic Integrity Policy are subject to penalties that include dismissal from the University.

### **C. Fabrication of Data**

Fabrication of data is the falsification or invention of any information or citation in an academic exercise. Fabricated information or data may not be used in any laboratory experiment or research project.

Examples of fabrication of data include but are not limited to:

1. Deliberately misreporting results of an experiment or field research.
2. Inventing data and resources for written, oral, or other presentations.
3. Inventing case studies and relevant facts in reports, papers, or presentations.

### **D. Presenting False Credentials**

Presenting false or misleading credentials on applications, CV's, and any other documents presented as part of the student's life constitutes academic dishonesty.

Examples of false credentials include but are not limited to:

1. Claiming degrees that were not earned.
2. Failing to report colleges and universities attended.
3. Presenting falsified transcripts.
4. Presenting falsified information.
5. Claiming false employment.
6. Misrepresenting immigration status.
7. Using fake ID cards.

### **E. Collusion**

Collusion occurs when students work together on a piece for assessed work when "working together" is not allowed. Collusion can occur when students copy from each other. Evidence of collusion on students' papers occurs when two or more papers have similar or identical wording. An individual student's understanding cannot be assessed if "ownership" of the assignment cannot be determined.

A student who "lends" his/her paper to other students is just as guilty as those who have copied from it, and unless it can be proven with absolute certainty, who wrote the original paper, the "lender" will also be faced with academic penalties.

### **F. Free Riding**

When assigned to work in collaborative groups, all students should participate in the activity or project. Students who could not demonstrate their contribution to the group work/activity will be considered as cheaters.

## ***II. Penalty for Violations of Academic Integrity (AI)***

All instances of violations of the AIP are subject to sanctions, including dismissal for cheating, other academically related egregious acts of deceptions and/or reckless disregard for the principle of AI. Under special circumstances and/or based on lesser degree of severity of the AIP violations, lower sanctions may be imposed.

Students found in violation of the AIP for the second time will be subject to more heightened sanctions. Students found in violation of the AIP for the third time will be subject to dismissal from Abu Dhabi University.



Imposition of any sanction for violation of the AIP is subject to due-process being carried out, availability of sufficient evidence being examined, the adjudication process being completed, and the process of appeal being exhausted.

Students dismissed from Abu Dhabi University for violations of the AIP will receive a failing grade (F) in the course in which the violation has occurred and Withdrawals (W) in all other courses taken in the same semester. Students dismissed from Abu Dhabi University for violations of the AIP are not eligible for receiving any refunds of tuitions and fees.

## **Excerpts of Examinations Protocols and Rules - Students' Responsibilities**

### ***I. Introduction***

The Office of Academic Integrity (OAI) has formulated Examinations' Protocols and Rules that govern students' conduct during examinations. It is the responsibility of students to be familiar with these rules and comply with them.

### ***II. Types of Examinations***

Examinations at Abu Dhabi University (ADU) can be either "closed book" or "open book." In "closed book" examinations, access to all materials related to the course is strictly prohibited. In "open book" examinations, students are allowed to have access to all materials during examination, with the exception of those specifically prohibited by the instructor. In the absence of any specific information, examinations are to be considered as "closed book."

### ***III. Students' Responsibilities***

#### **A. Pre Examination**

1. Switch-off your mobile phones (and all other electronic devices) and place them in front of the examination room and away from where you are seated.
2. Put all the materials such as books, notes, etc. in front of the examination room and away from where you are seated.
3. Select your seat randomly and avoid seating next to friends, family, and/or associates.
4. Bring and use only the type of calculator that is allowed by the instructor.

#### **B. During Examination**

1. Read and sign the "Warning Section" on the top of the Exam Cover Sheet.
2. Sign the exam's "Attendance Sign-Up Sheet."
3. Refrain from looking at someone else's exam paper.
4. Refrain from engaging in any form of communication (e.g., talking and/or whispering) with other students.
5. Refrain from any movements that can raise suspicions of illicit activities.
6. Refrain from engaging in any arguments with the instructor or proctor.
7. Write answers on the papers provided by the proctor.
8. Use the back of your answer sheets for any required calculations.

#### **C. After Examination**

1. Finish the examination on time and stop writing answers when instructed to do so.
2. Leave the room quietly.
3. Collect your belongings.
4. Report any concerns or problems to the OAI staff.

## **Excerpts of Procedural Guidelines for Examinations and Proctoring**

### ***I. Introduction***

The content and particulars of examinations are decided by the faculty members and communicated to the proctors and other concerned individuals such as IT staff. The overriding responsibility of the Office of Academic Integrity (OAI) is to ensure the integrity of the examination processes.

The responsibility for providing proctors to administer examinations rests with colleges and academic units. In the event of any shortfalls, the OAI will arrange for additional proctors to meet the needs of colleges and academic units.

The Procedural Guidelines for Examinations and Proctoring are described in the following sections. It is the responsibility of faculty members and proctors to be familiar with these rules and comply with them.



## **II. Personal and Professional Attributes of Proctors**

- Good reputation,
- Ability to take a supervisory role in the administration of examinations, and
- Lack of conflict of interest, both “in fact” and “in appearance.”

## **III. Types of Examinations**

Irrespective of the type of examination, and to minimize the possibility of students’ violations of the Academic Integrity Policy, faculty members are requested to prepare more than one version of an exam (this could be done by simple rearrangement of the questions or changing numbers in the exercises, etc.). In addition, all examinations should have the standard Exam Cover Sheet.

Examinations at ADU can be either “closed book” or “open book.” In “closed book” examinations, access to all materials related to the course is strictly prohibited, unless the materials are provided by the instructor (e.g., a formula sheet). In “open book” examinations, students are allowed to have access to all materials, with the exception of those specifically prohibited by the instructor. In the absence of any specific information, examinations are to be considered “closed book.”

## **IV. Types of Proctors**

- Proctor – the person responsible for monitoring exam-taking activities to ensure compliance with applicable rules and procedures.
- Roving proctor – the person representing the college and responsible for all examinations in any given examination time slot. The roving proctor is responsible for overseeing the activities of all proctors and addressing any issues of concern.

## **V. Assigning Proctors**

The scheduling of final examinations is the responsibility of the Office of the Registrar. The responsibility of the OAI is the assignment of proctors, which is done in collaboration with the colleges.

## **VI. Proctoring Duties**

### **A. Pre Examination**

1. Be available in the examination rooms 20 minutes and rearrange the chairs to create physical separation between students.
2. Review each examination information sheet for special requirements requested by the instructor.
3. Allow students into the examination room ten (10) minutes before the exam time.
4. Ensure random seating of students as they enter the classroom and take-up seats.
5. Request each student to display valid Student ID (other valid IDs with photo such as driving license may be acceptable).
6. Instruct students to put away all unauthorized materials, including mobile phones and other electronic devices in front of the examination room and away from where they are seated.
7. Review with students major items that constitute cheating (e.g. speaking, exchanging information, accessing unauthorized materials such as mobile phones, etc).
8. Ensure each student receives the correct version of the exam.
9. Place the examination papers in front of students, faced-down, and one-by-one.
10. Announce the start of the examination, write the time of the examination on the whiteboard (e.g., exam duration two (2) hours, starting time 09:00 a.m., and finishing time 11:00 a.m.), and adjust the finishing time, if necessary (e.g., exams starting with some delays require finishing time to be extended to compensate for the delay).

### **11. Start the exam.**

### **B. During Examination**

1. Preventing conducts that are violations of the provisions of the AIP (e.g., cheating), and
2. Detecting acts of violations of the provisions of the AIP (e.g., catching cheating activities).

Prevention -- The continuous vigilance and engagement of proctors are the two necessary conditions to prevent violations.

Detection of Violations – In instances where direct evidence of violations exists (e.g., students using and/or possessing handwritten or electronically stored course related materials), the proctor should take the following actions:



1. Approach the student.
2. Collect the Student ID and the examination papers.
3. Secure the evidence of violation such as handwritten notes or electronic devices.
4. Notify the instructor of the course or the roving proctor.
5. Complete and submit to the OAI the Exam Violation Documentation Form along with the evidence of cheating (e.g., notes, mobile phones, or other electronic devices).
6. Notify the roving proctor and/or the representative of the OAI, in cases of non-cooperating students.

In instances where the violations of the AIP is suspected, but no direct evidence is observed, students should be allowed to complete the exam. However, once the exam is completed, students' exam papers should be marked as "suspected case of cheating," the instructor of the course notified, the Exam Violation Documentation Form completed, and the case referred to the OAI.

In addition to the above broad guidelines, proctors need to follow specific rules during examinations, as outlined below:

1. Ensure unauthorized electronic devices are kept away from the proximity of students.
2. Remind students that any violations of the AIP will result in the ejection of students from the examination room.
3. Instruct students to read and sign the "Warning Section" on the top of the Exam Cover Sheet.
4. Circulate exam's "Attendance Sign-Up Sheet" to collect students' signatures.
5. Prevent students to enter the examination room after 30 minutes from the start of the exam. In these cases, the Non-Admitted Late Comers Notification Form should be completed and submitted to the OAI.
6. Prevent students to leave the examination room prior to 40 minutes from the start of the exam.
7. Prohibit use of any unauthorized materials or resources unless specifically allowed by the instructors.
8. Monitor students to ensure they are focused on completing the examination.
9. Maintain a physical presence at all times by walking around and paying close attention to students' behavior and conduct.
10. Monitor students' conduct while on emergency break (e.g., using the restrooms).
11. Enforce the following exam-taking rules:
  - a. No talking between and among students,
  - b. No answering of questions by students or proctors,
  - c. No exchanges of any kind of materials between and among students, and
  - d. No change of seats unless for valid reasons and with the consent of the proctor.

#### C. After Examination

1. Finish the examination on time and orderly.
2. Secure the completed examination papers.
3. Deliver completed exams to the representative of the college or the roving proctor.
4. Ensure students remain seated until the proctor collects the examination papers.
5. Collect examination papers from students, one-by-one.
6. Account for the total number of exam copies by counting completed exam papers, match the numbers against the number of students on the "Attendance Sign-Up Sheet", and the head count.
7. Validate the completeness of total copies of the exam (i.e., exams taken plus excess copies should be equal to the number of copies originally received).
8. Contact the IT staff to secure the lab for the lab-based examinations.
9. Remind students to collect their personal belongings.
10. Handover any items left behind by students to the Security Officer or the OAI Representative.



# COURSE DESCRIPTIONS

## College of Arts and Sciences

### General Education Courses

#### **ARL 100 - Communication Skills in Arabic Language**

*Credit Hours: 3*

*Prerequisite: No Prerequisite*

*\* ARL100 -E Pre- requisite will be - Non-Native Arabic Speaker/or Students who did Arabic as secondary language in high school*

This course aims to develop the students' linguistic skills and enhance their proficiency in modern standard Arabic. It is designed to polish the students' fundamental and advanced skills in listening, reading, speaking and writing in order to meet their academic needs at university and the professional requirements of the work place.

#### **ENG 100(A) - \* English 1 (A)**

*Credit Hours: 3*

*Prerequisite: None*

This course provides instruction and practice in general English skills for freshmen students whose courses are taught in Arabic. The course aims to develop their skills in writing standard academic paragraphs with clear topic sentences and subsequent supporting sentences. It strengthens and focuses on skills in grammar and mechanics. The students also improve their proficiency in reading, listening and speaking skills to develop their oral and written communication skills.

#### **ENG 100(MA) - \*\* English 1 (MA)**

*Credit Hours: 3*

*Prerequisite: None*

The course offers instruction and practice in general English for freshmen students whose major is media, and whose courses are primarily taught in Arabic. The

students acquire and develop basic grammar and vocabulary skills needed for effective communication with an emphasis on critical reading and thinking conducive to writing. This course provides explicit instruction and practice in academic and genre-specific writing strategies to not only enable students develop a deeper understanding of the language but also consider how purpose, audience, and situation interact to shape different communication formats.

#### **ENG 102 - English 1**

*Credit Hours:*

*Prerequisite: English Placement Test*

This course provides instruction and practice in university level academic writing skills. It enhances the students' skills in writing standard academic paragraphs with clear topic sentences, supporting ideas, and details. It also develops their ability to write essays with clear thesis statements, supporting/body paragraphs, and conclusions. The course not only strengthens and highlights the students' proficiency in grammar and sentence structure but also builds on their ability to present information orally. Students are encouraged to become independent learners, capable of exploring the reading and writing processes.

#### **ENG 200 - English 2**

*Credit Hours: 3*

*Prerequisite: English Placement Test + FWS 100 or ENG102 + FWS 100*

The course focuses on writing for academic purposes. It teaches expository writing using a process-oriented approach. The structure of paragraphs and essays and their components are taught in steps and are connected to each other. The course also reviews



sentence structure and punctuation rules. Writing exercises involve extensive drafting and revising based on individual input and tutorials from the course instructors. Students also practice writing under pressure. An important component of the course is a research project where students research and write on a topic related to their field of study or area of personal interest. An important component of the course is a research project where students research and write on a topic related to their field of study or area of personal interest.

### **ENG 200(A) - \*English II (A)**

*Credit Hours: 3*

*Prerequisite: minimum C grade from ENG100(A)*

English II (A) offers training and practice in basic business communication for Law students, to improve their performance in a context where English is used as a second language. The aim is to promote their professional and career opportunities, by introducing effective communication and information management skills and principles in the workplace in order to enhance their workplace efficiency and team building skills.

### **ENG 200(MA) - \*\*English II (MA)**

*Credit Hours: 3*

*Prerequisite: minimum C grade from ENG100(MA)*

The course focuses on developing students' competencies in oral and written forms appropriate for different media genres, using proper grammar and language for the intended audience. Students obtain a deep and practical knowledge of the processes involved in creating an advertisement providing a tangible evidence of students' knowledge, abilities, and growth in understanding different media genres.

### **FWS 100 – Academic Skills for Success**

*Credit Hours: 3*

*Prerequisite: None*

The course is designed to help freshmen students adapt to the university environment and develop a better understanding of the essential academic skills, required for their success at the university. Concepts and skills such as self-management, cognitive enhancement, research and presentation techniques as well as problem solving skills will be explored. Students will also learn how to improve and overcome the challenges of academic life, and to promote an environment where they are recognized for having high levels of integrity, an indispensable part of their personal and intellectual growth. In addition, students coming from multicultural backgrounds are given opportunities to discover and practice many strategies and techniques for their overall personal and academic enhancement.

### **FWS 201 – Fundamentals of Life Skills**

*Credit Hours: 3*

*Prerequisite: ENG102*

The Life Skills course is tailored to the needs of the learner to be socially and emotionally aware and to establish and maintain positive relationships with others by working productively and collaboratively. The experiential learning approaches will enable the learners to be mindful in applying financial and media literacy in context, be conscientious individuals who care for self, others and society and practice social responsibility, by contributing to the wider community through their informed, ethical and responsible behavior.

### **FWS 205 - UAE and GCC Society**

*Credit Hours: 3*

*Prerequisite: ENG 102 + (Co) UNS 102*

This course will enable us to

understand the processes of society development and discuss the ways we can contribute towards it. The course aims at developing better understanding of the UAE and GCC society and its social, economic and political development. Students will develop appreciation for the UAE and GCC society's leading role in the use of technology in sustainability, innovation and entrepreneurship. Using UAE vision, students will enhance their understanding of the key enablers of economic growth ensuring a balanced social, environmental and economic development that brings benefits to all.

### **FWS 211 – Fundamentals of Emotional Intelligence**

*Credit Hours: 3*

*Prerequisite: ENG102(E)+ FWS100(E)*

*Co-requisite: FWS100(E) as co-requisite if students start with ENG200*

This course enables students to gain scientific insights into emotions and their impact in their personal and professional lives. In addition, the students will gain insight into how psychology will have an influence on human behavior and develop valuable relationship with others by understanding the fundamental principles of Emotional Intelligence. This specifically includes fostering a greater sense of developing the building blocks of emotional intelligence, helping the students to apply effective strategies for self-management and self-improvement.

### **FWS 301 – Developing Future Leaders**

*Credit Hours: 3*

*Prerequisite: FWS100 + ENG200 and Completion of minimum 45 credit hours*

In this course, students will learn about and apply leadership skills in a hands-on practical way that encourages them to challenge their



own beliefs and assumptions about what constitutes leadership. They will become familiar with various ways of exercising leadership in different contexts. The course will help students consider leadership through a lens of equity and develop their capacity for ethical orientation and intellectual humility.

### **FWS 305 - Technical Communication for Work Place**

*Credit Hours: 3*  
*Prerequisite: ENG 200+ Completion of minimum 45 credit hours*

A technical communication course that introduces students to the principles, techniques, and skills with emphasis on professional writing for workplace purposes. It also emphasizes on the reporting tools to help them prepare effective workplace documents. Students develop project planning and time management skills by working teams to gather and share information, and deliver different types of written correspondences and multimedia oral research presentations.

### **FWS 310 - Fundamentals of Innovation and Entrepreneurship**

*Credit Hours: 3*  
*Prerequisite: ENG200 + Minimum of 60 credit hours*

The course aims at equipping the next generation of leaders with an innovative and entrepreneurial mindset. It takes a skill rich approach to learning innovation and entrepreneurship that can be applied to any high- growth enterprise or other organization in the UAE and globally. The course is composed of three modules: Design Thinking Process; Entrepreneurship; and Growth and Leadership. Students will develop an understanding of the nature of entrepreneurship and its connections to the culture and economy of the UAE, and how innovation drives entrepreneurship.

The course uses a hands-on approach and engage students in critical thinking, creativity, active and reflective citizenship, empathy, teamwork and ethical decision making preparing them to contribute to the entrepreneurial ecosystem of the country.

### **ISL 100 - Islamic Culture**

*Credit Hours: 3*  
*Prerequisite: No Prerequisite*  
*ISL 100 -E Pre-Requisite will be -Non-Native Arabic Speaker/or Students who did Arabic as secondary language in high school*

The course aims to move the discussion on Islam from a theological framework to a cultural one. Its goal is to inculcate a broad understanding of the unity and diversity of the Muslim world, which has existed historically and continues today. Thus, students will investigate several aspects of Islamic culture: Muslim ethics, the contributions of Muslims to world civilization, the rich legacy of Islamic art and architecture, as well as the traditions of learning. Students will also explore contemporary Muslim societies with a view to understanding some of the issues and challenges, which Muslims are facing today. Ultimately, the course will ask students to examine how they can contribute to a positive image of Islam.

### **ITD 100 - Introduction to Information and Digital Technology**

*Credit Hours: 3*  
*Prerequisite: No Prerequisite*

This is a practical course that introduces basic software applications for the purpose of making diagrams, presentations, spreadsheets calculations, documentations, image processing as well as databases. Students will work in a computer laboratory to fulfill the practical requirements of the course and will be exposed to a variety of standard software

packages such as Microsoft Visio, Excel, PowerPoint, Word, Access, and Paint.

### **MTG 100 - Math for Life**

*Credit Hours: 3*  
*Prerequisite: No Prerequisite*

This course is designed to enable students to put into practice basic math skills in various daily life applications. It also teaches them how to use the calculator properly in problem solving. It contains basic and essential topics such as various number notations, order of operations, ratios, measurements and conversions, as well as solving simple equations. In addition to day to day practical applications like donations, purchases, vacations, mileage, sales, discounts, etc., the course also address many interesting applications that will stimulate students' thinking.

### **MTH 100 - Algebra (Preparatory)**

*Credit Hours: 3*  
*Prerequisite: No Prerequisite*

This course will provide a solid foundation for further studies in mathematics. It aims to help students develop computational, procedural, and problem-solving skills. The course will include topics such as polynomial operations, factoring, absolute value, rational expressions, equations (linear, quadratic, radical, rational), systems of equations, inequalities, functions, graphs of quadratic and linear equations and inequalities in two variables, complex numbers and arithmetic/geometric series with their applications.

### **MTT 101 - Pre- Calculus**

*Credit Hours: 3*  
*Prerequisite: Math Placement Test or MTH100*

This course provides students with a background in mathematical skills essential for progression to the study of Calculus and further engineering mathematics. Basic and essential topics will be covered including exponential, logarithmic and





trigonometric functions, along with their graphs. The course also contains solving systems of linear equations by using matrices.

### **MTT 102 – Calculus 1**

*Credit Hours: 3*

*Prerequisite: MPT or MTT101 with minimum grade of C for all Engineering majors, except Architecture and IT*

This is a single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. Students will be introduced to the concepts of limits, continuity, derivatives, anti-derivatives, and definite integrals. Students will also be exposed to applications such as curve sketching, optimization problems, area and volumes.

### **NSC 201 – Natural Science**

*Credit Hours: 3*

*Prerequisite: No Prerequisite*

This course provides students with a fundamental knowledge in science as to help them communicate and understand the profound changes in their society. The concepts of the main four principles: Chemistry, environment, biology, and physics are presented in a way that highlights their interrelationship. In addition, the course addresses several local and global environmental issues which have significant impacts on sustainability and everyday life.

*\*\*for IT major only*

### **SIS 201 – Introduction to Sustainable Sciences**

*Credit Hours: 3*

*Prerequisite: ENG102*

Introduction to Sustainable Sciences is a course designed to encourage students to be efficient members

of 21st Century Action Plan set up by UN towards Global Sustainability Development. This course introduces students to major ecological concepts, the environmental problems that affect the world in which we live and methodologies that will help us manage the Earth's resources today and into the future. The course focuses on concepts that are real-life issues. It promotes awareness and understanding of practical everyday problems that affects people's lives. This course has been established to help students think globally when making decisions in the local community on issues related to water resources, global climate change, renewable and non-renewable energy sources, waste management and the roles played by different stakeholders in order to promote a sustainable Earth.

### **STT 100 – General Statistics**

*Credit Hours: 3*

*Prerequisite: No Prerequisite*

This course aims at providing students with an understanding of fundamental concepts in general statistics. The topics will be covered in the course include descriptive statistics, probability, and binomial and normal distributions. The course will be devoted to applications of how statistics is commonly used in real life.

## **Bachelor of Arts in English**

### **College Requirements**

#### **ASC 301 Research Report Writing**

*Credit Hours: 3*

*Prerequisite: STT 100*

The product of this course is a research paper that incorporates ideas and information into an argument developed and focused by the student. Class work supports the process of researching and writing the research paper by exercising a broad range of skills.

#### **ENG 204 Situational Conversation**

*Credit Hours: 3*

*Course Prerequisite: ENG 200*

The course is designed to expand and strengthen students' speaking and listening skills in conversational and speaking areas and tasks that they will meet in academic, professional and social situations.

#### **ENG 205 Critical Reading Skills**

*Credit Hours: 3*

*Course Prerequisite: ENG 200*

The course is designed to help students develop effective reading and clear thinking skills (cognitive, evaluative, analytic, synthetic, etc.) that meet the demands of college-level reading skills in all academic disciplines. Focus will be on skimming, scanning and critical reading for reading texts of varied themes and styles, and of non-linear texts (pictures, drawings, visual media, etc.)

#### **ENG 206 English Grammar**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This course introduces students to basic





grammatical concepts and categories that are common to the competing theoretical schools of linguistics. A basic course in grammar, traditional, structural, and transformational, this introductory grammar course is primarily designed to allow students to gain a sufficient amount of "Explicit" (conscious) Knowledge of English Grammar and to provide students with the tools necessary for understanding language structure.

### **ENG 208 Narration and Description**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This skills course requires students to write and evaluate both brief and more developed narrative and descriptive essays, either personal or imaginative.

Students will write and revise narratives and descriptions, based on their own experiences and imagination, in order to develop greater comfort and fluency in English expression, a larger vocabulary, and a better sense of audience.

### **ENG 209 English Composition I**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This skills course requires students to write and evaluate both brief and more developed narrative, descriptive and expository pieces. The process should allow them to develop greater comfort and fluency in English expression as well as introduce them to the skill of critiquing different forms of writing.

### **ENG 302 Contrastive Analysis of Arabic and English**

*Credit Hours: 3*

*Prerequisites: ENG 303 + ENG 307*

This course is an applied linguistics course which contrasts Arabic as L1 and English as L2 for the purpose of equipping students with the necessary tools and techniques of handling areas of contact between

these two languages as in English Language teaching/learning, translation etc. Students are required to use discovery procedures by comparing/contrasting data from both languages to which they empirically apply theoretical knowledge on all levels of language: phonological, morphological, syntactic, semantic and textual.

### **ENG 303 Introduction to the Study of Language**

*Credit Hours: 3*

*Prerequisite: ENG 206*

This is an introductory course in the nature of language, its structure and use. It covers the basic ideas concerning the scientific study of language as a system of communication and a form of human behavior. It also introduces the student to linguistic analysis by solving problems from English. Finally, this course covers the interrelationship between linguistics and other disciplines such as psychology, sociology, and anthropology.

### **ENG 306 Writing II**

*Credit Hours: 3*

*Prerequisite: ENG 209*

Writing II is the last of the writing courses and is concerned with complex writing that requires developed writing skills. The course focuses on the skills required to write effective analytic and argumentative essays and research papers. The kind of writing produced in the course belongs to different genres and disciplines but it is distinguished essentially by dealing with complex concepts and by using complex language structures.

### **ENG 307 English Phonetics & Phonology**

*Credit Hours: 3*

*Prerequisite: ENG 204*

A study of the sound system of the English Language, treating

the production and perception of sounds and clarifying the concepts of "contrast" and "distribution". This is accompanied by drills in pronunciation and transcription. The course also deals with the basic phonological processes in English in order to improve the pronunciation of the students.

### **ENG 310 Debate and Discussion**

*Credit Hours: 3*

*Prerequisite: ENG 204*

The course focuses on developing students' oral skills and improving their argumentative skills through building arguments based on facts and logical thinking.

### **ENG 401 Discourse Analysis**

*Credit Hours: 3*

*Prerequisite: ENG 303*

The course introduces students to how people communicate through combination of language units in the form of "texts" and how these "texts" are adapted to suit the subject matter, medium, interlocutors and purposes. It familiarizes the students with the linguistic construction of different text types, and the ways in which they can be analyzed from a variety of perspectives, so as to help them understand and use the notion of register.

### **LIT 301 Introduction to English Literature**

*Credit Hours: 3*

*Prerequisite: ENG 205*

This is the first course in the literature sequence and the prerequisite for all the subsequent literature courses. It will acquaint students with the various literary genres basically drama, poetry and fiction as well as the various forms and styles of literary writing. Special emphasis will be given to the understanding and analysis of a text's literary elements.



### **LIT 302 Readings in Contemporary English Literature**

*Credit Hours: 3*

*Prerequisite: LIT 301*

This course brings the student's interpretive skills to bear on the more recent, more immediately relevant, and often more complex forms of modern and postmodern literary expression that have emerged in our global culture. Thematically, the course is chiefly concerned with the interaction between global culture and traditional culture in the wide range of literature currently being written in English from North America, the United Kingdom, Australia, New Zealand, Africa, Asia and the Caribbean

The course readings are taken from contemporary literature written in English mainly from Africa, Asia, the Caribbean, Australia and New Zealand as well as the literature written by writers who emigrated from these places to the United Kingdom and North America. Traditional and experimental forms in the three major genres will be examined in the light of recent literary history.

## **Major Requirements**

### **TFL 302 Educational Linguistics**

*Credit Hours: 3*

*Prerequisite: ENG 303*

This course introduces students to the ways in which different theories of language impact differently on educational debates. Examples of these theories are (1) Functional theories, (2) Generativist theories, (3) Sociolinguistics theories, and (4) Psycholinguistics theories. Each of these theories has its own principles that have remarkable influence on many educational issues.

### **TFL 304 Methods of Teaching 1**

*Credit Hours: 3*

*Prerequisite: ENG 303*

This course is designed to introduce the theory and practice of teaching English as a second/foreign language TFL/ESL by analyzing and discussing the major approaches, methods, and techniques used in English language teaching in their historical context. The course focuses on the awareness of students' needs, classroom strategies, and the use of technical aids to study.

### **TFL 306 Curriculum and Material Development**

*Credit Hours: 3*

*Prerequisite: None*

This course aims at helping students acquire a comprehensive and effective understanding for improvement-oriented foreign language curriculum development by studying the FL curriculum theory and research particularly related to needs analysis, design, implementation, evaluation, and other fundamental issues such as standards.

### **TFL 401 Methods of Teaching 2**

*Credit Hours: 3*

*Prerequisite: TFL 304*

This course is an extension of Methodology 1 and will, therefore, address itself to the four macro-language skills and their sub-skills: the teaching of vocabulary, reading, writing, speaking, grammar, and texts.

This course also critically examines the contemporary approaches to English language teaching, in comparison with the traditional ones. Aspects of classroom practice will be analyzed, including teachers' and learners' roles, classroom management, and teaching the language skills integrative and separately. The issues of language learning strategies and cooperative learning will also be covered.

### **TRA 301 Introduction to Translation**

*Credit Hours: 3*

*Prerequisite: ENG 206*

This is an introductory course to the

process of translating from English into Arabic and vice versa. The aim is to train students to identify, analyze and solve the linguistic issues involved in this process, and to use the educational resources needed to develop competency in translating. A whole spectrum of lexical, grammatical, semantic, and textual issues on an introductory level are to be discussed in the course. Topics translated will start with everyday language and proceed gradually to more specialized topics of education, social sciences, history, politics, etc.c.

### **TRA 302 Issues in Translating English Texts**

*Credit Hours: 3*

*Prerequisite: TRA 301*

This course builds on the basic theoretical and applied techniques students acquired in the course TRA 301: Introduction to Translation. Students will be exposed to more advanced translation skills, in the areas of lexical, syntactic, pragmatic, and textual equivalence between English and Arabic, as well as textual coherence and discourse components in Arabic. Advanced texts from various genres will be attempted throughout the course.

### **TRA 304 Issues in Translating Arabic Texts**

*Credit Hours: 3*

*Prerequisite: TRA 301*

The course addresses translating as a problem-solving process with respect to translating from Arabic into English. It concentrates on how to translate different Arabic styles with their redundancies, verbosity, sentence complexity and running-on texts. The aim is to bridge the gap between Arabic and English through pre-translation preparation of the source text and all the techniques applied so that it can be rendered into good English. It also deals with the problem of under-translation and how to evaluate the end product. Students are trained in translation from Arabic into



English in different fields and genres.

### **TRA 307 Media Translation**

*Credit Hours: 3*

*Prerequisite: TRA 301*

The course is meant to focus on practical translation of films and their titles, and/or the translation of plays to be acted in English and Arabic. Focus will be on the main problems a translator may encounter due to journalistic and mass media style.

The aims of the course are to understand the features of mass media discourse and do practical translation of films and plays.

### **LIT 406 Survey of British Literature**

*Credit Hours: 3*

*Prerequisite: LIT 301*

Survey of British Literature is a core course which surveys the poetry, fiction, and drama of British literature from the Renaissance to the modern age. The course looks at historical contexts and representative works.

### **LIT 408 Survey of American Literature**

*Credit Hours: 3*

*Prerequisite: LIT 301*

An elective course, this course surveys the poetry, fiction, and drama of American literature from the European settlement to the twenty-first century. It looks at historical contexts and studies representative works.

The course is designed to give students an overview of American literary history by focusing on literary genres starting from the literature of the new settlements in the early 16th century to the present day.

### **ENG 399 Internship/Capstone Course/Project in English**

*Credit Hours: 3*

*Prerequisites: 80 Credit Hours*

This course focuses on getting the student practically involved in the day-to-day business events in a

relevant, modern, automated and English-speaking or bilingual (Arabic-English) organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site supervisor and college supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

## **English Major Electives**

### **ENG 403 Language and Society**

*Credit Hours: 3*

*Prerequisite: ENG 303*

This course is a study of the English language as social behavior. It provides students with knowledge of language differences, especially with variation in the use of English. It also trains them to adjust their linguistic behavior to different social circumstances, through the study of the linguistic behavior of individuals and groups in different situations. The aim is not to study theory but to point out the relation between language and society so that students can comprehend and use English in a socially appropriate manner.

### **ENG 405 Advanced Writing**

*Credit Hours: 3*

*Prerequisite: ENG 305*

Advanced Writing is the last of the writing courses and is concerned with complex writing that requires developed writing skills. The course focuses on the skills required to write effective analytic and argumentative essays and research papers. The kind of writing produced in the course belongs to different genres and disciplines but it is distinguished essentially by dealing with complex concepts and by using complex language structures.

### **ENG 407 Morphology of English**

*Credit Hours: 3*

*Prerequisite: ENG 303*

The course introduces students to inflectional and derivational morphology, mechanisms involved in word formation: affixation, borrowing, compounding, conversion, etc, their implications to the English lexicon, and units longer than the word. Students also learn how meanings change over time and across dialects.

### **ENG 409 Syntax of English**

*Credit Hours: 3*

*Prerequisite: ENG 303*

This course deals with traditional concepts which have been greatly refined and extended over the past thirty years: what nouns, verbs, adjectives and adverbs are and how they can be recognized; what a subordinate clause is and how different types of subordinate clauses can be recognized; what subjects and objects are. The course draws out the connections between syntax and meanings; in particular, two topics focus on issues such as tense, mood and voice which are central to the use of language and are of major importance in second language learning. These topics illustrate clearly the interconnection between grammar and meaning.

### **ENG 411 Lexical Semantics**

*Credit Hours: 3*

*Prerequisite: ENG 303*

The course involves the study of the linguistic meaning of words and sentences as a multi-faceted phenomenon. It deals with topics such as the lexicon, synonymy, homonymy, ambiguity, antonymy, and the relationship between meaning and other areas of grammar, such as phonology, morphology, and syntax. It points out the rules of meaning and when they may be broken as in anomaly, metaphors, idioms, etc.



### **ENG 413 Pragmatics**

*Credit Hours: 3*

*Prerequisite: ENG 303*

The course deals with language use in social interactions and the relation of this to “meaning”, and how language provides alternatives ways of saying the same thing, and what those alternatives accomplish communicatively in the “discourse context” where the “information structure”, i.e. pragmatic, is mapped.

### **ENG 417 History of English**

*Credit Hours: 3*

*Prerequisite: ENG 303*

This course is a survey of both the external and internal history of the English language, with special focus on the major changes which occurred within the culture and the language. It also deals with the contact between English and other languages and culture.

### **LIT 410 World Literature in Translation**

*Credit Hours: 3*

*Prerequisite: LIT 301*

An elective course in literature, this course will widen the scope of literary study to include literature from different periods and cultures.

The course offers a sampling of famous works from all parts of the world, including ‘classic’ and contemporary works. A historical approach will provide coherence to the study of this diverse material.

The course aims to deepen knowledge and to exercise skills developed in earlier literature courses by engaging students with an even broader range of literary forms and historical contexts as these relate to a particular theme.

### **LIT 412 Major Author**

*Credit Hours: 3*

*Prerequisite: LIT 301*

This is an elective and advanced literature course which studies the career and the representative works

of a major author who produced a body of literature in English. The course follows the career of the author from its beginning to the climax of the author’s achievement and beyond that. The author’s work is related to his/her biography and is placed within its proper historical context.

The author to be studied is left to the instructor to determine. An author may be offered only once or many times.

### **LIT 414 The Novel**

*Credit Hours: 3*

*Prerequisite: LIT 301*

This is an elective and advanced literature course. It is a focused study of a literary genre: fiction, drama, or poetry. It examines in some detail the aspects of the genre that is studied and traces its beginning and development. It also examines and applies the critical methods that are used for the discussion of the genre. At least three exemplary texts of the genre are studied.

### **LIT 416 Representation of the woman in Literature**

*Credit Hours: 3*

*Prerequisite: LIT 301*

This is an elective and advanced literature course. It is a focused on the study of a literary theme. It examines in some detail the theme that is studied and its expressions and traces its development. It also examines and applies the critical methods that are used for the discussion of that theme. Three exemplary or four texts that express the theme are studied.

The theme that is chosen for the course is the representation of the woman in literature. However, this very broad topic is made specific here by dealing with the woman’s perception of herself and her role in society, her response to the perception and role imposed on her by a male dominated society, her effort to negotiate a measure of change in the perception of herself, her position and her role in her community. The works studied are by female authors from the sixteenth century to the present.

The movement from compliance and complicity of the female with the patriarchal society to rebellion and revolt against this society and her effort to get control over her destiny are studied along with the kind of expression that is used to smuggle the female agenda into the male consciousness.

### **TFL 402 Error Analysis and Materials Design**

*Credit Hours: 3*

*Prerequisite: ENG 302*

This course is designed to provide students with an introductory survey of the major issues related to the sources of second/foreign language learners’ errors: interlingual, intralingua and developmental. Students will be required to provide linguistic analyses of both Arabic and English in the areas of structure, sound system, rhetorical organization, etc. The ultimate goal is to find aspects of similarities and differences between both languages, and to decide whether these aspects are related to learners’ errors in English as a second/foreign language. In addition, this course aims to equip students with the principles of instructional design for English language teaching by evaluating recent textbooks with a variety of instruments of evaluation.

### **TFL 404 Psychology of Language Learning**

*Credit Hours: 3*

*Prerequisite: FWS 210*

This course is designed to teach students the aspects of psychology which are non-controversially linked to language teaching. It will examine a considerable quantity of theory and evidence, especially the place and usefulness of psychology in language teaching/learning. It will look at language teaching techniques in current use from the viewpoint of experimental and social psychology, as well as the current ideas on how languages are learned.



### **TRA 401 Issues in Technical/Genre Translation**

*Credit Hours: 3*

*Prerequisite: TRA 302 + TRA 304*

The course is designed to enable students achieve advanced competence in translation by being exposed to different registers and technical uses of the language and to adopt their Arabic/English styles according to "variant" strategies and principles. Students will be trained to achieve a professional standard with emphasis on literary, linguistic, legal, economic genres, etc. Students' competence, both linguistic and translational, will be heightened to a degree of explicitly making decisions and 'free' choices to solve translation problems and to express themselves in an authentic rhetorical style in both languages. Major theoretical positions on translation equivalence from the publications of the Arabic language academics are presented and assessed..

### **TRA 402 Principles of Translation Quality Assessment**

*Credit Hours: 3*

*Prerequisite: TRA 401*

The course deals with the evaluative and practical aspects of textual effectiveness in translating other types of topics not dealt with before. It uses both the deductive and inductive approaches to help students understand the theory of translation and the different linguistic, literary and cultural issues related to it, so as to achieve a competent skill of evaluating translations rendered by them as well as others.

### **TRA 403 Theory of Translation and Professional Issues**

*Credit Hours: 3*

*Prerequisites: TRA 302 + TRA 304*

The course deals with the nature of translation and whether translation studies have an autonomous status as they bring together work in a wide variety of fields (literary study, anthropology, psychology, and linguistics) or are only a sole branch of applied linguistics. The course

shows that translation studies have had multidisciplinary dimensions and aspects. The course also reviews the different semantic, pragmatic, socio-cultural, functional, and dynamic theories of translation. Selected translated texts will be analyzed to illustrate the above approaches.

### **TRA 404 Introduction to Interpreting**

*Credit Hours: 3*

*Prerequisites: TRA 302 + TRA 304*

The course deals with the two highly specialized modes of interpreting: consecutive and simultaneous interpreting. Consecutive interpreting skills include note-taking techniques while simultaneous interpreting is usually performed by using technical equipment. Therefore, most of the sessions will be conducted in the multimedia laboratory. Students will be trained in the various strategies adopted in interpreting.

## **Bachelor of Arts in Mass Communication**

### **Program Core Requirements**

#### **Compulsory Courses**

##### **ASC 301 Research Report Writing**

*Credit Hours: 3*

*Prerequisite: STT 100*

To the product of this course is a research paper that incorporates ideas and information into an argument developed and focused by the student. Class work supports the process of researching and writing the research paper by exercising a broad range of skills.

##### **MKT 200 Principles of Marketing**

*Credit Hour: 3*

*Prerequisite: ENG 200*

This course is designed to introduce students to the fundamental concepts of marketing and how they are currently applied in the marketplace. It should provide a stimulating environment for each participant in which they can explore the central tasks of marketing and build on previous experiences. The module enables participants to gain familiarity with the tools/processes currently used by practicing marketing professionals in analyzing market opportunities and to apply these in different contexts.

##### **MMC 201 Introduction to Mass Communication**

*Credit Hour: 3*

*Co-requisites: (Co) ENG 100/ ENG 200*

Introduction to mass communication introduces student to the various fields in mass media including (but not limited to) digital media, film, journalism, public relations, advertising, radio, television, and the Internet. This course will survey the basic principles, theories, and processes of each specialized area.

##### **MMC 203 Writing for Mass Media**

*Credit Hour: 3*

*Prerequisite: MMC 201*

This course covers writing for various media fields: print and electronic journalism, public relations and advertising, etc. Students learn the basics of writing for mass communication including writing news leads, news stories, simple advertisements, broadcast items and press releases.

##### **MAC 201 Intercultural Communication**

*Credit Hour: 3*

*Pre-requisites: MMC 201*

This course has an emphasis on





the interaction between culture, communication, and language. Students examine the customs, beliefs and mores of various cultures around the world and develop an appreciation and understanding of the factors that affect communication resulting from differences in language and culture.

### **MAC 205 Theories of Mass Communication**

*Credit Hour: 3*  
*Prerequisite: MMC 201*

An examination of mass communication theories and theorists. This course will provide a basic understanding of the nature of mass communication. Students will learn, research, and discuss the various theoretical approaches related to the impact of mediated communication on the individual and the culture. Nature of the communication process in groups and between mass media and audiences will be also discussed.

### **MAC 300 Media Research Methods**

*Credit Hour: 3*  
*Prerequisite: MAC 205*

It is an introduction to the development and application of historical, critical, and empirical research methods pertinent to communication problems. Fundamental concepts of problem identification, sampling, surveys, historical sources, critical models, reliability and validity of both measurement and research design in communication research.

### **MAC 308 Photojournalism**

*Credit Hours: 3*  
*Prerequisite: MMC 203*

This course presents a study of basic photographic technique from a practical and artistic point of view. Students will have the opportunity to develop aesthetic and compositional skills while building a portfolio of significant images. A 35mm camera with adjustable controls or a digital camera is required.

### **MAC 310 Mass Media Ethics and Responsibilities**

*Credit Hour: 3*  
*Co-requisites: MAC 201*

This course is to assist students in thinking through complex ethical challenges they might face in communication and media career. It attempts to answer the complicated question of right or wrong, ethical or not ethical that inevitably arise in media work places. It will illustrate many real life issues and matters related to ethics and social responsibility in media field as it depends heavily on discussing and evaluation some case studies.

### **MAC 317 Public Speaking**

*Credit Hour: 3*  
*Prerequisite: ENG 200*

This course will focus on oral communication standards, problems, and responsibilities in the business and organizational environment. Students will deliver speeches and participate in problem-solving from investigation and informative speaking to advocacy and debate strategies.

### **MAC 400 Current Media Issues in GCC**

*Credit Hour: 3*  
*Prerequisite: MAC 300*

Intensive study of one or more area of theory and research in mass communication related to current media issues in the Gulf area chosen by the instructor. Content varies from semester to semester; may be repeated with different content.

### **MAC 404 Social Media Management**

*Credit Hours: 3*  
*Prerequisite: MMC 201*

This course will cover principles of media management including the elements of PR management, broadcast management, newspapers management, defining and choosing goals and objectives, and budgeting and decision making. It will also address

the management of media industry including media and consumers relations, employee and member relations, and community and government relations.

### **MAC 490 Senior Design Project (Capstone Course)**

*Credit Hour: 3*  
*Prerequisite: 100 Credit Hours*

This capstone course requires students to engage in a substantive endeavor directed at solving problems related to journalism, strategic communication and film studies. They are to create their own work/projects as collaborative work.

### **MAC 499 Internship**

*Credit Hour: 3*  
*Prerequisite: 80 Credit Hours*

Students will be assigned practical work and projects in advertising, journalism, multimedia, broadcasting, and public relations. The course will expose students to the actual work environments. Qualified students will work with their faculty mentor/ internship coordinator to plan for placement, timeline, activities, and procedures.

## **Major Electives**

### **MAC 202 Translation for Communication**

*Credit Hours: 3*  
*Prerequisite: ARL 100 (A/E)*

This course combines basic principles and hands-on application to help students to learn the basic approaches to translate different news types, Political, economic, sports... etc. It deals with reporting skills techniques along with translation. Therefore, the course is considered as a theoretical and practical guide for undergraduate students to translate any news type from Arabic to English or English to Arabic.



### **MAC 206 Introduction to Journalism**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This course provide the students with the fundamentals of gathering, evaluating, writing, and editing news for a variety of media platforms, including job responsibilities, completion, and outlook.

### **MAC 316 Communication and Diplomacy**

*Credit Hours: 3*

*Prerequisites: MMC 201*

The course brings together advanced skills in communication with in-depth knowledge of international relations to prepare students to meet the challenges of corporate and public communication in an increasingly complex global environment.

### **MAC 402 Media Criticism**

*Credit Hours: 3*

*Prerequisites: MAC 310*

Evaluation of radio/television programming content from the perspective of the journalistic and academic critic. Examination of theoretical issues and production elements as they affect programming genre.

### **MAC 403 International Communication**

*Credit Hours: 3*

*Prerequisite: MAC 201*

Introduction to the historical development of international communication for trade and diplomacy to the globalization of media markets and media models in news and entertainment. Modernization, developmental, dependency, hegemony, free flow of information, political economy, and other historical, administrative and critical perspectives will also be discussed. Contemporary international media practices, including foreign direct investment cultural hybridity and contra flow.

### **MAC 412 Media Management**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This course will cover principles of media management including the elements of PR management, broadcast management, news papers management, defining and choosing goals and objectives, and budgeting and decision making. It will also address the management of media industry including media and consumers relations, employee and member relations, and community and government relations.

### **ITA 101 Introduction to Italian**

*Credit Hours: 3*

*Prerequisite: None*

This course introduces students to the basics of Italian language. It covers basic Italian language skills for everyday life: speaking, listening, reading, writing, grammar and vocabulary.

### **FRE 101 Introduction to French**

*Credit Hours: 3*

*Prerequisite: None*

This course introduces students to the basics of French language. It covers basic French language skills for everyday life: speaking, listening, reading, writing, grammar and vocabulary. The main topics of study are school, family and friends, travel, food, house, vacations, occasions, and topics pertaining to French culture.

## **Degree Concentrations**

### **Broadcast Journalism Core Requirements**

#### **MAC 305 TV News Shooting and Production**

*Credit Hours: 3*

*Prerequisites: MMC 203*

It introduces students to basic

principles of producing, directing, and shooting TV news reports and casts. It explores creative treatment of visual, artistic, and nonverbal elements of communication in television.

#### **MAC 307 TV News Editing**

*Credit Hours: 3*

*Prerequisite: MMC 203*

It is a study of, and practice in, the fundamentals of editing news stories for electronic media. Student will shoot, write and edit various TV news reports throughout the semester.

#### **MAC 409 Advanced Multi Media Journalism**

*Credit Hour: 3*

*Co-requisites: MAC 410*

Visual Language is universal. This course will allow students to define visual language through investigating various visual mediums such as still images, film and television. Art elements of color, texture, space, composition, and design will be addressed. Various symbols and visual cues used to communicate messages will also be discussed.

#### **MAC 311 Broadcast News Reporting**

*Credit Hours: 3*

*Prerequisites: MMC 312*

This is an intensive writing TV news course. Students will learn writing voice over using short, meaningful sentences that are easily understood. The course goes over how to conduct interviews and how to use and edit footages and sound. Choosing the perfect sound bite and writing stand uppers are also practice. It also explores factors that affect news reporting and presentation, ethical issues related to news reporting, and news values. Students learn interviewing skills, and how to write various types of news stories.

#### **MAC 312 Broadcast News Writing**

*Credit Hour: 3*

*Co-requisites: MMC 203*

It is concerned with gathering



news for television. Instruction will emphasize on shooting and editing videotape; writing to picture; and writing, producing, and anchoring news programs. It is intensive writing class in which students practice writing news in both languages (English and Arabic).

### **MAC 318 TV News Programming**

*Credit Hours: 3*

*Prerequisite: MMC 201 + MAC 305*

In this course students will utilize a variety of sources, to read, write, discuss, and learn about news writing, broadcast writing, online publishing, and citizen journalism. The characteristics that distinguish print from broadcast and online stories from their print and broadcast counterparts will be discussed. Students will actively participate in writing for various platforms and creating a blog for sharing news and information. Students will participate in producing information programs, live on-location events, documentaries, and public service announcements.) Students learn how to research a story and tell it objectively.

### **MAC 410 Web Publications and Design**

*Credit Hour: 3*

*Co-requisites: ITD 100*

Web and publication design introduces students to basic methods for the creation and design of websites, brochures, and publicity materials, using contemporary software, including Dreamweaver, Flash, and other applications for animation and interactivity. Students will learn the basic techniques, tools and processes used to construct well-designed informational material, and effective web sites.

### **Strategic Communication Core Requirements**

#### **MAC 301 PR Protocol and Etiquette**

*Credit Hour: 3*

*Prerequisite: MMC 201*

In the global marketplace, knowing

how to receive, interact with, and entertain local, international guests and business associates are critical success factors. This course is a guide for conducting business relationships today, get up-to-date on what to say, what to write, how to eat, how to set up a table and how to communicate in the social world. This course also shows how to understand the local and international protocol, etiquette and respect cultural differences. Mistakes in protocol and etiquette can even ruin many situations or business. As a future public relations practitioners, students will need to practice effective communication strategies that are highly impressive. This includes written and verbal communication as well as body language, reactions, choice of words, reasoning and everything else. While media and PR skills are growingly required for any established organization, students also need to prepare themselves to excel in relevant skills.

#### **MAC 303 Organizational Communication**

*Credit Hour: 3*

*Prerequisite: ENG 200*

This skills course requires students to write and evaluate both brief and more developed narrative and descriptive essays, either personal or imaginative.

Students will write and revise narratives and descriptions, based on their own experiences and on the imagination, in order to develop greater comfort and fluency in English expression, a larger vocabulary, and a better sense of audience.

#### **MAC 313 Principles of Strategic Public Relations**

*Credit Hour: 3*

*Prerequisite: ENG 200*

It emphasis on learning basic information about the history and practice of strategic communication. Focus on the history, ethics, practice contexts and professional opportunities and challenges of the field. It

focuses on gaining a comprehensive understanding of the theories, strategies and practices in developing a strategic communication plan. Emphasis is placed on researching the product/service, its relationship to a specific target audience and working in a team environment.

#### **MAC 314 Communication Strategy in Advertising**

*Credit Hours: 3*

*Prerequisites: ITD 100*

Writing-intensive course providing the opportunity to apply the theories and principles of strategic communication and to practice their strategic and tactical planning skills in a teamwork environment. Emphasis is placed on the creative process, visual communication and the importance of research. Students work with real clients in a classroom.

#### **MAC 315 Writing for PR**

*Credit Hours: 3*

*Prerequisites: MMC 203*

This course covers the basics of public relations writing, persuasive writing, writing news releases for print-media, news releases for TV and Radio, writing photo captions, speeches, and annual reports. The course also focuses on the importance of good grammar, syntax, spelling and punctuation. It applies new technologies in PR writing. Information on developing websites, how to find web-site host, how to write for the internet and other related topics.

#### **MAC 407 Integrated Communication Campaign**

*Credit Hours: 3*

*Prerequisites: MAC 314*

Emphasize the preparation of complete advertising and public relations campaigns for business or non-profit organizations. Students will be able to integrate marketing, media research, and market segmentation, and promotion into their projects. A well-defined, planned, creative, and campaign will be presented toward the end of the term.





### MAC 411 PR Case Studies

*Credit Hours: 3*

*Prerequisites: MAC 313*

In the course, students will apply advertising, communication and public relations theories to a wide range of real-life situations. Students will be required to investigate, analyze, and integrated communication, public relations and advertising models learned in the public relations and advertising principles courses to a number of actual case studies and problems.

## Bachelor of Arts in Persian

### University Requirements

### 100 ج ل Communication Skills in Arabic 1

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course focuses on the main language skills in Arabic (Reading, Writing, Listening and Speaking).

Reading: comprehending, analyzing, and appreciating the text content, in addition to understanding its linguistic structure.

Writing: skills of process writing and spell-checking a paragraph, essay, and business letter.

Listening: comprehending, analyzing, and commenting on recorded texts.

Speaking: expressing ideas and opinions in correct and meaningful language.

The course helps the learner to acquire the targeted skills through approaching a variety of texts, model samples, and practical exercises.

### 105 ج ل Communication Skills in Arabic 2

*Credit Hour: 3*

*Prerequisite: 100 ج ل*

This course informs the learners of the cognitive principles of the language structure that help them understand the Arabic language syntax (nominal sentence, verbal sentence and its complements, number rules, and the important methods). The course emphasizes on the training and practical aspect to ensure proper usage of the language. This course will enable students to read and write correctly as well as practicing correct speech. It also enables them to correct errors in writing, reading and speaking. It aims at enabling students in making good translation.

### 100 ج ل English language skills (1)

*Credit Hour: 3*

*Prerequisite: Pass the placement test*

The English Skills 1 course aims at developing the learners' performance in listening, speaking, reading, and writing skills in English, in addition to building up English vocabulary through participating in communicative activities and reading texts on a variety of topics.

### 105 ج ل English language skills (2)

*Credit Hour: 3*

*Prerequisite: 100 ج ل*

The English Skills 1 course aims at developing the learners' performance in listening, speaking, reading, and writing skills in English, as well as vocabulary building up through participation in communicative activities and reading texts on a variety of topics.

### 110 ج ل English language skills (3)

*Credit Hour: 3*

*Prerequisite: 105 ج ل*

The course of English language skills (3) is designed to improve student's skills in listening, speaking, reading and writing, as well as vocabulary

building through participation in the communication activities and reading a variety of topics.

### 100 ث س Islamic Culture

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces some issues related to the Islamic history and ideology, such as the loose ties between Muslims, whereas the unity of Muslims and well management of the potential disputes between them is a conclusive principle. Then it introduces the Muslim disputes on power (Imamah) explaining its reasons and motives and the different opinions that emerge about it in the early Islamic era. It also refers to the impact of Such disputes on the emerging of some Islamic sects and fractions, such as (Al Khawaredge) who were the first to disconnect from the Muslim body. The course focuses on how Al Khawaredge started their movement, principles, and their main fractions, especially the (Abadhiah). Then the course presents the Shiat sect and its fractions; such as the Ethnaashriah, with its principles and instructions; Al Zaidiah, with its disputes against Al Ethaashriah principles, and Al Ismailia, and how it is distinguished from Al Zaidiah and Al Ethnaashriah regarding principles and instructions.

### 100 م ج Introduction to Computer

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces the way of using the computer and its system programs and employing these systems and software in the scientific research, saving files, producing necessary database, and using the internet to learn the latest developments in science., this course includes related practical applications.

### 100 م ر Principles of Mathematics

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course begins by reviewing some mathematical concepts covered by



the learners over the secondary stage then it moves to covering topics such as limits, linear Algebra, laws of differentiation, matrices, and the mathematical operations how to use them in solving linear equations.

### 100 ط غ Natural Sciences

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces natural science principles that are necessary for us to understand the environmental and natural changes around us. It provides the learners with the basic principles of the natural sciences, including life, environmental, physical, and chemical sciences.

### 100 م خ Professional Ethics

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

Ethics course provides an overview of the basic principles of ethics, including ethical theories, normative and common ethical principles, and moral deviations, as well as key elements of the professional systems relevant to, ethics and rules of conduct for translators.

### 100 ن غ Psychology

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces the concept, importance, methods of research, and fields of psychology. It presents the biological factors of behavior (the historical roots of the biology of behavior, the central nervous system - such as the brain, spinal cord, brain function and its methods of study). It also introduces the processes of sensing, attention and perception. It explains the process of human development in terms of its manifestations, demands, laws, and theories of growth. It also studies the human memory and motivations. It also focuses on human intelligence, language, and thinking. The course gets through the human personality, emotions, and feelings.

### 100 م إ UAE and GCC society

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course aims to introduce students to the UAE society, in terms of historical, geographical, social, cultural, political, economic structures. It introduces the characteristics, aspects and the nature of the developments of these structures, and the impact of these developments on the present and future of the UAE society. It also seeks to inform the student on the essence of the identity of the UAE society, and the factors that formed the features of this identity, and ways to strengthen and maintain it. It introduces students to the nature of policies to achieve sustainable human development, and ways of identifying the emerging problems and the state policies and procedures to encounter them. It also presents the ties that bind the UAE society with his surroundings of Gulf, Arab and Islamic world. Thus contributing to developing the student's academic and practical competencies to enable him to interact with the local and international environment positively and consciously, thus enhancing his nationality sense and preserving his national identity and deepening of his roles and his social responsibilities toward himself, his family and his community.

### 100 ع خ General Statistics

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces the basic concepts of statistics and how to display and file statistical data and how to use statistical methods in policy analysis and decision-making.

### 100 م د ج University Study Skills

*Credit Hour: 3*

*Prerequisite: Non*

This course focuses on one of the most important study skills at the university level: the skill of conducting research, where the course introduces methods of scientific research (descriptive analytical method, the comparative method,

historical method, the experimental method), the types of sources and references, and procedures of the research: determining the point of research, preparation of Research plan, quotation and documentation, introduction to the research and its conclusion, and the characteristics of scientific writing. This will provide students with research skills through models, applications and training, as well as through visiting libraries to identify the contents and system of classification and indexing, and access to sources and references to perform a variety of research activities from quotation and documentation... Etc.

## Compulsory Courses

### 200 ق ل ف Persian grammar

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course introduces the basic grammar of Persian starting from word level and ending with compound sentences. This course focuses on practice and training to ensure correct the usage of language.

### 200 ت ا ج Iran's history and civilization

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

Learners study the Iranian history throughout the ages in the light of modern historical approach. The study includes the Mythological era, the Acamynian era, the Sassanid era, the Islamic conquest, the multi-governorates period, the Mongolian era, the Safawi era, the Gajari era, and finally the Pahlavi state

### 200 م إ Iranian society

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

The learners study the structure of the Iranian society and its demographic structure; social classes,



ethnic and religious minorities. They also study the human activities, the factors controlling and directing the Iranian society, its customs and traditions, and its transformations at present and in the future.

### 200 Listening and Speaking 1

*Credit Hours: 3*  
*Prerequisite: 200 ق ل ف*

This course is the first in a series of courses consists of four parts. It provides students with listening and speaking skills. It exposes students to native Persian language adequately and encourages them to make conversations in Persian.

### 210 Listening and Speaking 2

*Credit Hours: 3*  
*Prerequisite: 210 س م*

This course is the second of four courses designed for Listening and Speaking skills. This course seeks to train student to listen to the Persian language, and to speak correctly by listening to the native speakers. Students are trained to speak and make conversations.

### 220 Lexicography and semantics in Persian

*Credit Hours: 3*  
*Prerequisite: 200 ق ل ف*

This course completes the study of Persian Grammar and linking it with its original sources. It also introduces a study of the Persian dictionaries as related to the language grammar.

### 220 Discourse Analysis

*Credit Hours: 3*  
*Prerequisite: 105 ل غ*

This course introduces the principles of discourse analysis and the textual linguistics: the concept of discourse and text, types of discourse and texts, discourse and texts contextualizing, coherence and cohesion and tools for each. All this will help students to have deeper awareness of analyzing the different patterns of discourse and its linguistic dimensions, and making use of all this in the process of translation.

### 220 Linguistic analysis

*Credit Hours: 3*  
*Prerequisite: 210 م د*

This course has integrative relation the Persian grammar and is considered an advanced study of the language and benefiting scientifically from the knowledge of its structure. It also benefits from the analytic scientific method in analyzing the linguistic combinations which helps understand these combinations and determining its nearest meaning and connotation.

### 220 The Persian Language culture

*Credit Hours: 3*  
*Prerequisite: 210 م د*

This course introduces the various aspects of culture that help the learners to understand the nature of the Persian language and the personality of those who speak it. It focuses on the cultural aspects that are directly related to the language including the language theory, its native speaker's attitude towards it, as the pool where its speakers pour their experiences in.

### 220 Listening and Speaking 3

*Credit Hours: 3*  
*Prerequisite: 210 س م*

This course is the third one on listening and speaking, where the student is trained to listen to the Persian language, and to speak correctly by listening to the native speakers. Students are trained to speak and make conversations.

### 220 Modern Persian Styles 1

*Credit Hours: 3*  
*Prerequisite: 210 س م*

This course is the first of three courses, where it teaches students the methods used in the contemporary Persian language, either classical or vernacular at various cultural, social and professional levels. In this course, students will focus on how to deal with the different Persian styles, ranging from introduction, understanding and adaptation to deal with the Iranian people.

### 220 Introduction to Translation

*Credit Hour: 3*  
*Prerequisite: 210 م د*

This course Introduces students to the importance of translation tools and fields, and its role in the communication of knowledge and civilization. It also teaches them the qualities of good translator and translation and trains them on how to understand and translate different levels of the Persian-written texts into Arabic and have practice in translating Arabic texts into Persian.

### 300 Contrastive linguistics

*Credit Hour: 3*  
*Prerequisite: 200 ق ل ف, 105 ل غ*

This course introduces the definition of Contrastive linguistics in terms of origination, research and importance, and how the learners can take advantage of the research terms in contrastive linguistics in understanding the levels studying the language, including the morphological, syntactic, phonetic, semantic, and contextual levels. It also trains the student to apply the approach to contrastive analysis on Arabic and Persian language on various levels. And train the student on how to translate texts written in Arabic to the Persian language.

### 300 Modern Persian Styles 2

*Credit Hours: 3*  
*Prerequisite: 220 س ف ح*

This course is the second on the modern and contemporary methods of Persian, to teach the student a new aspect of the methods used in the contemporary Persian language, either classical or vernacular at various cultural, social and professional levels. It aims at gradually deepening student's dealings with the Iranian public, understanding and talking.

### 310 Translation of social and economic texts

*Credit Hours: 3*



Prerequisite: 220 م + 300 غ ق

This course trains the student to translate Persian texts in the social and economics areas, and through the writings of the Iranians themselves, into Arabic, and then teach the student how to translate such texts from Arabic into the Persian language.

### 310 Translation of military and strategic texts

Credit Hours: 3

Prerequisite: 220 م + 300 غ ق

This course trains student to translate Persian texts in the strategic and military areas, and through the writings of the Iranians themselves into Arabic, and then teach the student how to translate such texts.

### 310 Persian Poetry

Credit Hours: 3

Prerequisite: 210 م + 200 ق ل

Introduces students to the Persian poetry in different eras, the most important poets, and various schools, with a focus on contemporary poetry: its analysis, criticism, and taste.

### 310 Story and Theater in Persian literature

Credit Hours: 3

Prerequisite: 220 م + 200 ق ل

This course introduces the art of the prose of Persian story and drama, etc., in different eras, the most important writers, and their various schools, with a focus on contemporary literature: its analysis, criticism and taste.

### 310 Modern Persian Styles 3

Credit Hours: 3

Prerequisite: 300 م

This course is the third to teach students the modern and contemporary methods of Persian, and to deepen his understanding of the methods used in modern Persian language, either classical or vernacular at various cultural, social and professional levels.

### 400 Persian texts on the political system in Iran

Credit Hours: 3

Prerequisite: 220 م

This course introduces the nature of the political system in Iran, and how the system of the Islamic Republic in Iran has been established, and to study its components and its objectives and its institutions, and extrapolate its future developments.

### 320 Persian texts in the political thought of Iran

Credit Hours: 3

Prerequisite: 220 م

This course introduces modern and contemporary political thought in Iran, starting from the Enlightenment, through the ideology of parties and political and religious groups in the parliamentary revolution, and then in the era of the Pahlavi, and ending by the political thought at the stage of the revolution against the Pahlavi regime, which makes the basis of the objectives of the Islamic Revolution, and to study its components and dimensions, and how to apply it in Iran, and what it comes for.

### 400 Comparative literature

Credit Hour: 3

Prerequisite: 310 م , 310 ق

This course introduces the student to the concept and the nature and methods of comparative literature and its importance in the humanities in general. It also aims at informing the learners of the theories that control the Arabic-Persian literary relationship and how to make use of the comparative literature methodology in the oriental studies and in the Arab-Persian relationship literature. This course, also, enables the learners to employ the contrastive literature methodology in studying the Arabic and Persian literature in order to compare the Persian and Arabic literary works in various linguistic, literary, cultural, social, economic and political areas over the ages, with special emphasis on contemporary areas and to

extrapolate the future relationship in the light of these comparisons.

### 400 Translation of audio texts

Credit Hours: 3

Prerequisite: 220 م + 220 م  
ع ق 300 +

Train the student to listen to the various levels and dialects of Persian language, and through the voices of Iranians themselves, and then teach the student how to copy audio material in writing, and then translate it orally and in writing.

### 400 Simultaneous interpretation

Credit Hours: 3

Prerequisite: 400 م

This decision to enable the student to translate into Arabic for someone who speaks the Persian language, paragraph by paragraph, of his talk or speech; a fluent translation which is clear and well expressed.

### 400 Spontaneous interpretation

Credit Hours: 3

Prerequisite: 400 م

This course is to enable the student to translate into Arabic for someone who speaks the Persian language; a direct translation, without stopping, for his talk or speech, and a fluent translation which is clear and well expressed.

### 400 Translation and analysis of Persian political discourse

Credit Hours: 3

Prerequisite: 220 م + 400 م  
ن 310 م + 310 م

The course trains the student to translate the texts and documents related to Iranian policy internally, regionally and globally, both in the media of various kinds, or other, and analyze their content and extrapolation of trends, in order to determine the nature and quality and the goals of political discourse in Iran.



### 400 Translation and analysis of Persian media discourse

Credit Hours: 3

Prerequisite: 220 + تلخ + تن ع 310  
تن م 400 + تن ج 310 + تن ع 310

This course trains student to translate various types of media texts related to media discourse, and to analyze their content according to their nature and orientations, in order to determine the nature, quality and the objectives of the media discourse in Iran.

### 400 Graduation Project

Credit Hours: 3

Prerequisite: 108 hours accredited

This course is concerned with the implementation of scientific research methodology by application on some of the subjects of specialization, where each student chooses a topic for research under the supervision of the instructor who teaches the course.

## Elective Courses

### 200 Arab-Iranian relations

Credit Hours: 3

Prerequisite: No Prerequisite

This course introduces the history of Arab-Iranian relations over the ages, with a focus on modern relations, and extrapolating the future of these relations. Taking into account that: the Islamic Republic of Iran is a natural neighbor with which the Arabs have many ties, as well as the circumstances created by the new Middle-Eastern project and its dimensions, and the expected role of Iran, together with the presence of expansive trends of Iran as a result of the goals set by the Islamic Revolution of Iran, and extrapolation of future developments.

### 400 Persian Documents on foreign policy of Iran

Credit Hours: 3

Prerequisite: 400 ن ف س

This course deals with the foreign policy of Islamic Republic of Iran, its foundations and goals, its elements and mechanisms and its movement and legibility, as well as the extrapolation of its future directions.

### 400 Persian Documents on foreign Principles of al-Faqih political mandate

Credit Hours: 3

Prerequisite: 400 ن ف س

This course introduces the concept of Islamic Politics of Iran's political system as the basis of the Islamic Republic, study of its components and dimensions, and how to apply it in Iran, and extrapolate its future developments.

### 210 Arabic Rhetoric

Credit Hours: 3

Prerequisite: 100 ل غ

This course provides knowledge bases to language techniques and Oratory (simile, metaphor, allegory, metaphor, imagery, and euphonies). This Course pays special attention to the application and training; with a focus on providing the students with the skill of rhetorical analysis, and a view to the semantic and aesthetic peculiarity in the translation of Arabic literary expressions into a foreign language.

### 220 Modern Arabic Poetry

Credit Hours: 3

Prerequisite: 210 ع ب

This course introduces the modern Arabic poetry to comprehend the beginnings of the Renaissance, schools and trends of poetry in their historical development (Revival school, Al Diwan group, the Diaspora Poetry, Apollo group, free verse), and it introduces the major objective and aesthetic characteristics for each school, and models of trends in interpretation and analysis.

### 220 Literary Criticism

Credit Hours: 3

Prerequisite: 210 ع ب

This course introduces some of the most critical issues in literary criticism of the ancient Arabs, associated with their trends and effects. The course then presents the most prominent schools and trends in modern criticism; student to stand on their foundations and manifestations in criticism of literature and discourse.

## Bachelor of Science in Environmental Health and Safety

### College Requirements

#### ASC 301 Research Report Writing

Credit Hours: 3

Prerequisite: STT 100

The product of this course is a research paper that incorporates ideas and information into an argument developed and focused by the student. Class work supports the process of researching and writing the research paper by exercising a broad range of skills.

### Major Requirements

#### BIO 205 General Biology I

Credit Hours: 3

Pre or Co-requisites: (Co) ENG 100/ENG 200 + (Co) UNS 102

This course introduces the principles and concepts of biology with the emphasis on the cell and its metabolic activity, genetics and inheritance in





living organism.

### **BIO 205 L General Biology Laboratory I**

*Credit Hours: 1*

*Pre or Co-requisites: BIO 205*

This course introduces the principles and concepts of biology with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course BIO 205.

### **CHE 205 General Chemistry I**

*Credit Hours: 3*

*Pre or Co-requisites: Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course introduces the principles and concepts of chemistry with emphasis on atoms, molecules, nomenclature, bonding, stoichiometry, electronic structure and molecular structures. This course contains a laboratory component to reinforce the chemical concepts.

### **CHE 205 L General Chemistry Laboratory I**

*Credit Hours: 1*

*Pre or Co-requisites: CHE 205*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205.

### **EHS 205 Introduction to Environmental Health**

*Credit Hours: 3*

*Pre or Co-requisites: Co) ENG 100 /ENG 200 + ( Co) UNS 102*

This course introduces students to the fundamentals of environmental

health and safety. It touches upon the broad disciplines of toxicology, epidemiology and public health. Additionally, this course introduces students to the most pressing environmental health issues commonly encountered, including air pollution, access to fresh water, and waste management. It also briefly touches upon risk management strategies intended to minimize and/or prevent environmental health risks.

### **EHS 300 Housing and Sustainable Communities**

*Credit Hours: 3*

*Pre or Co-requisites: ENS 205*

This course introduces students to the theory and practice of developing sustainable communities, including elements such as housing, transportation systems, landscape design, community services, and resource conservation. Included also is the study of the economic and social impacts of sustainability initiatives and the investigation of sustainable community case studies.

### **HSC 305 Occupational Health and Safety**

*Credit Hours: 3*

*Pre or Co-requisites: EHS 205*

This course begins with a history of occupational health and progresses towards the theory and application of management practices designed to identify and minimize work-place related risks, injuries, and illnesses. It includes a discussion of the practical applications of ergonomics, schedule-management for employee health, and ethical issues related to employees' rights to health and safety in the workplace.

### **EHS 310 Food Safety & Management**

*Credit Hours: 3*

*Pre or Co-requisites: EHS 205 + ENS 205*

This course introduces students to the fundamentals of food management, including its production, handling, and storage, contamination avoidance,

and associated sanitation procedures. It will give students a solid foundation in the science of food safety, covering additional topics in quality assurance and control.

### **HSC 315 Global Issues in Environmental Health**

*Credit hours: 3*

*Pre or Co-requisites: HSC 201 + ENS 205*

This course is an introduction to the global applications of environmental health and safety theory. It covers a wide range of globally-relevant environmental health issues, including access to water, clean air, and energy. It also covers the globally-relevant theoretical issues of environmental health ethics and environmental justice. Through the analysis of theory and practice, this course looks at the global impacts of environmental health and safety particularly in crisis situations, whether these are man-made crises (pollution of food & water sources) or natural disasters.

### **EHS 399 Internship**

*Credit Hours: 3*

*Prerequisite: 90 Credit Hours*

An internship will give the students the opportunity to participate in real life health issues. This course will focus on application of research methodology to problems in public health and review of research and original writings related to public health. Supervised field experience providing an opportunity to apply health skills in community health settings. Locations may include government agencies, hospitals, professional associations, voluntary health agencies, businesses, industries, and international agencies. Research topic may focus on special areas such as infectious or chronic disease prevention, substance abuse, family planning, and food, environment, and health systems.

### **EHS 400 Toxicology**

*Credit Hours: 3*

*Prerequisite: ENS 205*



This course introduces students to the toxic effects of hazardous chemicals and biological poisons. It discusses the roles of the immune, nervous, and organ systems in the presence of toxicants. Also included in the course is a discussion of testing procedures and their relevance to assessing risks associated with toxicants.

### **EHS 405 Waste Management**

*Credit Hours: 3*  
*Pre or Co-requisites: ENS 205*

This course introduces students to the fundamentals of waste management, primarily in urban and industrial settings. It includes an analysis of problems and solutions for economic and environmental issues associated with landfills, including methods for the diversion of waste (resource recovery) and the creation of energy from waste.

### **EHS 410 Impact Assessment**

*Credit Hours: 3*  
*Pre or Co-requisites: ENS 205*

This course instructs students in the fundamentals of Environmental Impact Assessments (EIA) and their role in minimizing harm to the natural environment and minimizing negative social and cultural impacts during the process of industrial or urban development. Included in the curriculum is a discussion of EIA strategies, effectiveness, regulations, and economic viability.

### **EHS 415 Environmental Health Regulation & Compliance**

*Credit hours: 3*  
*Pre or Co-requisites: EHS 205 + ENS 205*

This course explores the way that environmental health risks are controlled in the United Arab Emirates – looking at the way that various government programs are established, organized and operated to prevent or control hazards in the community. Special attention will be paid to the impact of such organizational concerns as working with communities in developing and implementing policy, how environmental health problems and threats are assessed and communicated, the

legal basis and actions for assuring appropriate protections, and the trends and rationale for organizing and planning environmental health programs and activities.

### **EHS 420 Hazardous Materials**

*Credit hours: 3*  
*Pre or Co-requisites: EHS 205*

This course is designed to equip students with the knowledge to recognize and safely handle hazardous substances, whether in controlled (laboratory) settings, or as the result of an accident or unforeseen incident. It includes a discussion of hazardous materials commonly found in industrial, medical, and common urban settings. Through an in-depth discussion of risk management and planning, students will learn to critically analyze and develop procedures to minimize health risks associated with exposure to hazardous materials.

### **EHS 425 Pollution Monitoring and Control**

*Credit Hours: 3*  
*Pre or Co-requisites: EHS 405 + ENS 205*

This course instructs students in the theory and practice of pollution monitoring and control. It includes instruction of the fundamentals of establishing environmental baseline data, the ongoing collection of data, monitoring, interpretation, and formal reporting of data. Four areas of pollution monitoring are covered: air, water, soil and noise.

### **EHS 425L Pollution Monitoring and Control (+lab)**

*Credit Hours: 1*  
*Pre or Co-requisites: ENS 205 + CHE201L*

This course introduces the principles and concepts of subject with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate

the principles and concepts for the course Pollution Monitoring & Control.

### **EHS 430 Health Risk Management**

*Credit hours: 3*  
*Pre or Co-requisites: EHS 205 + ENS 205*

This course introduces students to the principles of health risk management. It includes the critical analysis of the scope of manageable health risks, the legal implications of health risks, and the effective minimization and/or avoidance of health risks through prevention programs and communication strategies.

### **ENS 205 Introduction to Environmental Science**

*Credit Hours: 3*  
*Prerequisite: ( Co) ENG 100 /ENG 200 + ( Co) UNS 102*

This course introduces students to the principles of Environmental Science. It presents the different ecosystems, the biogeochemical cycles of some elements like oxygen, carbon, and nitrogen, and discusses water and air pollution as well as methods of getting rid of hazardous wastes.

### **ENS 210 Natural Resource Conservation**

*Credit Hours: 3*  
*Prerequisite: ENS 205*

This course will introduce the students to the world's resources. Resource sources, usage, limitations and effects on humans will be covered. Conservation methods and strategies will be explored.

### **ENS 220 Introduction to Environmental Policy**

*Credit Hours: 3*  
*Prerequisite: ENS 205*

This course introduces students to the principles of environmental law and policy on a national and international scale. It has a particular focus on the evolution of natural resource and environmental policy in the UAE.



### **EHS 499 Undergraduate Research**

*Credit Hours: 4*

*Prerequisite: ENS 205 + EHS 205 + 60 Chrs*

This undergraduate research course will give the students the opportunity to participate in real life environmental issues. The students may participate in basic science, applications, policy or field studies.

### **HSC 200 Introduction to Health Management**

*Credit Hours: 3*

*Prerequisites: ENG 200 + UNS 102*

This course introduces the bases of the Health Care management and the use of practical skills in the praxis.

### **HSC 205 Biostatistics**

*Credit Hours: 3*

*Prerequisite: STT 100*

This course introduces the fundamental principles and practices of statistics. Students will explore basic statistical concepts and methods, experience the art of statistical inference, examine the application of statistical techniques in public health, and critique statistical aspects of scientific reports.

### **HSC 201 Determinants of Public Health**

*Credit Hours: 3*

*Prerequisite: ENG 200 + UNS 102*

This course introduces students to analysis of the biological determinants of public health issues, as a basis for understanding and addressing current and emerging public health issues. Using a case-study and problem-based learning approach, students develop and use knowledge of anatomy, physiology, biochemistry, microbiology and genetics within a public health application context.

### **HSC 210 Epidemiology and Population Health**

*Credit Hours: 3*

*Prerequisite: PBH 205 + HSC 205*

This course introduces students to the scientific discipline of Epidemiology. It covers definitions and concepts of epidemiology together with the principles and tools of epidemiology. Epidemiology is the fundamental tool of public health analysis and methods and measurements of epidemiology are essential components of this course.

## **Bachelor of Science in Public Health**

### **College Requirements**

#### **ASC 301 Research Report Writing**

*Credit Hours: 3*

*Prerequisite: STT 100*

This course prepares students to the product of this course is a research paper that incorporates other's ideas and information into an argument developed and focused by the student. Class work supports the process of researching and writing the research paper by exercising a broad range of skills.

### **Major Requirements**

#### **BIO 205 General Biology I**

*Credit Hours: 3*

*Pre or Co-requisites: (Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course introduces the principles and concepts of biology with the emphasis on the cell and its metabolic activity, genetics and inheritance in living organism.

#### **BIO 205 L General Biology Laboratory I**

*Credit Hours: 3*

*Pre or Co-requisites: BIO 205*

This course introduces the principles and concepts of biology with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course BIO 205.

#### **CHE 205 General Chemistry I**

*Credit Hours: 3*

*Pre or Co-requisites: (Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course introduces the principles and concepts of chemistry with emphasis on atoms, molecules, nomenclature, bonding, stoichiometry, electronic structure and molecular structures. This course contains a laboratory component to reinforce the chemical concepts.

#### **CHE 205 L General Chemistry Laboratory I**

*Credit Hours: 3*

*Pre or Co-requisites: CHE 205*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205.

#### **EHS 205 Introduction to Environmental Health & Safety**





*Credit Hours: 3*  
*Pre or Co-requisites: (Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course introduces students to the fundamentals of environmental health and safety. It covers the broad disciplines of toxicology, epidemiology and public health. Additionally, this course introduces students to the most pressing environmental health issues commonly encountered, including air pollution, access to fresh water, and waste management. It also briefly touches upon risk management strategies intended to minimize and/or prevent environmental health risks.

### **ENS 205 Introduction to Environmental Science**

*Credit Hours: 3*  
*Pre or Co-requisites: (Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course introduces students to the principles of Environmental Science. It presents the different ecosystems, the biogeochemical cycles of some elements like oxygen, carbon, and nitrogen, and discusses water and air pollution as well as methods of getting rid of hazardous wastes.

### **HSC 305 Occupational Health and Safety**

*Credit Hours: 3*  
*Prerequisite: EHS 205*

This course begins with a history of occupational health and progresses towards the theory and application of management practices designed to identify and minimize work-place-related risks, injuries, and illnesses. It includes a discussion of the practical applications of ergonomics, schedule-management for employee health, and ethical issues related to employees' rights to health and safety in the workplace.

### **PBH 101 Introduction to Public health**

*Credit Hours: 3*  
*Prerequisite: (Co) ENG 100 / ENG 200 + ( Co) UNS 102*

This course addresses a variety of themes in public health which serve

as a base for an introductory-level understanding of the field. This course emphasizes the diverse, multidisciplinary perspectives on public health.

### **HSC 210 Epidemiology & Population Health**

*Credit Hours: 3*  
*Prerequisite: HSC 205*

This course introduces the fundamental principles and practices of epidemiology in public health. Students will examine basic epidemiological concepts and methods, explore their application, perform elementary epidemiological reviews and critiques, and reflect in the role of epidemiology in public health.

### **HSC 205 Biostatistics**

*Credit Hours: 3*  
*Prerequisite: STT 100*

This course introduces the fundamental principles and practices of statistics. Students will explore basic statistical concepts and methods, experience the art of statistical inference, examine the application of statistical techniques in public health, and critique statistical aspects of scientific reports.

### **HSC 200 Introduction to Health Management**

*Credit Hours: 3*  
*Prerequisites: ENG 200 + UNS 102*

This course introduces the bases of the Health Care management and the use of practical skills in the praxis.

### **HSC 201 Determinants of Public Health**

*Credit Hours: 3*  
*Prerequisites: ENG 200 + UNS 102*

This course introduces students to analysis of the biological determinants of public health issues, as a basis for understanding and addressing current and emerging public health issues. Using a case-study and problem-based learning approach, students develop and use knowledge of anatomy, physiology, biochemistry,

microbiology and genetics within a public health application context.

### **HSC 215 Introduction to Health Management**

*Credit Hours: 3*  
*Prerequisite: PBH 101 or PBH 205*

This course introduces the bases of the Health Care management and the use of practical skills in the praxis.

### **PBH 110 Introduction to Happiness and Positive Psychology**

*Credit Hours: 3*  
*Prerequisite: (Co) ENG 100 / ENG 200 + ( Co) FWS100*

This course will focus on the core components of positive psychology and the science of happiness

including strengths of human nature and various ways to cultivate well being and make individuals

thrive and flourish. - By examining the latest evidenced based scientific research on happiness,

optimism, and psychological wellbeing. Topics will include; character strengths, optimism,

appreciation & gratitude, positive communication, positive relationships, self-compassion, kindness,

creativity, flow, motivation and goal setting - in short, becoming your best self.

### **PBH 300 Health Sociology**

*Credit Hours: 3*  
*Prerequisite: PBH 101*

Sociology for Population Health introduces students to the social sciences; both in terms of the theories social scientists use to explain society and the ways in which these theories construct our understanding of society and public health.

### **PBH 310 Principles of Health Promotion**

*Credit Hours: 3*



*Prerequisite: HSC 201*

Introduction to the health promotion profession, emphasizing current issues, professional preparation and employment, as well as the philosophy and foundations of professional practice in various settings.

### **PBH 410 Research Methods for Public Health**

*Credit Hours: 3*

*Prerequisite: ASC 301 (Co-requisite) + HSC 210 + HSC 205*

The course introduces the significance and use of research methods for Health Promotion and community engagement. It equips students with basic knowledge and skills for research design (eg participatory action research), data collection, data organization and analysis, documentation, and addressing qualitative research issues.

### **PBH 399 Public health Seminar**

*Credit Hours: 3*

*Prerequisite: ASC 301 + PBH 101*

Introduction to the scope of the health sciences, current issues, guest speakers and career opportunities. The students will have the opportunity to listen to faculty, fellow students and guest speakers describe topics of the environment. The students will also give a presentation during the class. The students will learn the methods of research, organization, preparation and presentation skills such as research skills, literature review findings, cite references in APA format. In addition, develop and conduct a presentation or communicate findings effectively.

### **PBH 320 Community and Public Health Nutrition**

*Credit Hours: 3*

*Prerequisite: HSC 201*

Introduction to the concepts, principles, and scope of practice of public health nutrition. The course emphasizes the distinction between population-based and individual-based approaches to prevention and alleviation of diet-

related conditions, and the societal, economic, environmental, and institutional barriers to improving the nutritional status and health of diverse population groups.

### **EHS 315 Global Issues in Environmental Health**

*Credit Hours: 3*

*Prerequisite: EHS 205 + HSC 201*

This course introduces the principal health problems of the world's populations, and the major challenges to improving health at a global level. It is an inter-disciplinary exploration of the factors that account for these health patterns, ranging from their physiological basis to their economic, social and political context.

### **PBH 420 Practice of Health Promotion**

*Credit Hours: 3*

*Prerequisite: PBH 310*

Health promotion methods, interventions, and strategies that influence behaviors and advance public health practices within communities.

### **PBH 400 Internship**

*Credit Hours: 3*

*Prerequisite: 90 Credit Hours*

Abu Dhabi based hospitals have been approached and agreement will be available at the time of internship.

### **PBH 499 Undergraduate Research**

*Credit Hours: 3*

*Prerequisite: PBH 410 + 60 Credit hours*

Undergraduate research course will give the students the opportunity to participate in real life health issues. The students may participate in basic science, applications, policy or training at local hospitals.

### **PBH 425 Maternal and Child Health**

*Credit Hours: 3*

*Prerequisite: HSC 201*

This course will emphasize critical health problems of women and children in social, economic, and cultural contexts. Practical

approaches to developing MCH programs shared via lecture/discussions, exercises, and small group work. Students acquire skills in baseline assessment, setting objectives, planning and evaluating interventions, and involving communities. The course provides an overview of the health problems of mothers and children and examines programmatic interventions, in primary health care, that respond to those problems.

### **PBH 405 Chronic and Infectious Diseases**

*Credit Hour: 3*

*Prerequisite: HSC 201*

Pathogenesis, epidemiology of major chronic diseases, health costs to society, at-risk populations, population based prevention, and related best-practice interventions. Human infectious disease risk factors; bacterial, viral, and parasitic agents; pathology, diagnosis, treatment, prevention, and control; communicable, vector-borne, zoonotic, and bioterror diseases of public health.



# College of Business

## College Requirements

### ACC 200 Principles of Financial Accounting

*Credit Hour: 3*

*Prerequisite: ENG 200 + ITD 100 + (MTG 100 or MTT 101 or MTT 102)*

Financial accounting and reporting are the primary medium by which organizations provide information to their external stakeholders (e.g., shareholders, creditors, governmental agencies, customers and alike). This course presents financial accounting as an essential part of the decision-making process by both the external users and the management. The course involves the study of foundations of accounting methods and systems, including transaction analysis, the accrual system of accounting, the process of income measurement, and understanding of financial statements. The focus in the course will be on users – and not the preparers -- of accounting information. This course assumes no prior accounting knowledge.

### ACC 201 Principles of Managerial Accounting

*Credit Hour: 3*

*Prerequisite: ACC 200*

Managerial accounting is seen as a way of providing information in the areas of costing, decision making, planning, and control. Managerial accounting is geared towards “insider users” and provides an in-depth study of accounting related topics such as: Basic cost concepts, cost classification, design and the principles of cost accounting systems, alternative costing methods, budgeting, cost allocation systems, planning and control, and costing for decision making (i.e., strategic cost analysis). This course is oriented

towards the concepts and techniques of accounting information system that are applicable to management of organizations (i.e., internal decision makers) resources effectively.

### BUS102 Introduction to Business

*Credit Hour: 3*

*Co requisite: ENG 200 + FWS 211*

This course is an introduction to business with the aim to give students a good understanding on the important role business organizations play in today's world. The emphasis is on understanding various business functions and activities and recognizing their significance in the successful operation of business organizations. The course also aims to provide students a good understanding on the role of technology in improving business functions. Furthermore, the course addresses various career opportunities in various functional areas of business management. The project in the course requires students to develop a business plan which will help the students to have hands-on experience in various functional areas of business management.

### BUS 204 Business Research Methods

*Credit Hour: 3*

*Prerequisite: STT 100 + BUS 102*

The purpose of the course is to enable students to acquire the skills necessary to undertake a business research project. The course focuses on the nature and scope of research in business, the nature of systematic research, the empirical and non-empirical approaches, the importance of literature review and the structure and management of a research project.

### BUS 301 Business Law

*Credit Hour: 3*

*Prerequisite: FWS 305*

This course addresses a wide range of legal topics that are essential to those wishing to work in the business profession. In particular, the course provides a general introduction to: the U.S. legal system; the elements of an enforceable contract; negotiable instruments; the legal aspects of the several types of business organizations; international E-commerce law, including U.A.E.'s E-commerce law; and the U.A.E. Labor Law.

### BUS 306 Applied Management Science

*Credit Hour: 3*

*Prerequisite: MGT 200/MGT 255 + STT 100 + ECO 201*

This course presents quantitative methods necessary for decision making in business. Topics covered are: an introduction to linear programming (formulation; graphical solution, computer software for optimization, optimal solution and sensitivity analysis), extensions to specialized linear programming models of assignment, transportation, transshipment, decision theory (decision tree, expected value and utility, value function), theory of waiting lines and their economic analysis, and an introduction to computer simulation. Computers will be used to obtain solutions for these problems. Formulation and analysis of business applications will be emphasized. By the end of the course, students will, hopefully, gain enough proficiency in building mathematical models for complex business-oriented problems and solve them using the techniques learnt in class.



## **ECO 201 Principles of Microeconomics**

*Credit Hour: 3*

*Prerequisite: ENG 200 + (MTG 100 or MTT 101 or MTT 102)*

Principles of Microeconomics are an introductory course in microeconomics theory and applications. The course is designed to introduce undergraduate students to the fundamental concepts and theories of microeconomics with the primary focus being the application of principles and practices of microeconomics to business, finance and managerial economics.

The first part of the course will involve discussing the problem of scarcity, demand, supply, equilibrium prices, and the use of prices as guide for production and consumption. Concepts including; marginal analysis, opportunity cost, production possibilities frontier and elasticity.

In the second part of the course, the discussion will center on consumer choice; the behavioral and firm's production decisions and on the short-run and long-run costs and output decisions. The theory of firm in perfect competition, monopolistic competition, monopoly, and oligopoly markets are fully examined in the third part. In each of these market models, equilibrium price, output and profits are reviewed.

Throughout the course, particular emphasis is placed on the use of microeconomic analysis to explain contemporary economic issues and subjects influencing individual, business and government decisions.

## **ECO 202 Principles of Macroeconomics**

*Credit Hours: 3*

*Prerequisites: ENG 200 + (MTG 100 or MTT 101 or MTT 102) + BUS 102*

Principles of is an introductory course to macroeconomic theory and applications. The objective of this course is to provide an introduction to theories

and methodologies of macroeconomics with the primary focus being the application of principles and practices of this field to business and managerial economics.

The first part of the course is centered on building and developing the foundations of economics, including the notion of scarcity, demand and supply, price setting and economic efficiency. The discussion will include the concepts of marginal analysis, opportunity cost, production possibilities frontier, and consumer and producer surplus.

The second part of the course is devoted to examining the national economy, economic fluctuations, inflation, unemployment, aggregate demand and supply, productivity and growth, and the impact of technology on the economy.

The final segment of the course involves discussing aggregate demand and supply, fiscal and monetary theories and policies.

Throughout the course, particular emphasis is placed on the use of macroeconomic analysis to explain contemporary economic issues and subjects influencing individual, business, and government decision making behaviors.

## **FIN 200 Principles of Finance**

*Credit Hour: 3*

*Prerequisite: ACC 200*

This course is an introduction to the principles, issues, and institutions of finance. Topics include valuation, risk, capital investment, financial structure, cost of capital, working capital management, financial markets, and securities.

## **MGT 255 Management and Organizational Behavior**

*Credit Hour: 3*

*Prerequisite: ENG 200 + FWS 211*

This course provides an understanding of the discipline of organizational behavior within a management perspective. OB is considered at an

individual, group and organization level. Job Attitude, perception, values and personality attributes are viewed from a management viewpoint with a consideration of motivation theories, decision making and the notion of ethics as applied to the workplace. Issues of trust, leadership and the conflict management process are reviewed.

Organizations are examined as hierarchies and matrix structures and the concept of organizational culture is reviewed in terms of its impact upon performance. OB and the contribution it has made to HRM is examined. The course concludes with a consideration of organizational change and how best to optimize the change process.

## **MGT 308 Operations Management**

*Credit Hours: 3*

*Prerequisites: MGT 200/MGT 255 + MIS 200 + Co-requisites of BUS 204/ BUS 200*

This course introduces the principles of Operations Management (OM) as they relate to both manufacturing and service operations. It assists students in integrating the other business specializations with the OM function. The course covers the nature and the dynamics of traditional and contemporary OM issues in today's business environment. Both qualitative and quantitative issues are addressed. The use of computers is emphasized as a vital tool in dealing with OM problems. Topics related to process decisions, facility decisions, planning and inventory decisions and daily operational decisions are covered.

## **MGT 402 International Business Management**

*Credit Hours: 3*

*Prerequisites: MGT 200/MGT 255 + ECO 202*

This course will provide an in-depth perspective of managing international business. Since business is becoming increasingly global, firms are requiring managers to understand and be able to resolve the challenges faced



in surviving and succeeding in this competitive environment. Greater internationalization requires firms to be more competitive, dynamic, and interdependent. Managers must understand the complexities of global economic, political, socio-cultural, and financial forces and recognize how they affect cultural diversity, handling the increased risk of international operations, and developing appropriate international strategies. The course focuses on building skills to better understand the nature and dynamics global trade.

### **MGT 406 Strategic Management**

*Credit Hour: 3*

*Prerequisite: Last semester*

There is no single, easy recipe (or even a single difficult one) that can ensure that an organization can get competitive advantage. The choices that managers face, and make, are heavily influenced by the business environment, but also by their organization's own history. That environment, and that history, shape how organizations function, their operational routines, their cultures, and the way their managers think. So, even organizations in the same country and the same industry may have very different views of the world, use different methods to do the same thing, conjure up different images in the minds of their customers and thus have different – but equally valid – strategies.

This subject provides a study of the framework of strategic management and how it applies to organizations today. The course deals with strategy formulation at the functional, business, global and corporate levels and also focuses on strategy implementation with particular reference to environmental issues. It deals with real life strategic situations and decision-making aimed at ensuring that companies attain a sustained competitive advantage. The study of strategic management introduces students to a variety of

theoretical concepts, each of which throws some light on how and why organizations function and succeed (or, sometimes, fail). On a practical note, it also gives a set of analytical tools and frameworks which you can use to make sense of an organization and its business environment, and to critique its strategy and appraise its chances of future success. It is important to mention that the course gives full attention to sustainability and environmental protection. Environmental issues are pressuring senior executives across many industries to rethink their businesses. Since the 1990s, increased interest in environmental sustainability, triggered by numerous ecological crises and stricter environmental regulations, is forcing companies to view corporate sustainability as a strategic issue. Sustainable strategic management involves analyzing, formulating, and implementing business strategies that are economically competitive, socially responsible, and in balance with the cycles of nature. Sustainable strategic portfolios allow organizations to create competitive advantages by serving as agents of social change and ecological protection.

This subject provides a study of the framework of strategic management and how it applies to organizations today. The course deals with strategy formulation at the functional, business, global and corporate levels and also focuses on strategy implementation with particular reference to business ethics. It deals with real life strategic situations and decision-making aimed at ensuring that companies attain a sustained competitive advantage.

### **MIS 200 Introduction to Management Information Systems**

*Credit Hour: 3*

*Prerequisite: ITD 100 + ENG 200*

This course focuses on the fundamental issues in using information technologies to manage

and organize business processes. The premise of the course is that compared to traditional firms, digital firms rely heavily on a set of information technologies to organize and manage. Managers of digital firms need to identify the challenges facing their firms, discover the technologies that will help them meet these challenges, design business processes to take advantage of the technology and create management procedures and policies to implement the required changes. Topics include the role of information technology in business, IT infrastructure, enterprise applications, e-business and e-commerce. Please note that as an introduction course to the field of management information systems (MIS), this course provides an overview of a wide range of topics in MIS. For each topic discussed in this course, there will be more advanced courses for in-depth discussion.

### **MKT 200 Principles of Marketing**

*Credit Hour: 3*

*Prerequisite: ENG 200*

This course is designed to introduce students to the fundamental concepts of marketing and how they are currently applied in the marketplace. It should provide a stimulating environment for each participant in which he/she can explore the central tasks of marketing and build on previous experiences. The module enables participants to gain familiarity with the tools/processes currently used by practicing marketing professionals in analyzing market opportunities, and to apply these in different contexts.



# Bachelor of Business Administration

## Major Requirements

### FIN 301 Managerial Finance

*Credit Hours: 3*

*Prerequisites: FIN 200 + ECO 201*

This course will focus on a study of the techniques used by the financial manager in planning and controlling the acquisition and use of funds to maximize the value of the firm. Topics covered will include cash budgeting, ratio analysis, capital budgeting, forecasting techniques, project evaluation, financial leverage, risk and the cost and the cost of capital.

### HRM 313 Human Resources Management

*Credit hours: 3*

*Prerequisites: MGT255*

*Co-requisites: MGT 301*

This course provides students with an understanding of the many different perspectives that are needed to make HR management decisions.

No longer can we rely upon a single vision and culture of an organization when we consider human resource issues. The student is presented with a view of organizations as fragmented, individual focused, with decentralized power and responsibility which contributes to a more flexible yet more complex whole. The course considers HRM as a key to organizational change and presents the student with a range of effective HRM practices that derive from the organization strategic plans so that as managers they can operate with flexibility and opportunity to initiate and sustain change using the people of the organization as change agents.

The course examines the development of HRM as a discipline and from a theoretical basis. The constituent parts of HRM are covered including a strategic overview, HR ethical, legal and social considerations, staffing, human resource development, compensation and benefits, safety and health, employee labour relations, global considerations for HRM.

### MKT 301 Consumer Behavior

*Credit hours: 3*

*Prerequisites: MKT 200 + FWS 305*

This course will explore the nature of consumer behavior that helps in comprehend different factors influencing consumer decision making, and marketing strategy. Attention will be given to study and analyze external influences (culture, subculture, cross cultural variations in consumer behavior, group influence, families and households, and social class), internal influences (perception, learning, memory, product positioning, motivation, personality, emotions, attitudes, and self-concept and lifestyle), consume decision process and other marketing stimuli affects consumer purchasing behavior.

### MGT 411 Project Management

*Credit hours: 3*

*Prerequisites: co requisite of BUS 306*

This course is an examination of the knowledge sets, skills, tools and techniques of project management, with an emphasis on how project management contributes to the strategic goals of the organization. The course focuses on four of the knowledge areas of project management (Scope management, time management, cost management, risk management and marketing feasibility). Tools for resources estimation and scheduling will be applied in this course. MS Project software will be used extensively during this course to apply project management skills and concepts acquired.

## Business Electives

### ACC 302 Intermediate Accounting I

*Credit hours: 3*

*Prerequisites: ACC 200 (C Grade)*

Financial accounting and reporting is the primary medium by which organizations provide information to their external stakeholders (e.g., shareholders, creditors, governmental agencies, customers and alike). The information provided would be used for a variety of decisions making purposes by interested parties. This is the first of a two part course. Intermediate accounting I provides an in depth study of the process of preparing and presenting financial information about an entity for outside users. Topics vary but typically include the process of accounting standard setting, the accounting cycle including data accumulation, adjustments, and preparation of financial statements. There is a focus on the recognition, measurement, and disclosure of revenue, valuation of inventory and cost of sales, and plant assets. This course will have "preparer orientation" and in that context assists the students as to understand the process of generating accounting information and its reporting. With the knowledge of such limitations, users would be in a position to attach appropriate level of confidence to the accounting and financial reporting in their decision making.

### ACC 306 Cost Accounting

*Credit hours: 3*

*Prerequisites: ACC 201*

This course is designed to provide a practical knowledge of cost accounting systems and procedures. The course will focus on topics such as cost concepts and classifications, cost accounting cycle, accounting for materials, labor and overhead, process cost accounting, budgeting,





standard costs, cost reports, direct costing and differential cost analysis, costing of products and services, cost allocation among the business departments, activity-based costing, and income effects of absorption and variable costing. In addition, the course will focus on ways the cost accounting helps managers make better decisions. Cost accounting is increasingly becoming integral member of decision making teams instead of just data providers. By focusing on a basic concepts, analyses, uses, and procedures, we recognize cost accounting as a management tool for business strategy and implementation. This course prepares students for the rewards and challenges facing them in the professional cost accounting world both today and tomorrow.

### **ECO 401 Labor Economics**

*Credit hours: 3*

*Prerequisites: ECO 201 + BUS 204/ BUS 200*

The course is an introduction to the field of Labor Economics and public policy, we will explore the ideas economists use to understand how labor markets work. The emphasis is on applied microeconomics and statistical analysis. The course focuses on analyzing wages, working hours, conditions of work, fringe benefits, and productivity. It also explains how labor is supplied to the marketplace in the short and long run in the UAE and the region. Topics to be covered include: labor supply and demand, human capital, minimum wages, income distribution, unions and strikes, immigration, incentives, discrimination, unemployment and unemployment insurance.

### **FIN 302 Financial Statements Analysis**

*Credit hours: 3*

*Prerequisites: FIN 200*

The aim of the course is to introduce students to the basic approaches to financial statement analysis.

The course covers the analysis, interpretation, and evaluation of financial statements. Financial statement analysis (FSA) is an applied tool, one must be able to apply as well as understand it. FSA involves a comparison of a firm's performance with that of others in the same line of business. The analysis is used to determine the financial position in order to identify current strengths and weaknesses, the projected profile and to suggest actions that might enable the enterprise to take advantages of its strengths and to put remedies in place to attend to its problems.

### **FIN 303 Risk Management**

*Credit hours: 3*

*Prerequisites: FIN 200*

This course will present risk exposures with regard to the individual and the firm. A wide variety of techniques for reducing risk exposure will be studied including life, property and casualty insurance. In addition, the course will examine the problems faced by insurers, such as re-insurance and investment policy.

### **MGT 321 Change Management**

*Credit hours: 3*

*Prerequisites: MGT 301/MGT 255*

This course provides students with a conceptual understanding of a framework for change using a series of contemporary Case Studies and Readings. The basis of such a framework is related to the three primary forces for change namely technology, customers and the forces of globalization. The course considers a need to articulate a vision in order to respond to the opportunities and constraints that are associated with change in contemporary organizations. Students are provided with a diverse range of tools and techniques to implement a change strategy including an ability to help people cope with change successfully. The role of a change agent is considered in terms of the competences and capabilities

required to manage the change process. The course addresses change as a continuous process with the associated uncertainties, ambiguities and challenges that such a situation presents. Relying on case study material and selected readings the course provides students with a comprehensive picture of how and why organizations change.

### **MGT 314 Entrepreneurship Management**

*Credit hours: 3*

*Prerequisites: MGT 301/MGT 255*

This course is designed to give students the opportunity to investigate the context and nature of entrepreneurship. It exposes students to detailed descriptions and analytical study of the internal and external business environment. Actual case studies and entrepreneurial profiles are utilized to help illustrate the elements of successful and not-so-successful ventures. This subject offers the rules, the roadmap, and the reasoning how to bring creative business ideas out of mind into being.

### **HRM 404 Employee Relations**

*Credit hours: 3*

*Prerequisites: HRM 313*

This course introduces the student to the nature of Employment Relations with particular reference to the practice of ER in sustaining human capital in the UAE. The course provides a rationale for the need to establish a harmonious relationship between employer and employee in terms of being efficient, effective and providing both parties with a voice for mutual communication. ER is examined in a contemporary and pluralist context including a review of anti-discrimination, a legal and policy framework, equal opportunities, diverse labor market and the position of female workers. Consideration is given to how employer/employee needs can be aligned to business policies with opportunities provided to influence workplace and



organization decision making. An ER Project is used to allow students to explore alternative approaches to ER and consider a variety of ways to resolve labor conflicts to create sustainability.

The main aim of this course is to introduce students to the theories and practices of employee relations. The course will also examine: the human resource management implications of unionization; different frameworks for employee relations; environmental factors influencing employment relations; the key players in employee relations; the legislative framework governing employee relations; the collective bargaining process; key elements of a collective agreement; the administration of the collective agreement; the grievance and arbitration process; and the future of employee relations.

### **MGT 422 Management and Leadership Development**

*Credit hours: 3*

*Prerequisites: MGT 301/MGT 255*

This course provides the student with a detailed overview of contemporary leadership theory and practice and considers the nature of leadership in today's organizational context. Leadership is compared to management and the theories of leadership are considered as an evolutionary process from trait theory to contingency approaches. Leadership is examined as both a relationship process and as an opportunity to shape an organization.

The course also offers students a potential for self-assessment and leadership development. The essence of leadership development is self-awareness and a number of opportunities are made available to review values, competencies and skills that will contribute to the leadership development process.

### **MIS 304 Business System Analysis & Design**

*Credit hours: 3*

*Prerequisites: MIS 200*

This course focuses on evaluating existing business processes and choosing a system development methodology to improve upon it. Emphasis will be on analyzing, modeling and designing efficient business processes. It will also emphasize the factors for effective communication and integration with end-users. It encourages interpersonal skill development with clients, end-users, team members and others associated with development, operation, and maintenance of systems.

### **MKT 303 Retail Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200*

The course provides an overview of the field of retailing and endeavors to familiarize the students with the basic concepts and issues that are deemed pertinent in today's world of retailing and retail marketing; including, but not limited to, the nature and structure of retail industry, the determinants of successful retail marketing strategies and the fundamental principles of sound retail management.

### **MKT 304 Marketing Communication**

*Credit hours: 3*

*Prerequisites: MKT 301*

Marketing Communications will profile a number of frameworks and theories to elaborate and evaluate communication initiatives. The overall structure of the course is designed to mainly answer the following question: How do we communicate to build brand equity?

This course examines marketing communications strategies, tools and media that can be used by marketers to ensure effective communications with customers. The overall

emphasis is on developing sound approaches to addressing marketing communications problems and relating these decisions to the firm's strategic orientation.

### **MKT 305 Marketing Research**

*Credit hours: 3*

*Prerequisites: MKT 200 + co requisite of BUS 204*

Marketing research serves as a central basis for marketing strategy and firm profitability by providing information relevant to marketing decision making. It is critical for marketing managers to understand the nature of marketing research and to be able to specify what information to seek, how to get it, and how to use it in making marketing decisions. This course will aim, therefore, to provide an overview of marketing research in terms of needs, definition, process, analysis and reporting.

### **MKT 401 E-Marketing and Social Media**

*Credit hours: 3*

*Prerequisites: MKT 200 + ECO 202*

This subject will give students a clear understanding to the students, of environmental forces that the international marketer has to consider. The course will also focus on various activities necessary for international marketing planning and various international marketing activities. The course will discuss, at length, the strategic and marketing management issues relevant to the global operations of a multi-national organization. Finally the course will address transitions in international marketing, with a particular focus on countertrade, newly emerging markets, and the future of the field and the students.

### **MKT 405 Service Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200*

Services dominate the global economy and are becoming critical for competitive advantage in companies across the globe and





in all industry sectors. This course is designed for students who may be interested in working in service industries and will address the distinct needs and problems of service firms in the area of marketing.

The main theme of the course is that service organizations (e.g., banks, educational institutions, hospitals, hotels, professional services, transportation companies) require a distinctive approach to marketing strategy, both in its development and execution. Particularly, the course focuses on the unique challenges of managing services and delivering quality service to customers. The attraction, retention, and building of strong customer relationships through quality service (and services) are at the heart of the course content.

### **MKT 399-I Internship**

*Credit hours:3*  
*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MKT 399-P Project**

*Credit hours:3*  
*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of

secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner

### **MGT 399-I Internship**

*Credit hours:3*  
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This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

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## **Bachelor of Business Administration in Management**

### **Major Requirements**

#### **MGT 321 Change Management**

*Credit hours: 3*  
*Prerequisites: MGT 301/MGT 255*

This course provides students with a conceptual understanding of a framework for change using a series of contemporary Case Studies and Readings. The basis of such a framework is related to the three primary forces for change namely technology, customers and the forces of globalization. The course considers a need to articulate a vision in order to respond to the opportunities and constraints that are associated with change in contemporary organizations. Students are provided with a diverse range of tools and techniques to implement a change strategy including an ability to help people cope with change successfully. The role of a change agent is considered in terms of the competences and capabilities required to manage the change process. The course addresses change as a continuous process with the associated uncertainties, ambiguities and challenges that such a situation presents. Relying on case study material and selected readings the course provides students with a comprehensive picture of how and why organizations change.



### **MGT 411 Project Management**

*Credit hours: 3*

*Prerequisites: co requisite of BUS 306*

This course is an examination of the knowledge sets, skills, tools and techniques of project management, with an emphasis on how project management contributes to the strategic goals of the organization. The course focuses on four of the knowledge areas of project management (Scope management, time management, cost management, risk management and marketing feasibility). Tools for resources estimation and scheduling will be applied in this course. MS Project software will be used extensively during this course to apply project management skills and concepts acquired.

### **HRM 313 Human Resources Management**

*Credit hours: 3*

*Prerequisites: MGT 255*

*Co-requisites: MGT 301*

This course provides students with an understanding of the many different perspectives that are needed to make HR management decisions. No longer can we rely upon a single vision and culture of an organization when we consider human resource issues. The student is presented with a view of organizations as fragmented, individual focused, with decentralized power and responsibility which contributes to a more flexible yet more complex whole. The course considers HRM as a key to organizational change and presents the student with a range of effective HRM practices that derive from the organization strategic plans so that as managers they can operate with flexibility and opportunity to initiate and sustain change using the people of the organization as change agents. The course examines the development of HRM as a discipline and from a theoretical basis. The constituent parts of HRM are covered including

a strategic overview, HR ethical, legal and social considerations, staffing, human resource development, compensation and benefits, safety and health, employee labour relations, global considerations for HRM.

### **MGT 314 Entrepreneurship Management**

*Credit hours:3*

*Prerequisites: MGT 255/MGT 301*

This course is designed to give students the opportunity to investigate the context and nature of entrepreneurship. It exposes students to detailed descriptions and analytical study of the internal and external business environment. Actual case studies and entrepreneurial profiles are utilized to help illustrate the elements of successful and not-so-successful ventures. This subject offers the rules, the roadmap, and the reasoning how to bring creative business ideas out of mind into being.

### **MGT422 422 Management and Leadership Development**

*Credit hours:3*

*Prerequisites: MGT 301/MGT 255*

This course provides the student with a detailed overview of contemporary leadership theory and practice and considers the nature of leadership in today's organizational context. Leadership is compared to management and the theories of leadership are considered as an evolutionary process from trait theory to contingency approaches. Leadership is examined as both a relationship process and as an opportunity to shape an organization.

The course also offers students a potential for self-assessment and leadership development. The essence of leadership development is self-awareness and a number of opportunities are made available to review values, competencies and skills that will contribute to the leadership development process.

### **MGT 399-I Internship in Management**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MGT 399-P Project in Management**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner.

## **Major Electives**

### **MGT 401 Organization Theory & Design**

*Credit hours:3*

*Prerequisites: MGT 301/MGT 255*

This course will expose students to the evaluation of organization theory, and the contribution of different schools



of thought to the development of classical and contemporary theoretical perspectives. The topics of bureaucracy, power and politics, organizational structures, technology, organizational change and the concept of “learning organizations” will receive special attention. The application of organization theory to management issues will be stressed in the course.

### **MGT 499 Special Topics in Management**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course is designed to give students an opportunity to learn about current issues and developments in the field of Management that is not ordinarily dealt with elsewhere in the BBA curriculum. Topics offered will depend on special faculty expertise in particular areas within the major. While the topics covered can vary each semester the course is offered, a student is not supposed to have more than one Special Topics in Management course listed in his/her transcript.

### **MGT 488 - Internship in II Management**

*Credit hours:3*

*Prerequisites: MGT399 + Consent of Department*

This course provides the opportunity of an extended internship to the business students to gain additional months of experience. The first objective of the course is to provide the students with an opportunity to examine more business functions in greater details through linking and applying their acquired academic knowledge in a real-life professional setting. Second, students will have a unique chance to enhance their soft and technical skills through the involvement in various activities related to their majors under the guidance of their academic and on-site mentors for a relatively longer

period of time. In addition, witnessing many initiatives and outcomes unfold at the workplace, would help the students in having a better perception about their own career choices. Subsequently, the combined practical experience gained in the two consecutive internship courses would enhance the students' readiness to compete for good job opportunities right after graduation.

## **Bachelor of Business Administration in Marketing**

### **Major Requirements**

#### **MKT 301 Consumer Behavior**

*Credit hours:3*

*Prerequisites: MKT 200 + FWS 305*

This course will explore the nature of consumer behavior that helps in comprehend different factors influencing consumer decision making, and marketing strategy. Attention will be given to study and analyze external influences (culture, subculture, cross cultural variations in consumer behavior, group influence, families and households, and social class), internal influences (perception, learning, memory, product positioning, motivation, personality, emotions, attitudes, and self concept and lifestyle), consume decision process and other marketing stimuli affects consumer purchasing behavior.

#### **MKT 303 Retail Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200*

The course provides an overview of

the field of retailing and endeavors to familiarize the students with the basic concepts and issues that are deemed pertinent in today's world of retailing and retail marketing; including, but not limited to, the nature and structure of retail industry, the determinants of successful retail marketing strategies and the fundamental principles of sound retail management.

### **MKT 304 Marketing Communication**

*Credit hours:3*

*Prerequisites: MKT 301*

Marketing Communications will profile a number of frameworks and theories to elaborate and evaluate communication initiatives. The overall structure of the course is designed to mainly answer the following question: How do we communicate to build brand equity?

This course examines marketing communications strategies, tools and media that can be used by marketers to ensure effective communications with customers. The overall emphasis is on developing sound approaches to addressing marketing communications problems and relating these decisions to the firm's strategic orientation.

#### **MKT 305 Marketing Research**

*Credit hours: 3*

*Prerequisites: MKT 200 + co requisite of BUS 204*

Marketing research serves as a central basis for marketing strategy and firm profitability by providing information relevant to marketing decision making. It is critical for marketing managers to understand the nature of marketing research and to be able to specify what information to seek, how to get it, and how to use it in making marketing decisions. This course will aim, therefore, to provide an overview of marketing research in terms of needs, definition, process, analysis and reporting.



### **MKT 399-I Internship in Marketing**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MKT 399-P Project in Marketing**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner.

### **MKT 404 Marketing Strategies**

*Credit hours:3*

*Co requisites: MKT 303, MKT 304, MKT 305*

This course builds upon material covered in Principles of Marketing, but it is more applied in nature. This course will then require the integration of theory and practice. Students will have to make strategic marketing decisions based on analytical techniques they will learn in this course. This course will focus

on analysis, planning and control of the marketing function within organizations by providing a good conceptual framework to address marketing management problems. An emphasis will be placed upon applying marketing concepts to real-world situations. We will use case analyses and writing of a marketing plan so that you will gain experience in identifying, analyzing and recommending solutions to various problems encountered by marketing managers. This course is a balance between leaning the infrastructure of marketing and applying this knowledge to the real world

## **Major Electives**

### **MAC 314 Communication Strategy in Advertising**

*Credit hours: 3*

*Prerequisites: MKT 200*

Writing-intensive course providing the opportunity to apply the theories and principles of strategic communication and to practice their strategic and tactical planning skills in a teamwork environment. Emphasis is placed on the creative process, visual communication and the importance of research. Students work with real clients in a classroom.

### **MKT 405 Service Marketing**

*Credit hours:3*

*Prerequisites: MKT 200*

Services dominate the global economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course is designed for students who may be interested in working in service industries and will address the distinct needs and problems of service firms in the area of marketing.

The main theme of the course is

that service organizations (e.g., banks, educational institutions, hospitals, hotels, professional services, transportation companies) require a distinctive approach to marketing strategy, both in its development and execution. Particularly, the course focuses on the unique challenges of managing services and delivering quality service to customers. The attraction, retention, and building of strong customer relationships through quality service (and services) are at the heart of the course content.

### **MKT 402 E-Marketing and Social Media**

*Credit hours:3*

*Prerequisites: MKT 200 + MIS 200*

This course builds upon integrating marketing theory with Internet reality. This course helps students develop the skills necessary to understand and integrate Internet technology and characteristics into marketing strategy. It helps them recognize and understand the implications of the Internet not only as a marketplace, but also as a set of tools and opportunities. In this course, teams of students will analyze Internet marketing opportunities facing a client firm. Teams will develop a strategic marketing plan. Issues assessed will include the firm's Internet marketing capabilities, stage of Internet development, Internet marketing objectives, stakeholder concerns, creation and maintenance of the web site, nature of the marketing and communication, pricing and service objectives.

### **MKT 401 E-Marketing and Social Media**

*Credit Hours: 3*

*Prerequisites: MKT 200 + ECO 202*

This subject will give students a clear understanding to the students, of environmental forces that the international marketer has to consider. The course will also focus on various activities necessary for international marketing planning and various international marketing activities.



The course will discuss, at length, the strategic and marketing management issues relevant to the global operations of a multi-national organization. Finally the course will address transitions in international marketing, with a particular focus on countertrade, newly emerging markets, and the future of the field and the students.

### **MKT 499 Special Topics in Marketing**

*Credit hours: 3*  
*Prerequisites: Consent of Department + MKT 200*

This course is designed to give students an opportunity to learn about current issues and developments in the field of Management that is not ordinarily dealt with elsewhere in the BBA curriculum. Topics offered will depend on special faculty expertise in particular areas within the major. While the topics covered can vary each semester the course is offered, a student is not supposed to have more than one Special Topics in Management course listed in his/her transcript.

### **ITE 415 Advanced E-Commerce Application Design**

*Credit hours: 3*  
*Pre-requisites: MKT414/ITE 414*

This subject aims to provide students with an understanding of e-business in the context of to-day's global business environment. Today most businesses compete in a global environment and a sound business strategy for on-line business is essential to facilitate this.

This subject covers key areas of e-business. It includes a wide coverage of the technological, organizational, behavioral, social and legal issues related to the development, implementation, operation and management of e-business applications.

Topics include: security methods and techniques for e-Commerce, e-Commerce marketing concepts and communication, supply chain

management and e-Procurement.

### **ITE 414 Introduction to E-Commerce**

*Credit hours: 3*  
*prerequisite: Junior Level*

With the rapid growth of the Internet, commerce on the web has been a significant part of the revenue stream for companies. This subject will develop an appreciation for all the issues involved in developing an ecommerce site, ranging from the business case to the technology involved.

This subject will cover a range of business and technical concepts, which are required to understand e-commerce and e-business applications. These include supply chain management, systems analysis and development, ecommerce models, website analysis, legal and ethical issues, and building ecommerce web site.

## **Bachelor of Business Administration in Finance**

### **Major Requirements**

#### **FIN 301 Managerial Finance**

*Credit hours: 3*  
*Prerequisites: FIN 200 + ECO 201*

This course will focus on a study of the techniques used by the financial manager in planning and controlling the acquisition and use of funds to maximize the value of the firm. Topics covered will include cash budgeting, ratio analysis, capital budgeting, forecasting techniques, project evaluation, financial leverage, risk and

the cost and the cost of capital.

#### **FIN 302 Financial Statements Analysis**

*Credit hours: 3*  
*Prerequisites: FIN 200*

The aim of the course is to introduce students to the basic approaches to financial statement analysis. The course covers the analysis, interpretation, and evaluation of financial statements. Financial statement analysis (FSA) is an applied tool, one must be able to apply as well as understand it. FSA involves a comparison of a firm's performance with that of others in the same line of business. The analysis is used to determine the financial position in order to identify current strengths and weaknesses, the projected profile and to suggest actions that might enable the enterprise to take advantages of its strengths and to put remedies in place to attend to its problems.

#### **FIN 303 Risk Management**

*Credit hours: 3*  
*Prerequisites: FIN 200*

This course will present risk exposures with regard to the individual and the firm. A wide variety of techniques for reducing risk exposure will be studied including life, property and casualty insurance. In addition, the course will examine the problems faced by insurers, such as re-insurance and investment policy.

#### **FIN 304 Management of Financial Institutions**

*Credit hours: 3*  
*Prerequisites: FIN 200*

This course will present both theoretical and practical aspects of decision making in financial institutions. The primary focus will be on commercial bank management. Major topics will include asset/liability and capital management, credit evaluation, lending policies and practices, liquidity management, bank performance evaluation, investment banking, investment portfolio



management and international banking. This course will also present a broad survey of the institutions in banking and the capital markets. The business economics component will examine the interactions between the Central Bank, the banking industry and international financial institutions in the implementation of monetary policy and its effect on economic activity. The finance component will focus on the instruments and participants in the capital markets. The emphasis will be on the characteristics, behavior, and evolution of these markets.

### **FIN 399-I Internship in Finance**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **FIN 399-II Project in Finance**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business

projects results in a formal manner

### **FIN 401 Investment & Finance Policy**

*Credit hours: 3*

*Prerequisites: FIN 301*

This course will focus on the application of investment principles and security analysis to the selection and comparison of equity and fixed income securities in the current economic and financial environment. The course will also cover: determinants of stock prices and growth models.

### **FIN 407 International Financial Management**

*Credit hours: 3*

*Prerequisites: ECO 202 + FIN 301*

This course focuses on international finance theory with current practical applications. The coverage includes: international financial markets including banks, exchange rate determination, government influence on exchange rates, interest rate parity, international Fisher effect, exchange rate risk management, managing economic and translation exposure.

## **Major Electives**

### **FIN 350 Personal Finance**

*Credit hours: 3*

*Prerequisites: FIN 200*

This course is designated to provide students with opportunities to develop skills for solving real world problems. It focuses on areas of study that address problems and applications in personal finance including financial and budgeting planning, credit management, real estate financing insurance protection, personal investing and retirement planning.

### **FIN 400 Computer Applications in Finance**

*Credit hours: 3*

*Prerequisites: FIN 301*

The focus of this course is to provide students with computer skills in finance to support decision making by financial manager. Emphasis will be placed on Excel applications in the areas of: Financial ratios analysis, Time-value of money, Valuation and Rates of Return, The Cost of Capital, Risk, Capital Budgeting, and Diversification.

### **FIN 420 Introduction of Econometrics**

*Credit hours: 3*

*Prerequisites: FIN 200 + BUS 204*

This course introduces students to different statistical techniques for analyzing data in economics and related disciplines. The objective of the course is for the student to learn how to conduct – and how to critique – empirical studies in economics and related fields. Accordingly, the emphasis of the course is on empirical applications. The mathematics of econometrics will be introduced only as needed and will not be a central focus.

### **FIN 499 Special Topics in Finance**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course is designed to give students an opportunity to learn about current issues and developments in the field of Finance that is not ordinarily dealt with elsewhere in the BBA curriculum. Topics offered will depend on special faculty expertise in particular areas within the major. While the topics covered can vary each semester the course is offered, a student is not supposed to have more than one Special Topics in Finance course listed in his/her transcript.





### **FIN 488- Internship II in Finance**

*Credit hours: 3*

*Prerequisites: FIN399+ Consent of Dept*

This course provides the opportunity of an extended internship to the business students to gain additional months of experience. The first objective of the course is to provide the students with an opportunity to examine more business functions in greater details through linking and applying their acquired academic knowledge in a real-life professional setting. Second, students will have a unique chance to enhance their soft and technical skills through the involvement in various activities related to their majors under the guidance of their academic and on-site mentors for a relatively longer period of time. In addition, witnessing many initiatives and outcomes unfold at the workplace, would help the students in having a better perception about their own career choices. Subsequently, the combined practical experience gained in the two consecutive internship courses would enhance the students' readiness to compete for good job opportunities right after graduation.

## Bachelor of Business Administration in Accounting

### **Major Requirements**

#### **ACC 302 Intermediate Accounting I**

*Credit hours: 3*

*Prerequisites: ACC 200 (C grade)*

Financial accounting and reporting

is the primary medium by which organizations provide information to their external stakeholders (e.g., shareholders, creditors, governmental agencies, customers and alike). The information provided would be used for a variety of decisions making purposes by interested parties. This is the first of a two part course. Intermediate accounting I provides an in depth study of the process of preparing and presenting financial information about an entity for outside users. Topics vary but typically include the process of accounting standard setting, the accounting cycle including data accumulation, adjustments, and preparation of financial statements. There is a focus on the recognition, measurement, and disclosure of revenue, valuation of inventory and cost of sales, and plant assets. This course will have "preparer orientation" and in that context assists the students as to understand the process of generating accounting information and its reporting. With the knowledge of such limitations, users would be in a position to attach appropriate level of confidence to the accounting and financial reporting in their decision making.

#### **ACC 304 Intermediate Accounting II**

*Credit hours: 3*

*Prerequisites: ACC 302*

This is the second of a two part course of intermediate accounting. This course explores specific accounting issues more in depth. The aim of the course is to consider the theoretical foundations and problems associated with measurement of elements of general-purpose financial statements. Theory and standards relating to measurement and reporting of liabilities and owners' equity are examined in details in this course. Specific topics concerning: Contingencies, leases, income tax allocation, price level changes and standards related to asset valuation,

revenue recognition, gain and loss recognition, and their impact on income measurement and financial position are covered and discussed in details.

#### **ACC 306 Cost Accounting**

*Credit hours: 3*

*Prerequisites: ACC 201*

This course is designed to provide a practical knowledge of cost accounting systems and procedures. The course will focus on topics such as cost concepts and classifications, cost accounting cycle, accounting for materials, labor and overhead, process cost accounting, budgeting, standard costs, cost reports, direct costing and differential cost analysis, costing of products and services, cost allocation among the business departments, activity-based costing, and income effects of absorption and variable costing. In addition, the course will focus on ways the cost accounting helps managers make better decisions. Cost accounting is increasingly becoming integral member of decision making teams instead of just data providers. By focusing on a basic concepts, analyses, uses, and procedures, we recognize cost accounting as a management tool for business strategy and implementation. This course prepares students for the rewards and challenges facing them in the professional cost accounting world both today and tomorrow.

#### **ACC 308 Accounting Information Systems**

*Credit hours: 3*

*Prerequisites: ACC 302 + MIS 200*

This is an introductory course in accounting information systems. It includes consideration of issues such as transaction processing and transaction processing cycles, the use and effects of computers and other relevant technology on accounting, database and file systems, internal accounting and administrative controls, and information technology



audits. The module emphasizes the use of common business software, which may include spreadsheets, flowcharting software communications, general ledger, and database management systems.

### **ACC 399-I Internship in Accounting**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **ACC 399-P Project in Accounting**

*Credit Hours: 3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner.

### **ACC 401 Advanced Accounting**

*Credit hours: 3*

*Prerequisites: ACC 304*

The transfer of control from one group of owners to another affects the economic interests of many users,

including the owners, managers, creditors and customers. Although the single proprietorship is the most common form of business in the Arab world, and although the corporate form of organization accounts for by far the largest volume of business, the partnership form is widely used by smaller business entities in this region (GCC countries). The study of partnership, accounting for branches and the preparation of consolidated financial statements is the primary concentration of this course. Moreover, this course introduces and analyses the concept of business combination and focuses on how to prepare consolidated financial statements.

### **ACC 404 Auditing**

*Credit Hours: 3*

*Prerequisites: ACC 304*

The objective of this course is to introduce students to key auditing concepts and to provide students with an understanding of how auditors perform an audit. The course begins with an introduction to the role of the auditor followed by an analysis and evaluation of the two main audit approaches, risk-based auditing, and systems-based auditing. After this, the course will continue with an examination of key auditing concepts, such as, the true and fair view, evidence, and independence. The professional responsibility of auditors, codes of ethics, internal control, auditor's report, and other attestation services are among other topics covered in the course.

### **ACC 407 International Accounting**

*Credit hours: 3*

*Prerequisites: ACC 304*

The global economy is best characterized by a new economic and corporate world in which national boundaries are losing their importance. Multinational and local firms need to be aware of the linkages, ramifications, conditions, and demands of the global economy.

International Accounting looks at how to produce accounting information that reflects this international reality for both external and internal users. The course takes in all the technical accounting problems in Financial Accounting, Cost Accounting, Management Accounting, and Auditing that have a bearing on the conduct of foreign operations. In addition, globalization and the information revolution have rendered the development and application of appropriate accounting systems a priority.

## **Major Electives**

### **ACC 310 Introduction to CIMA Professional Diplomas**

*Pre-requisites: ACC 201 + FIN 200 + MIS 200 + MGT 200/MGT255 + MKT 200*

*Co-requisites: ACC 302/FIN 302*

This course is specifically designed to help ADU-COBA students to prepare for the Operational Level Case Study exam and attempt to obtain the CIMA Diploma in Management Accounting, as per the memorandum of agreement between Abu Dhabi University and the Chartered Institute of Management Accountants (CIMA). The learning outcomes of the course are matched with the operational level modules in the CIMA 2015 syllabus - E1, P1 and F1- which are defined as follows:

E1 - Organizational Management(OM);

P1 - Management Accounting (MA);

F1 - Financial Reporting and Taxation (FRT).

For students who are not planning to sit immediately in the CIMA Operational Case Study exam, the course will provide an integrative approach to management accounting, financial reporting and taxation, and organizational





management. Building on prior knowledge from different functional disciplines across the COBA curriculum, the course is intended to help develop higher level analytical and critical thinking skills needed by the students to begin their professional careers as Management Accountants or Finance Officers.

### **ACC 400 Government and Not-for-Profit Accounting**

*Credit hours: 3*

*Prerequisites: ACC 304*

This course presents the principle of accounting, control, and financial reporting in governmental and non-profit organizations. Students will be able to differentiate between the sources of accounting standards for various public and private sector organizations while performing the steps necessary to prepare government financial statements. Moreover, an application of the modified accrual basis of accounting in the recording of typical transactions of capital projects, debt service, and permanent funds will be introduced.

### **ACC 499 Special Topics in Accounting**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course is designed to give students an opportunity to learn about current issues and developments in the field of Finance that is not ordinarily dealt with elsewhere in the BBA curriculum. Topics offered will depend on special faculty expertise in particular areas within the major. While the topics covered can vary each semester the course is offered, a student is not supposed to have more than one Special Topics in Accounting course listed in his/her transcript.

### **FIN 302 Financial Statements Analysis**

*Credit hours: 3*

*Prerequisites: FIN 200*

The aim of the course is to introduce

students to the basic approaches to financial statement analysis. The course covers the analysis, interpretation, and evaluation of financial statements. Financial statement analysis (FSA) is an applied tool, one must be able to apply as well as understand it. FSA involves a comparison of a firm's performance with that of others in the same line of business. The analysis is used to determine the financial position in order to identify current strengths and weaknesses, the projected profile and to suggest actions that might enable the enterprise to take advantages of its strengths and to put remedies in place to attend to its problems.

### **ACC 488- Internship II in Accounting**

*Credit hours: 3*

*Prerequisites: ACC 399+ Consent of Department*

This course provides the opportunity of an extended internship to the business students to gain additional months of experience. The first objective of the course is to provide the students with an opportunity to examine more business functions in greater details through linking and applying their acquired academic knowledge in a real-life professional setting. Second, students will have a unique chance to enhance their soft and technical skills through the involvement in various activities related to their majors under the guidance of their academic and on-site mentors for a relatively longer period of time. In addition, witnessing many initiatives and outcomes unfold at the workplace, would help the students in having a better perception about their own career choices. Subsequently, the combined practical experience gained in the two consecutive internship courses would enhance the students' readiness to compete for good job opportunities right after graduation.

# Bachelor of Business Administration in Human Resource Management

## **Major Requirements**

### **HRM 313 Human Resources Management**

*Credit hours: 3*

*Prerequisites: MGT200 +*

*Co-requisites of MGT 301/MGT 255*

This course provides students with an understanding of the many different perspectives that are needed to make HR management decisions. No longer can we rely upon a single vision and culture of an organization when we consider human resource issues. The student is presented with a view of organizations as fragmented, individual focused, with decentralized power and responsibility which contributes to a more flexible yet more complex whole. The course considers HRM as a key to organizational change and presents the student with a range of effective HRM practices that derive from the organization strategic plans so that as managers they can operate with flexibility and opportunity to initiate and sustain change using the people of the organization as change agents.

The course examines the development of HRM as a discipline and from a theoretical basis. The constituent parts of HRM are covered including a strategic overview, HR ethical, legal and social considerations, staffing, human



resource development, compensation and benefits, safety and health, employee labour relations, global considerations for HRM.

### **HRM 315 Staffing**

*Credit hours: 3*

*Prerequisites: HRM 313*

In this course, students study the theory and application of methods used in recruiting and selecting employees. The course provides students with an in-depth coverage of the recruiting and staffing function within organizations. Topics that will be particularly emphasized include: equal employment opportunity and other laws relating to staffing, the techniques used in recruitment and selection, validation, and utility analysis. The course is designed for future and practicing human resource professionals, as well as employees and managers. It covers the staffing activities practiced in all types of organizations, and is taught using a combination of lectures, discussion, and experiential exercises/applications. Particular emphasis will be placed upon staffing projects and applications.

### **HRM 404 Employee Relations**

*Credit hours: 3*

*Prerequisites: HRM 313*

This course introduces the student to the nature of Employment Relations with particular reference to the practice of ER in sustaining human capital in the UAE. The course provides a rationale for the need to establish a harmonious relationship between employer and employee in terms of being efficient, effective and providing both parties with a voice for mutual communication. ER is examined in a contemporary and pluralist context including a review of anti-discrimination, a legal and policy framework, equal opportunities, diverse labor market and the position of female workers. Consideration is given to how employer/employee needs can be aligned to business

policies with opportunities provided to influence workplace and organization decision making. An ER Project is used to allow students to explore alternative approaches to ER and consider a variety of ways to resolve labor conflicts to create sustainability

### **HRM 419 Training and Development**

*Credit hours: 3*

*Prerequisites: HRM 313*

This course provides students with an understanding of the theories and practice associated with an HRM responsibility of providing employees with appropriate training and development to ensure the realization of their full potential in the workplace. If employees are to respond in an effective and flexible manner in relation to organization job demands then they need to acquire and develop the knowledge and skills considered necessary to perform their jobs. The process of training and development often referred to as HRD or Human Resource Development is considered as part of an HRM function. The course examines the tools and techniques of HRD and students are provided with an understanding of how training and development can be correlated with long term organization change and development. HRD activities are placed within a context of knowledge management and the need to create and sustain a learning organization.

### **MGT 422 Management and Leadership Development**

*Credit hours: 3*

*Prerequisites: MGT 301/MGT255*

This course provides the student with a detailed overview of contemporary leadership theory and practice and considers the nature of leadership in today's organizational context. Leadership is compared to management and the theories of leadership are considered as an evolutionary process from trait theory

to contingency approaches.

Leadership is examined as both a relationship process and as an opportunity to shape an organization. The course also offers students a potential for self-assessment and leadership development. The essence of leadership development is self-awareness and a number of opportunities are made available to review values, competencies and skills that will contribute to the leadership development process.

### **MGT 399-I Internship in HRM**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and the college-supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MGT 399-P Project in HRM**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner.



## Major Electives

### **MGT 321 Change Management**

*Credit hours: 3*

*Prerequisites: MGT 301/MGT 255*

This course provides students with a conceptual understanding of a framework for change using a series of contemporary Case Studies and Readings. The basis of such a framework is related to the three primary forces for change namely technology, customers and the forces of globalization. The course considers a need to articulate a vision in order to respond to the opportunities and constraints that are associated with change in contemporary organizations. Students are provided with a diverse range of tools and techniques to implement a change strategy including an ability to help people cope with change successfully. The role of a change agent is considered in terms of the competences and capabilities required to manage the change process. The course addresses change as a continuous process with the associated uncertainties, ambiguities and challenges that such a situation presents. Relying on case study material and selected readings the course provides students with a comprehensive picture of how and why organizations change.

### **ECO 401 Labor Economics**

*Credit hours: 3*

*Prerequisites: ECO 201 + BUS 204/ BUS 200*

The course is an introduction to the field of Labor Economics and public policy, we will explore the ideas economists use to understand how labor markets work. The emphasis is on applied microeconomics and statistical analysis. The course focuses on analyzing wages, working hours, conditions of work, fringe benefits, and productivity. It also explains how labor is supplied to the marketplace

in the short and long run in the UAE and the region. Topics to be covered include: labor supply and demand, human capital, minimum wages, income distribution, unions and strikes, immigration, incentives, discrimination, unemployment and unemployment insurance.

### **HRM 424 Contemporary Research in HRM**

*Credit hours: 3*

*Prerequisites: HRM 313*

This course is designed for students who require guidance in methodological issues relating to research in Human Resource Management. It addresses specific issues relating to research projects in terms of formulating research questions, data collection methods, analysis and recommendations in relation to the HRM discipline. The course examines research design, action research, survey research and ethnographic approaches to gathering and interpreting data. The course considers a multi-method research design in combining a number of different methods of managing data as a way to see a more balanced approach to research methodology and present students with a wider range of options.

### **MGT 411 Project Management**

*Credit hours: 3*

*Prerequisites: co requisite of BUS 306*

This course is an examination of the knowledge sets, skills, tools and techniques of project management, with an emphasis on how project management contributes to the strategic goals of the organization. The course focuses on four of the knowledge areas of project management (Scope management, time management, cost management, risk management and marketing feasibility). Tools for resources estimation and scheduling will be applied in this course. MS Project software will be used extensively during this course to apply project

management skills and concepts acquired.

## Bachelor of Business Administration in Digital Marketing

### Major Requirements

#### **MKT 301 Consumer Behavior**

*Credit hours: 3*

*Prerequisites: MKT 200 + FWS 305*

This course will explore the nature of consumer behavior that helps in comprehend different factors influencing consumer decision making, and marketing strategy. Attention will be given to study and analyze external influences (culture, subculture, cross cultural variations in consumer behavior, group influence, families and households, and social class), internal influences (perception, learning, memory, product positioning, motivation, personality, emotions, attitudes, and self-concept and lifestyle), consume decision process and other marketing stimuli affects consumer purchasing behavior.

#### **MKT 305 Marketing Research**

*Credit hours: 3*

*Prerequisites: MKT 200 + co requisite of BUS 204*

Marketing research serves as a central basis for marketing strategy and firm profitability by providing information relevant to marketing decision making. It is critical for marketing managers to understand the nature of marketing research and to be able to specify what information to seek, how to get it, and how to use it in making marketing decisions. This course will aim, therefore, to provide an overview



of marketing research in terms of needs, definition, process, analysis and reporting.

### **MAC 314 Communication Strategy in Advertising**

*Credit hours: 3*

*Prerequisites: MKT 200*

Writing-intensive course providing the opportunity to apply the theories and principles of strategic communication and to practice their strategic and tactical planning skills in a teamwork environment. Emphasis is placed on the creative process, visual communication and the importance of research. Students work with real clients in a classroom.

### **MKT 399-I Internship**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MKT 399-P Project**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically,

reporting and presenting business projects results in a formal manner.

### **MKT 402 E-Marketing and Social Media**

*Credit hours: 3*

*Prerequisites: MKT 200 + MIS 200*

This course builds upon integrating marketing theory with Internet reality. This course helps students develop the skills necessary to understand and integrate Internet technology and characteristics into marketing strategy. It helps them recognize and understand the implications of the Internet not only as a marketplace, but also as a set of tools and opportunities. In this course, teams of students will analyze Internet marketing opportunities facing a client firm. Teams will develop a strategic marketing plan. Issues assessed will include the firm's Internet marketing capabilities, stage of Internet development, Internet marketing objectives, stakeholder concerns, creation and maintenance of the web site, nature of the marketing and communication, pricing and service objectives.

### **ITE 414 E-Business**

*Credit hours: 3*

*Prerequisite: Junior Level*

With the rapid growth of the Internet, commerce on the web has been a significant part of the revenue stream for companies. This subject will develop an appreciation for all the issues involved in developing an e-commerce site, ranging from the business case to the technology involved.

This subject will cover a range of business and technical concepts, which are required to understand e-commerce and e-business applications. These include supply chain management, systems analysis and development, e-commerce models, website analysis, legal and ethical issues, and building ecommerce web site.

### **ITE 415 Advanced E-Commerce Application Design**

*Credit hours: 3*

*Pre-requisites: MKT414/ITE 414*

This subject aims to provide students with an understanding of e-business in the context of to-day's global business environment. Today most businesses compete in a global environment and a sound business strategy for on-line business is essential to facilitate this. This subject covers key areas of e-business. It includes a wide coverage of the technological, organizational, behavioral, social and legal issues related to the development, implementation, operation and management of e-business applications. Topics include: security methods and techniques for e-Commerce, e-Commerce marketing concepts and communication, supply chain management and e-Procurement.

## **Business Electives**

### **MKT 303 Retail Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200*

The course provides an overview of the field of retailing and endeavors to familiarize the students with the basic concepts and issues that are deemed pertinent in today's world of retailing and retail marketing; including, but not limited to, the nature and structure of retail industry, the determinants of successful retail marketing strategies and the fundamental principles of sound retail management.

### **MKT 304 Marketing Communication**

*Credit hours: 3*

*Prerequisites: MKT 301*

Marketing Communications will profile a number of frameworks and theories to elaborate and evaluate



communication initiatives. The overall structure of the course is designed to mainly answer the following question: How do we communicate to build brand equity?

This course examines marketing communications strategies, tools and media that can be used by marketers to ensure effective communications with customers. The overall emphasis is on developing sound approaches to addressing marketing communications problems and relating these decisions to the firm's strategic orientation.

### **MKT401 International Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200 + ECO202*

This subject will give students a clear understanding to the students, of environmental forces that the international marketer has to consider. The course will also focus on various activities necessary for international marketing planning and various international marketing activities. The course will discuss, at length, the strategic and marketing management issues relevant to the global operations of a multi-national organization. Finally the course will address transitions in international marketing, with a particular focus on countertrade, newly emerging markets, and the future of the field and the students.

### **MKT 405 Service Marketing**

*Credit hours: 3*

*Prerequisites: MKT 200*

Services dominate the global economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course is designed for students who may be interested in working in service industries and will address the distinct needs and problems of service firms in the area of marketing.

The main theme of the course is that service organizations (e.g., banks, educational institutions, hospitals, hotels, professional services,

transportation companies) require a distinctive approach to marketing strategy, both in its development and execution. Particularly, the course focuses on the unique challenges of managing services and delivering quality service to customers. The attraction, retention, and building of strong customer relationships through quality service (and services) are at the heart of the course content.

### **MKT 499 Special Topics in Marketing**

*Credit hours: 3*

*Prerequisites: Consent of Department + MKT 200*

This course is designed to give students an opportunity to learn about current issues and developments in the field of Management that is not ordinarily dealt with elsewhere in the BBA curriculum. Topics offered will depend on special faculty expertise in particular areas within the major. While the topics covered can vary each semester the course is offered, a student is not supposed to have more than one Special Topics in Management course listed in his/her transcript.

### **MKT 488- Internship II in Digital Marketing Communications**

*Credit hours: 3*

*Prerequisites: MKT399 + Consent of Department*

This course provides the opportunity of an extended internship to the business students to gain additional months of experience. The first objective of the course is to provide the students with an opportunity to examine more business functions in greater details through linking and applying their acquired academic knowledge in a real-life professional setting. Second, students will have a unique chance to enhance their soft and technical skills through the involvement in various activities related to their majors under the guidance of their academic and on-site mentors for a relatively longer

period of time. In addition, witnessing many initiatives and outcomes unfold at the workplace, would help the students in having a better perception about their own career choices. Subsequently, the combined practical experience gained in the two consecutive internship courses would enhance the students' readiness to compete for good job opportunities right after graduation.

## **Bachelor of Business Administration in Entrepreneurship and Innovation Communication**

### **Concentration Requirements**

### **MGT 422 Leadership and Management Development**

*Credit hours: 3*

*Pre-requisite: MGT255*

This course provides the student with a detailed overview of contemporary leadership theory and practice and considers the nature of leadership in today's organizational context. Leadership is compared to management and the theories of leadership are considered as an evolutionary process from trait theory to contingency approaches. Leadership is examined as both a relationship process and as an opportunity to shape an organization that is capable of dealing with the growing public interest in sustainability.

The course also offers students a potential for self-assessment and leadership development. The





essence of leadership development is self-awareness and a number of opportunities are made available to review values, competencies and skills that will contribute to the leadership development process.

### **INE 344 Innovation within Entrepreneurial Ventures**

*Credit hours: 3*

*Pre-requisite: FWS310*

Gaining a competitive advantage in today's business environment increasingly demands that organizations know how to innovate. This course will provide the know-how and tools to adapt any organization into a thriving environment where ideas are encouraged and inspiration is implemented. Through real world examples and research from experts in the field, students learn how to incorporate innovation into daily work and develop the creative confidence to stay ahead of the curve. The course uses fun and hands-on activities to stimulate innovation.

### **INE 346 Entrepreneurial Finance**

*Credit hours: 3*

*Pre-requisite: FIN200+ FWS310*

The course is focused on financial management within the entrepreneurial firm which is different from the other forms of organizations by being young, high growth business, usually with a new technology focus, more innovative, flexible, and adaptable. These firms will be examined at all phases of their life cycles, from the initial development of a business idea to the ultimate harvesting of the business venture investment. The main objective of this course is to provide students with an integrated set of concepts and applications from entrepreneurship, finance, and accounting that will provide a higher understanding of the financial environment in which these firms operate. This course will help develop students' skills in building useful financial management spreadsheet models (e.g. financial

forecasts and valuation models) in Excel. The student will also be introduced to current research in the field of entrepreneurial finance.

### **INE 347 Entrepreneurial Marketing**

*Credit hours: 3*

*Pre-requisite: FWS310 +MKT200*

The main objective of this course is to provide students with an understanding about the role of marketing in entrepreneurial ventures, and the role of entrepreneurship in marketing efforts of all firms. This course will focus on the real world marketing challenges involved in launching an entrepreneurial venture, and will provide a roadmap for students on how as entrepreneurs, investors or managers in the startup culture they can employ the tools and techniques of entrepreneurial marketing to create a sustainable competitive advantage. Attention will be devoted to understanding why marketers resist entrepreneurship as well as the common mistakes entrepreneurs make when it comes to marketing. This course provides a thorough understanding of marketing as it applies to new products, start-ups and SMEs, and how it can help counter the risk of failure of a new venture. Upon completion of this course, students should be able to develop marketing strategies for entrepreneurial firms.

### **INE 348 Venture Feasibility Study**

*Credit hours: 3*

*Pre-requisite: INE344 + INE346*

This course entails the development of analytical and conceptual skills required to test the feasibility of a business concept in the market. It requires students to undertake field research, develop and think critically about a business concept, answer fundamental questions about strategic, marketing, financial, operational, and human resource issues. It examines the critical factors involved in the conception, initiation, and development

of new business ventures, and provides the knowledge and skills to develop a feasibility plan for a new business venture that will be the basis for developing a business plan. Topics include business concept and business model design, feasibility analysis, and new venture strategy.

### **INE 377 Business Plan Development**

*Credit hours: 3*

*Pre-requisite: INE348 + Entrepreneurship Major*

The purpose of this course is to aid students in understanding the importance of business plans, as well as to train students to construct business plans for entrepreneurial organizations, including social enterprises and non-profit organizations. In this course, students will learn how to prepare a comprehensive strategy for launching a new business. The vehicle for achieving this is the preparation of a business plan based on an idea that students have selected. Students will have the opportunity to apply their entire entrepreneurship major course experience to a very practical project taking a hands-on approach. The teaching and learning (T&L) activities will include a combination of lecture and field work with the aim to inculcate entrepreneurship values and entrepreneurship acculturation with a view to successfully launch and subsequently manage their enterprises.

### **INE 399-I Internship in Entrepreneurship**

*Credit hours: 3*

*Prerequisites: Consent of Department*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site- supervisor and the college -supervisor. The course will be a breakthrough



in exposing the students to the professional work culture and conduct of business complexities.

### **INE 399-P Project in Entrepreneurship**

*Credit hours:3*

*Prerequisites: Consent of Department*

This course provides students with an opportunity to conduct original business research projects on subject that are of interests to them under the guidance of an assigned faculty supervisor. Students have the opportunity to conduct business research and gather relevant data, to integrate and apply knowledge and skills learned in preceding courses. The students are expected to move beyond mere examination of secondary sources and to investigate primary and documentary sources. The course is meant to reinforce the learning process by doing business research practically, reporting and presenting business projects results in a formal manner.

## **Concentration Electives**

### **INE 350 Franchising and Licensing**

*Credit hours: 3*

*Prerequisites: INE344*

This course is designed to give students the opportunity to investigate the context and nature of franchising and licensing. The subject will explore the nature of basic concepts of the franchise business. Specifically it touches on the scope of history and type of franchises. It also covers development of the franchise system, legal aspects and issues as well as financing the franchise business. Students will be required to identify a franchise business and examine it by addressing problems and issues faced by the entrepreneurs.  
MGT 411 Project Management  
Credit hours: 3

**Prerequisites:** co requisite of BUS 306  
This course is an examination of the knowledge sets, skills, tools and techniques of project management, with an emphasis on how project management contributes to the strategic goals of the organization. The course focuses on four of the knowledge areas of project management (Scope management, time management, cost management, risk management and marketing feasibility). Tools for resources estimation and scheduling will be applied in this course. MS Project software will be used extensively during this course to apply project management skills and concepts acquired.

### **INE 352 Managing Family Business**

*Credit hours: 3*

*Prerequisites: FWS310*

This course focuses on concepts and tools required to devise and implement strategies that enable family businesses to make the leap from entrepreneurial ventures to professionally managed firms. It addresses strategic and managerial challenges during the growth phase of small to mid-size firms. Growing Your Business helps owner/managers develop growth strategies for their businesses by providing frameworks, ideas, inspiration and hands-on assignments. In this course, we adopt the perspective of the founder and/or top management of entrepreneurial small firms who must be concerned with the overall viability of the business. The course is beneficial for the students who aspire to be entrepreneurs, managers, consultants, investors and/ or analysts.

### **INE 499 Special Topics in Entrepreneurship**

*Credit hours:3*

*Prerequisites: Consent of Department + FWS310*

This course is a project-based action-learning course, in which teams of students are matched to startups to work on problems

of strategic importance to the venture. Entrepreneurship Profile involves a significant body of independent work in a fixed time period. Projects vary widely, but typically involve investigating the evolution of entrepreneurial process from business ideation to managing business growth. The special topics in entrepreneurship is a hands-on course which will prepare the students to deal with local entrepreneurs and experts in person, by email, and over the phone. The teaching and learning (T&L) activities include case study and field work with an aim to inculcate entrepreneurship values and entrepreneurship acculturation with a view to successfully launching and subsequently managing their enterprises.

### **MKT 303 Retail Marketing**

*Credit hours: 3*

*Prerequisites: MKT200*

The course provides an overview of the field of retailing and endeavors to familiarize the students with the basic concepts and issues that are deemed pertinent in today's world of retailing and retail marketing. Topics include, but are not limited to, the nature and structure of the retail industry, the determinants of successful retail marketing strategies and the fundamental principles of sound retail management.

### **MKT 405 Service Marketing**

*Credit hours: 3*

*Prerequisites: MKT200*

Services dominate the global economy and are becoming critical for competitive advantage in companies across the globe and in all industry sectors. This course is designed for students who may be interested in working in service industries and will address the distinct needs and problems of service firms in the area of marketing.  
The main theme of the course is that service organizations (e.g., banks, educational institutions, hospitals, hotels,



professional services, transportation companies) require a distinctive approach to marketing strategy, both in its development and execution. Particularly, the course focuses on the unique challenges of managing services and delivering quality service to customers. The attraction, retention, and building of strong customer relationships through quality service (and services) are at the heart of the course content.

### **MKT 402 E-Marketing and Social Media**

Credit hours:3

Prerequisites: MKT 200 + MIS 200

This course builds upon integrating marketing theory with Internet reality. This course helps students develop the skills necessary to understand and integrate Internet technology and characteristics into marketing strategy. It helps them recognize and understand the implications of the Internet not only as a marketplace, but also as a set of tools and opportunities. In this course, teams of students will analyze Internet marketing opportunities facing a client firm. Teams will develop a strategic marketing plan. Issues assessed will include the firm's Internet marketing capabilities, stage of Internet development, Internet marketing objectives, stakeholder concerns, creation and maintenance of the web site, nature of the marketing and communication, pricing and service objectives.

### **INE 342 Social Entrepreneurship**

*Credit hours: 3*

*Prerequisites: FWS310*

Social entrepreneurship is a rapidly developing field of business in which entrepreneurs use business methods to help solve social and environmental challenges otherwise ignored or missed by commerce and addressed predominantly with often unsustainable donor-driven models by

the nonprofit sector. This field includes "social entrepreneurship," where employees in existing companies develop new income opportunities for their firms by addressing social and environmental challenges in a profitable, scalable manner. Students will learn what a social enterprise is and how it is the same as well as different from other types of businesses. Students will be expected to develop a business plan summary and investment 'pitch' to scale a social enterprise.





# College of Engineering

## Bachelor of Architecture

### Degree Requirements

#### PHY 102 Physics and Engineering Applications I

*Credit Hours: 3*

*Prerequisite: MTT 102*

The course aim is to provide engineering and computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of Motion, Work and Energy, Oscillatory Motion, Waves Motion, Sound Waves and Superposition of Waves. Taken simultaneously with PHY 102L (1 credit hour) prerequisite MTT 102 + PHY 102 Co-requisite.

#### PHY 102L Physics and Engineering Applications I Lab

*Credit Hours: 1*

*Co-requisite: MTT 102 + PHY102 (co-req)*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### Major Requirements

#### DES 110 Design Communication I

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course aims at developing the visual skills used by professionals in the built environment. The course offers an introduction to basic drawing and graphic modeling skills for architecture, interior design civil engineers and Construction managers. Instruction on two-dimensional visualization of the built environment and space will be covered. This includes technical as well as freehand drawing and representations. Basic 2d image processing software as well as basic 2D vector drawing software are introduced. Topics include: basic freehand drawing and drafting skills, orthographic projection, shades and shadow, sketching skills, drawing and projection composition, Drafted and freehand drawing of actual and proposed environments is considered including analysis of light, shade, materials, textures and various contextual elements. Basic graphic software are also introduced to students as a presentation and design communication tool. Educational enrichment activities in this course will include field-trips to project exhibits as well as art museums and architectural offices..

#### DES 120 Design Communication II

*Credit Hour: 3*

*Prerequisite: DES 110*

This course builds upon the drawing skills introduced in Design Communication I and introduces the students to three-dimensional visualization of the built environment with a special emphasis on freehand

drawing, paraline drawing and technical perspective drawing of the built environment along with isometric, oblique and axonometric projections. The courses also introduced basic 3D sketching techniques using manual and digital means. Communication of design ideas and details using nonlinear multimedia presentation tools will be introduced. Educational enrichment activities in this course will include field-trips to project exhibits as well as art museums and architectural offices.

#### DES 130 Design Foundations

*Credit Hour: 3*

*Prerequisite: DES 100*

A series of studio exercises to develop an understanding of the use of a model for structuring design information, fundamentals of programming, research, communication skills and the design process. This course is designed to introduce the students to the basic elements of design including vocabulary, configuration, form and order.

#### ARC 210 Architectural Design Studio I

*Credit Hour: 4*

*Prerequisite: DES 120 + DES 130*

Elements and principles of architectural design; form, space/ volume, and function and their interrelationships, it will also address basic design requirements through a small-scale project(s) (e.g. single family house, studio). Educational enrichment activities in this course will include invited professionals for the jury and famous local architects as guest speakers.



### **ARC 220 Architectural History I**

*Credit Hour: 3*

*Prerequisite: ENG 200*

This course is a historical and conceptual survey of architecture from prehistory to Medieval. The course will address questions of style and cover the major movements

and figures in architectural history. The course will focus on the way architecture provides the physical, spatial, and temporal frameworks for human interaction with nature, culture and the built environment.

### **ARC 230 Building Technology I**

*Credit Hour: 3*

*Prerequisite: DES 110*

An overview of basic concepts and properties of building structural components and their materials. The course discusses elements and types of superstructure, substructure, and foundations. It covers linear and planner, vertical and horizontal, structural systems and their members such as short-medium span roofing, flooring, walls, columns, girders, and beams.

### **ARC 240 Architecture and the Environment**

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course is an introductory course on the interaction between buildings and their environment. The course uses examples of vernacular architecture as examples of architecture adapted to its environment. It explores the influences of local materials, human comfort, climate and culture on building forms. The course discusses passive heating, cooling, ventilation, shading and daylighting strategies in different climatic zones.

### **ARC 250 Architectural Design Studio II**

*Credit Hours: 4*

*Prerequisite: ARC 210*

Simple and single use architectural project (s); aspects of spatial arrangements, site, climate and traditions are to be examined. (e.g. kindergarten, small clinic, art workshop).

### **ARC 260 Architectural and Interior Design History II**

*Credit Hours: 3*

*Prerequisite: ARC 220*

This course will examine twentieth- and twenty-first (21st) century architecture and its origins. Through slide lectures, readings, and class discussions. The course will focus on issues concerning style, technology, urbanism, regionalism, function, and reform to address the diverse forces that have shaped modern architecture.

### **ARC 270 Building Technology II**

*Credit Hours: 3*

*Prerequisite: ARC 230*

The course provides an insight of materials, and detailing of walls, floors, false ceilings, doors and windows. Also special attention to wood systems and carpentry and means of vertical circulation (stairs, elevators and escalators).

### **ARC 280 Computer Aided Design**

*Credit Hours: 3*

*Prerequisite: DES 110*

This course serves as an introduction to various electronic media employed within the practice of architecture and interior design. Creative and effective skills in the use of computers in architecture and interior design applications are consistently stressed.

### **ARC 310 Architectural Design Studio III**

*Credit Hours: 6*

*Prerequisite: ARC 250*

Issues concerning manipulation of space/volume and building form are explored, with special emphasis on alternative spatial organization of space (centralized, linear, radial, and clustered). Design process, conceptualization, and creativity are practiced by students. The problem of space formation, and form/function interaction are characterizing in this design course. Students are also expected to handle design problems related to large span single-use spaces; issues of structural systems and light weight material are applied. Contextual design elements of site, topography, climate, and traditional architecture are identified. Their influence on the conceptual design solution(s) are analyzed.

### **ARC 320 Environmental Design I: Lighting and Acoustics**

*Credit Hours: 3*

*Prerequisite: ARC 210*

This course is a comprehensive overview of the luminous and sonic environment with consideration to energy conscious design. Content includes human physiological and psychological perceptions of light in the built environment, natural and electric light sources, day lighting design techniques, lighting measurements and controls, light and form, computations for quantity and quality light, and the use of illuminated models for day lighting and electric lighting design, the basic principles of acoustics impacting room acoustics, mechanical system noise, sound absorptio and isolation, and the basic principles of electrical systems.



### **ARC 330 Structure for Architects I**

*Credit Hours: 3*

*Prerequisite: ARC 270*

An introduction to main concepts of structures and structural members. The course introduces different kinds of structural systems. It discusses the structural analysis of simple structures.

### **ARC 340 Building Technology III**

*Credit Hours: 3*

*Prerequisite: ARC 270*

Different advanced building systems & technologies and means of deploying them in buildings. Emphasis on prefabrication, modular coordination, mechanization, super structures, and long spans: concrete, steel, and wood. The building envelope, cladding, curtain walls. An overview of basic concepts and properties of different systems.

### **ARC 350 Architectural Design Studio IV**

*Credit Hours: 6*

*Prerequisite: ARC 310*

This design studio introduces architectural design as a multi-faceted problem-solving effort. It focuses on to different aspects of the design process such as site analysis/selection, environmental/climatic impacts, culture, and tradition. Problem-solving techniques are applied in terms of configuration and manipulation circulation paths, space interaction, structural system, and building form. (e.g. small museum, bank, library, recreational facilities).

### **ARC 360 Urban Planning**

*Credit Hours: 3*

*Prerequisite: ARC 210*

This course introduces the evolution of city form and structure and the development of order and organization in the city. Theories of planning at different levels are

discussed and different models to the planning process are introduced. The course also explores social, cultural, economic and environmental aspects of planning, planning management and implementation.

### **ARC 370 Professional Practice and Ethics**

*Credit Hours: 3*

*Prerequisite: ENG 200*

This course is an introduction to the organization, management, and practice of Architecture, Landscape architecture Interior Design as a business and profession. Emphasis is placed on the range of services provided, professional ethics, business management, marketing, contracts and negotiations, design cost analysis/control, and other aspects of professional practice. The course introduces the students to effective techniques for resume writing, letters of introduction, portfolio preparation, and job interview techniques.

### **ARC 399 Internship**

*Credit Hours: 3*

*Prerequisite: 90 credit hours*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course is intended to be a breakthrough experience in exposing student to the organizational work culture and the nature of business complexities.

### **ARC 410 Architectural Design Studio V**

*Credit Hours: 6*

*Prerequisite: ARC 350*

Manipulation of a complex multi-use/mix-used project(s), and

experimentation with the vocabulary of architectural form, space, and order. Aspects of the inter-relationship of architectural form and function are analyzed, and evaluated to be applicable to the potential design concept. Expression in the context of traditional architecture is a considerable aspect for developing design solution(s). (e.g. Hospital, museum, cultural center, local airport).

### **ARC 420 Environmental Design II: Energy and Systems**

*Credit Hours: 3*

*Prerequisite: ARC 240 + ARC 270*

This course will study the influences of energy, human comfort, climate, context, heating, cooling and water on the design of buildings and sites. The design of passive and active environmental systems with continued emphasis on day lighting, acoustics and design strategies for sustainability, and issues of green construction relating to energy in buildings.

### **ARC 430 Working Drawings I**

*Credit Hours: 3*

*Prerequisite: ARC 340*

Through a series of exercises and a small to medium size final project, this course will examine the process of design development and the logical structure of "working drawings." At the same time, the production of working drawings will be pursued as a creative design process.

### **ARC 450 Design Studio VI**

*Credit Hours: 6*

*Prerequisites: ARC 410*

This course introduces students to the process of developing a program for functional/environmental requirements of the determined project, setting up solution for the concerned design problem, and selecting the relevant site for the developed program. Taking into



account the real needs of local society, students are also introduced to the process of analysis and synthesis, and evaluation of large scale design problems as applied to large community projects (e.g. residential, commercial, convention, and health complexes).

### **ARC 460 Structures for Architects II**

*Credit Hours: 3*

*Prerequisite: ARC 330*

Strength of structural materials, design of tension & compression members, beams, slabs, and columns in both concrete and steel design.

### **ARC 470 Urban Design**

*Credit Hours: 3*

*Prerequisite: ARC 360*

This course introduces concepts and theories of urban design. It explores elements and structure and the tools needed for analysis and evaluation of urban space, project development, project management and presentation. The course will build skills fundamental to undertaking a wide variety of urban design efforts, including for example: design of streets and public places, shaping neighborhood form and function, and incorporating natural systems into the urban fabric.

### **ARC 510 Graduation Project II**

*Credit Hours: 6*

*Prerequisite: ARC 450*

A substantial work of design research presented as a short thesis report, entailing practical application to a researched topic of a specific building type (complex multi-use design problem). Project selection is based on the real needs of society. Methodology in architectural design through a process of programming. Literature review, data collection, statistics, case study critique, developed architectural program and schematic design

concept. Special consideration of social, environmental, cultural and traditional aspects in architectural design. Presentation is in a form of a report and preliminary project.

### **ARC 520 Research Methods and Programming**

*Credit Hours: 3*

*Prerequisite: ARC 410*

This course revisits the architectural design process with emphasis on the study of methods for gathering data and analysis of project information for the design synthesis.

### **ARC 530 Working Drawings II**

*Credit Hours: 3*

*Prerequisite: ARC 430*

This course focuses on the preparation of a complete set of working drawings for a medium size architectural project with emphasis on detailing. Drawings include plans, layouts, schedule, details, building systems such as architectural, structural as well as the integration of mechanical, electrical, and communication systems.

### **ARC 540 Sustainable Design**

*Credit Hours: 3*

*Prerequisite: ARC 410*

This course investigates the theory and practice of sustainability and the interrelated design methods and processes for sustainable architecture. It will study sustainable theory how it influences practice and informs design thinking. The "triple-bottom-line" or "three-E's" (Environment, Economy, and Equity) will be used as an organizing theme to connect theory to daily practice. Building rating systems such as LEED will be used to evaluate and enhance the sustainability of a given project.

### **ARC 550 Graduation Project II**

*Credit Hours: 6*

*Prerequisite: ARC 510*

Development of the schematic concept formulated during Graduation Project I. Development of design preliminary drawings in accordance with the Architectural design program formulated in Graduation Project I. Rendering and presentation of the design final drawings, using advanced CAAD application. A comprehensive experience closely related to professional practice of Architecture after graduation.

## **Professional Elective Courses**

### **Special Design Focus**

#### **ARC 581 Landscape Architecture**

*Credit Hours: 3*

*Prerequisites: ARC 210*

This course emphasizes the history and Development of Landscape Architecture in addition to understanding the contemporary landscape architecture, its various elements, materials, assemblies and their characteristics. The technology and methods of landscape design will also be covered. The complete process of landscape design as applied to complex projects in Landscape architecture will include the proposal, programming, analysis, concept development and final presentation of the design project. The Course will expose the students to drawings and detailing and develop an understanding of drawings for landscape architecture and the skill of creating specifications for landscape projects.

#### **ARC 584 Housing**

*Credit Hours: 3*

*Prerequisite: ARC 360*

Concepts of housing policies, developments and design. Site considerations and computations for accomplishing residential housing development projects. Real estate



development process. Site evaluation considerations include those relating to boundary surveys, topographic evaluation, soil analysis, traffic evaluation, hydrographic analysis, plus environmental, aesthetic, and cultural considerations.

### **ARC 585 Islamic Architecture**

*Credit Hours: 3*

*Prerequisite: ARC 220*

This course is an exploration of the history of Islamic cultures through their most vibrant creation: architecture. The course explores Islamic architecture both as a historical tradition and as a cultural catalyst that influenced and was influenced by the civilizations with which it came in contact. It surveys the sacred, commemorative, pious, and educational architecture in the Islamic world from the beginning of Islam as a religious revolution in 7th-century Arabia to its evolution as a global power straddling three continents, Asia, Africa, and Europe, in the medieval period to a world religion professed by one-sixth of humanity in the present.

### **ARC 588 Interior Architecture**

*Credit Hours: 3*

*Prerequisites: ARC 210*

This course is an introduction to architectural and interior design concepts, elements and principles of design, and basic concepts of space planning and furniture layout. Development of design vocabulary relative to architectural details, furnishings, and finishes. It will introduce terminology that helps clarify and amplify architectural and interior design thought and introduce students to careers in interior design.

### **Computer Application**

#### **ARC 582 3D Modeling**

*Credit Hours: 3 (1 lecture + 4 studio)*

*Prerequisite: ARC 280*

This course is designed to teach an advanced level of 3D modeling and animation for architects. Emphasis will be placed on building 3D world space representing various aspects of the built environment. It will allow students to build upon concepts such as complex geometries, light effects, materials, camera settings, physical motion, and modeling techniques, rendering, and post production.

#### **ARC 583 Building Information Modeling**

*Credit Hours: 3 (1 lecture + 4 studio)*

*Prerequisite: ARC 280*

This course explores Building Information Modeling (BIM) programs from Preliminary Design through Design Development, and into Construction Documents. It focuses on streamlining the design process with a central 3D model.

#### **ARC 591 Geographical Information Systems**

*Credit Hours: 3 (1 lecture + 4 studio)*

*Prerequisite: ARC 280*

Develop a solid understanding of the planning and public management uses of geographic information systems (GIS). The development and history of GIS, present applications of the technology. Essential elements of a Geographic Information System. Basic concepts and principles of Geographic Information Systems. Acquire technical skills in the use of GIS software; acquire qualitative methods skills in data and document gathering, analyzing information, and presenting results; and investigate the potential and practicality of GIS technologies in a typical planning setting and evaluate possible applications.

### **Management**

#### **ARC 586 Architectural Conservation**

*Credit Hours: 3*

*Prerequisite: ARC 260*

History of the conservation movement, international and local conservation programs, regulatory instruments, methods and techniques. Case studies. Conservation experience in UAE. This class examines the history and theory of historic conservation, focusing on the UAE, but with reference to traditions and practices in other countries, and explore how laws, public policies and cultural attitudes shape how we preserve or do not preserve the built environment.

#### **ARC 587 Project Management**

*Credit Hours: 3*

*Prerequisite: ARC 340*

Theories, methods and quantitative tools used to effectively plan, organize, and control construction projects; efficient management methods revealed through practice and research; hands-on, practical project management knowledge from on-site situations and field trips.

#### **ARC 590 Building Economics**

*Credit Hours: 3*

*Prerequisite: ARC 340*

This course covers the principles of economics and its application in the construction and building industry. It conveys an appreciation of macroeconomics, business and fiscal aspects of engineering practice. Attention is given to essential topics such as Market demand, Competition and monopoly, Macroeconomics, Government and fiscal policies, Labour economics and Building obsolescence.



# Bachelor of Science in Aviation

## Major Requirements

### **AVS 201 Private Pilot Operations**

*Credit Hours: 3*

*Prerequisite: AVS 209*

The course provides a critical cornerstone in the development of aeronautical knowledge relevant to flight operations. The course focuses on knowledge required at the single engine - private pilot level. Topics include aerodromes, performance, flight planning, decision making (in the operational context), weight and balance and airworthiness requirements.

### **AVS 321 Instrument Pilot Operations**

*Credit Hours: 3*

*Prerequisite: AVS 201*

The course provides a comprehensive overview of instrument flying operations. Topics covered include forecast analysis, IFR chart analysis, flight instruments, IFR in-flight operations (Departure, En-route and Arrival), instrument approaches, cockpit and crew management and IFR regulations.

### **AVS 421 Commercial Pilot Operations**

*Credit Hours: 3*

*Prerequisite: AVS 321*

The course provides a comprehensive study of commercial pilot operations. Topics covered are relevant to multi-engine flying in VFR and IFR environments and include flight instruments, aerodynamics, performance, navigation, weather (analysis and

decision making), chart use and regulations.

### **AVS 209 Aerodynamics**

*Credit Hours: 3*

*Prerequisite: NSC 201 + MTT 101*

The course aims to provide an introduction to aerodynamics. A wide range of principles are covered including wing theory, stall speed, performance criteria and drag. The theory is complemented with the application of aerodynamics to the specific problem of flying.

### **AVS 211 Aircraft Engines**

*Credit Hours: 3*

*Prerequisite: NSC 201*

This course aims to cover the fundamental theory and operating principles of aircraft gas turbine engines. Topics covered include history, various types, construction and design, systems and maintenance. The course concludes by applying theoretical knowledge in an examination of the IAE V2500 engine operated by Etihad Airways A320 series aircraft.

### **AVS 254 Aviation Law**

*Credit Hours: 3*

*Prerequisite: FWS 205*

This course introduces students to the UAE laws that pertain to aviation. The laws relevant to a variety of flight operations are covered and include the law of contracts, aviation documents, flight rules, aerodromes, airspace, air services, emergencies and the concept of negligence. The course completes the students' knowledge of the international regulatory environment with a study of international aviation.

### **AVS 310 Aircraft Performance**

*Credit Hours: 3*

*Prerequisite: AVS 209 + AVS 211*

This course provides a comprehensive study of the performance of aircraft powered

by piston, turboprop and jet engines. Topics covered include, stability and control, performance associated with various phases of flight, speeds, variables and the impact of aerodrome limitations on performance.

### **AVS 350 Flight Navigation**

*Credit Hours: 3*

*Prerequisite: AVS 310 + AVS 321*

This course provides a comprehensive study of the principles of navigation in high capacity jet transport operations. Topics covered include specific limits relevant to operations in airspace, extended diversion time operations, route selection in flight planning, regulatory issues relevant to navigation, communication, air services and flight deck navigation systems.

### **AVS 287 Crew Resource Management**

*Credit Hours: 3*

*Prerequisite: MGT 255 + FWS 210*

This course provides a comprehensive study of the organizational behavior, interpersonal relationships skills, behavioral aspects associated with professional flight crews. Although the course is targeted at future airline pilots, the course provides a platform for understanding the dynamics of crew management within the entire airline operating environment (including maintenance personnel, ground crew and cabin crew). The course uses previous CRM knowledge developed during flight training. Topics covered include the nature of CRM, CRM training applications, CRM Perspectives and the future of CRM. Theory is complemented with studies of recent cases citing CRM as critical to its outcome.





### **AVS 356 Systems and Components**

*Credit Hours: 3*

*Prerequisite: NSC 201*

The course provides an introductory overview to light aircraft systems and components. A variety of topics are covered to ensure students understand the importance of these systems, their operation and design and their impact of flight safety.

### **AVS 289 Airline Management**

*Credit Hours: 3*

*Prerequisite: MGT 255*

The aviation industry is a high cost undertaking relying on sophisticated technology in all areas of its business activities. There is a need for future aviation sector managers to understand this complex environment and the many management challenges and pitfalls that are present. As a result the combination of people, technology, training and finance need to work as a system that interacts to bring the traveling public a safe and affordable product. The correct management of these systems is imperative to the success of any airline. The course is designed to provide an insight into all management areas of the aviation business so that future managers have a broad perspective in a growing competitive and increasingly globalized industry.

### **AVS 415 Airport Operations**

*Credit Hours: 3*

*Prerequisite: No Prerequisite*

The course provides a foundation for understanding the key elements of airport operations including management, financing, regulation, risk mitigation and community impacts. Considering the recent and upcoming developments of airports and airport infrastructure in the UAE, an understanding of the importance of airports in airline operation and regional economics is critical for future professionals in the aviation

industry.

### **AVS 301 Introduction to Meteorology**

*Credit Hours: 3*

*Prerequisite: MTT1 01 + NSC 201*

The course provides an introduction to meteorology with relevance to aviation. Topics covered include the forces that drive the earth's weather systems, atmospheric properties, atmospheric stability, wind patterns, cloud and ice formation, thunderstorms and cyclones, aerodrome visibility, and severe weather systems. The course aims to develop knowledge of the hazards that various meteorological systems present to flight.

### **AVS 408 Flight Safety**

*Credit Hours: 3*

*Prerequisite: 80 Credit Hours*

This course is aims to provide students with the skills and knowledge necessary to develop an attitude and philosophy for accident prevention. The course introduces Threat and Error Management (TEM) and Airmanship as essential and on-going aviation disciplines. The course includes a review of concepts and examples associated with aviation hazards, defenses and losses. Understanding the impact of human behavior, error management and safety culture is also critical to this course.

### **AVS 401 Aviation Weather**

*Credit Hours: 3*

*Prerequisite: AVS 301*

The course provides a comprehensive study of significant weather hazards effecting aviation. Topics covered include aviation weather basics, atmospheric circulation systems and aviation weather hazards and applying weather knowledge.

### **AVS 357 Flight Physiology**

*Credit Hours: 3*

*Prerequisite: NSC 201 + FWS 210*

This course provides an overview of the human biology within the aviation environment. The course concentrates on the physiological aspects relevant to flight crew and includes topics such as anatomy and physiology, the atmosphere, the flight environment, lifestyle and disease and contemporary issues in aviation medicine.

### **AVS 380 Pilot Career Planning and Interviewing Techniques**

*Credit Hours: 2*

*Prerequisite: 60 Credit Hours*

The course aims to prepare students for a career as an airline pilot. Topics covered include beginning your career, job search, developing your CV, learning from others and preparing applications. The theory is combined with exposure to pilot interviewing techniques and aims to allow students to experience the recruitment process from the pilot and the airline perspective. The course concludes by encouraging students to continuously monitor the airline industry. The course is graded Pass/Fail.

### **AVS 399 Internship**

*Credit Hours: 2*

*Prerequisite: 90 Credit Hours*

### **AVS 435 Electronic Flight Management System**

*Credit Hours: 3*

*Prerequisite: AVS 310*

This course provides a comprehensive study of the theory and principles associated with flight management systems and flight with autopilot. Topics include area navigation systems, flight instrument systems, flight management systems, automatic flight control systems and warning and recording systems. Through simulator



exercises, students will be exposed to the decision making processes associated with the operation of these systems in flight.

### **AVS 472 Aviation Science of Multi-Crew Flight Operations**

*Credit Hours: 3*

*Prerequisite: AVS 287*

Considering the rapid pace and growth of technology and teamwork within air transport operations, this course provides an overview of the application and effective implementation the science of human factors in multi crew operations. Whilst the pre-requisite course AVS 287 provides the foundation for crew resource management including teamwork, leadership and communication, this course aims to extend the student's knowledge by considering the component and compounding effects applicable to multi-crew operations. The pre-requisite course also provides a platform for understanding the dynamics of crew management within the entire airline operating environment. However, this course aims to specifically amplify the application of CRM principles in the context of flight deck operations.

### **AVS 411 Jet Transport Systems**

*Credit Hours: 3*

*Prerequisite: AVS 356*

This course provides a comprehensive overview of turbojet systems with significant study of complex air carrier aircraft systems including the A320 series. A typical airline is also used as a case study to review procedures from a crew member's perspective.

### **AVS 410 Air Traffic Management**

*Credit Hours: 3*

*Prerequisite: MGT 255*

This course provides a comprehensive overview of the global and domestic air traffic

management environments, as the transition to the new Communications, Navigation and Surveillance/Air Traffic Management systems described in ICAO's Global Air Navigation Plan for CNS/ATM Systems is implemented. The course aims to integrate this knowledge into the student's professional flying career.

## **Bachelor of Science in Chemical Engineering**

### ***Degree Requirements***

#### **MTT 200 Calculus II**

*Credit Hours: 3*

*Prerequisite: MTT 102*

This course is a continuation of Calculus I. The course will concentrate on integral calculus. A recurring theme throughout the semester will be the relationship between an approximation and the exact value. The topics covered are; The Fundamental Theorems of Calculus, Techniques of Integration, Numerical Integration, Improper Integrals, Area, Volumes, Arc Length, and Average Values, Infinite Sequences and Series, and Applications in the field of science and engineering.

#### **MTT 201 Calculus III**

*Credit Hours: 3*

*Prerequisite: MTT 200*

This course is a continuation of the study of calculus. The course provides an introduction to the design, analysis. The topics covered are: introduction to vectors, vector calculus, partial derivatives, and multiple integrals.

#### **MTT 204 Introduction to Linear Algebra**

*Credit Hours: 3*

*Prerequisite: MTT 200*

This course is an introduction to Linear Algebra and some of its applications. The aim is to teach the fundamentals of linear algebra in a way that illustrates their relevance to engineering applications. An Introduction to Matrices and Systems of Linear Equations are given with other topics such as; Determinants, Linear Transformations, Eigenvectors and Eigenvalues and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available.

#### **MTT 205 Differential Equations**

*Credit Hours: 3*

*Prerequisite: MTT 200*

*Co-requisite: MTT 204*

The course will demonstrate the usefulness of ordinary differential equations (O.D.E.) for modeling physical and other phenomena. The topics covered are first and higher orders O.D.E, Laplace transform, applications of Laplace transform to initial value problems of O.D.E, systems of O.D.E and some engineering applications.

Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from a text form into a mathematical equation.

#### **PHY 102 Physics & Engineering Applications I**

*Credit Hours: 3*

*Prerequisites : MTT 102*

The course aim is to provide engineering and computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of





Motion, Work and Energy, Oscillatory Motion, Wave Motion, Sound Waves, and Superposition of Waves. Taken simultaneously with PHY 102L (1 credit hour).

### **PHY 102L Physics and Engineering Applications I Lab**

*Credit Hours: 1*  
*Pre-requisite: MTT 102*  
*Co-requisite: PHY102*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **PHY 201 Physics & Engineering Applications II**

*Credit Hours: 3*  
*Prerequisite: PHY 102*

The course is intended to provide engineering and computer science students with sufficient understanding and knowledge of physics concepts in Electricity and Magnetism that can be relevant to their field of study. The course is divided into two parts; Electricity and Magnetism. The topics covered are; electric field, Gauss's law, electric potential, capacitance and dielectrics, current and resistance, direct current circuits, magnetic fields, sources of magnetic field, Faraday's law, inductance, and alternating current circuits. Taken simultaneously with PHY 201L (1 credit hour).

### **PHY 201L Physics and Engineering Application II Lab**

*Credit Hour: 1*  
*Prerequisite: PHY 102*  
*Co-requisite: PHY 201*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding

of theoretical material presented in Phy201 (Electricity and Magnetism) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **CHE 205 General Chemistry I**

*Credit Hours: 3*  
*Pre-requisite: ENG 100*

Chemistry is the study of matter and interactions. This course introduces the principles of chemistry including; elements and their symbols, the periodic table, names and formulas of compounds, chemical reactions, balancing chemical equations, stoichiometry, and other major principles of organic and in-organic substances. Laws and applications will also be described in this course. This course gives the students a full idea about the basic definitions of chemistry, chemical interactions and laws, and characteristics of matter. Also, it reviews important algebraic concepts and introduces the use of these concepts in chemistry.

### **CHE 201L General Chemistry I Lab**

*Credit Hours: 1*  
*Co-requisite: CHE 205*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205.

### **CME 200 Introduction to Chemical Engineering**

*Credit Hours: 3*  
*Prerequisite: None*

An introduction to the chemical engineering profession, its history, and its career-enabling potential. The course contains selected topics, plant visits, and alumni seminars covering the full range of career opportunities from emerging areas

(nanotechnology, biochemical, multifunctional materials) to those found in the more traditional positions within the chemical, petrochemical, and petroleum industries. Further, introduction of computational tools Excel and MATLAB in programming environment.

### **CSC 201 Structured Programming**

*Credit Hours: 3*  
*Prerequisite: MTT 101 or MTT 102*

The main objective of this course is to provide students with the logic and tools required to develop structured software programs in C++. C++ is a challenging programming language that is based on both structured programming and object-oriented programming methodologies. However, this course focuses on structured programming as the main learning objective. It also serves as a preliminary foundation for learning the object-oriented programming methodology.

### **GEN 200 Engineering Economy**

*Credit Hour: 3*  
*Prerequisite: ENG200 + MTT 102*

This course gives students a working knowledge of making economic comparison of investment alternatives in Engineering Project Environment. The course includes the time value of money, methods of comparing alternatives from economic point of view studying rate-of return (ROR), Present Worth (PW), and Annual Equivalent (AE) approaches; breakeven and payback analysis; inflation, depreciation, replacement and cost-benefit analysis, enabling students to make suitable decisions in their professional life when they have to make a decision on an economical basis.

This course studies essential economy concepts for engineers such as:



Interest and money-time relationship, depreciation, basic concepts and methods for economic analyses and related studies, decision analysis, selection between alternatives and replacement problems and applications related to various construction projects. Ethical and other non-economic issues related to professional economic decisions are discussed.

### **CIV 402 Engineering Ethics**

*Credit Hours: 3*  
*Prerequisite: Senior level*

This course articulates an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers, especially those working within large organizations. This course considers issues such as the social responsibility of engineers, truth-telling and disclosure, whistle-blowing, professionalism, and risk-assessment. Through case study, this course will provide the tools to evaluate ethical decisions in the field of engineering.

## **Major Requirements**

### **CHE 206 General Chemistry II**

*Credit Hours: 3*  
*Prerequisite: CHE 205*

This higher course of chemistry is a continuation of CHE 205 and introduces the principles of chemistry including; elements, compounds and their configuration, geometry, chemical reactions, balancing chemical equations, stoichiometry, and other major principles of organic and in-organic substances. Laws and applications will also be described in this course. This course gives the students a full idea about the basic definitions of chemistry, chemical interactions and laws, and characteristics of matter. Also, it

reviews important algebraic concepts and introduces the use of these concepts in chemistry.

### **CHE 206L General Chemistry II Lab**

*Credit Hours: 1*  
*Prerequisite: CHE 205*  
*Co-requisite: CHE 206*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities of students to illustrate the principles and concepts of the course CHE 206.

### **CHE 305 Organic Chemistry**

*Credit Hours: 4*  
*Prerequisite: CHE 206*

This course will cover the chemistry of carbon compounds and their properties, structures and reactions. It will cover Chemical bonding, physical properties, stereochemistry, reaction mechanisms, and synthesis. The course will give the students a solid understanding of organic chemistry by stressing how fundamental reaction mechanisms function and reactions occur. Organic laboratory experiments are included in the course. Labs will be for two hours per week.

### **CHE 330 Physical Chemistry**

*Credit Hours: 3*  
*Prerequisite: CME 220 + CHE 206*

This course of Physical Chemistry reviews the properties of ideal and real gasses. The course gives a solid understanding of concepts of the first and second laws of thermodynamics and thermo-chemistry. Work, heat, internal energy, enthalpy, entropy and Gibbs energy are described in this course. The various principles of physical chemistry including solutions; colligative properties, thermodynamics of mixing and liquid mixtures are well explained.

This course gives the students a full idea about vapour pressure and temperature-composition diagrams. Phase diagrams for single-, double- and triple-component systems, types and orders of reactions, determination of some simple physical characteristics as melting point of solids, pH, viscosity and conductivity, electrochemistry, surface thermodynamics.

### **MEC 300 Materials Science**

*Credit Hours: 3*  
*Prerequisite: CHE 205*

An introduction to the structure and properties of materials and the processing routes utilized to optimize properties. All major classes of materials are covered, including metals, ceramics, composites, and polymers. Emphasis on the relationships between chemical bonding, crystal structure, phase equilibria, microstructure, and properties including electrical band structures, electron excitation events and semiconductors. Diffusion, kinetics of phase transformations, and microstructure development during basic processes.

### **CME 210 Principles of Chemical Engineering**

*Credit Hours: 4*  
*Prerequisite: CME 200*  
*Co-requisite: CHE 205*

The course includes the following content related to the application of physicochemical principles to problems in chemical and processing industries; mass balances on non-reactive systems; applications of reaction stoichiometry and mass balances on reactive systems; Orsat analysis; the use of thermodynamic data and general energy balances; and the use of heats of reaction and energy balance for reactive systems.



### **CME 220 Chemical Engineering Thermodynamics I**

*Credit Hours: 3*  
*Prerequisite: CME 210*

This course covers the following: Basic concepts of thermodynamics; Pressure Volume Temperature relationships of pure fluids and equations of state; First and second laws; Concepts of Entropy, Thermodynamic properties of pure fluids; Applications of energy balances and thermodynamics to flow processes; Production of power from heat, power cycles; Liquefaction and refrigeration.

### **CME 300 Chemical Engineering Thermodynamics II**

*Credit Hours: 3*  
*Prerequisite: CME 220 + MTT 205*

This course covers: Review of basic thermodynamics; Gibbs phase rule; Theory and application of solution thermodynamics; Vapor-liquid and liquid-liquid equilibrium for ideal and non-ideal systems; Chemical reaction equilibrium. Students will learn essentials of property estimation from software, for instance ASPEN-Plus or equivalent.

### **CME 301 Mass Transfer**

*Credit Hours: 3*  
*Prerequisite: CME 300 + CME 341*

This course covers: Molecular, convective and interphase mass transfer; Transport properties; Continuous and stage-wise mass transfer; absorption/stripping operations; Humidification/drying; Design of absorption/stripping equipment including hydrodynamic design (loading, flooding, column diameter and height).

### **CME 305 Modeling and Simulation in Chemical Engineering**

*Credit Hours: 2*  
*Prerequisite: CME 210 + CME 310*  
*Co-requisite: CME 331*

Many chemical engineering processes

lead to sets of linear and nonlinear algebraic equations. This course will focus on numerical methods for solving these types of problems. In addition, techniques for analyzing data to evaluate different models and to obtain model parameters will be developed. Students will learn how to evaluate whether the information provided is sufficient to solve steady-state material balances frequently encountered in process design. Students will be exposed to both mathematical software as well as process modeling software useful for solving process engineering problems and when each should be utilized.

### **CME 310 Fluid Mechanics for Chemical Engineers**

*Credit Hours: 3*  
*Prerequisite: CME 220*

This course covers: Fluid statics; Newtonian and non-Newtonian fluids; Bernoulli equation; Mechanical energy equation for viscous fluids; Dimensional analysis; Flow of fluids; Flow meters, Pumps and compressors; Two-phase flow, Fluid flow in porous media, Packed and Fluidized beds; Filtration; Agitation and mixing; Free and hindered settling.

### **CME 320 Chemical Engineering Laboratory I**

*Credit Hours: 1*  
*Prerequisite: CME 310 + CME 341 + CME 301*

This is the first of a two laboratory courses sequence covering the application of principles of chemical and process engineering: Thermodynamics; Fluid Mechanics, Heat transfer and Mass Transfer; Experimental planning, data acquisition and safety considerations are emphasized throughout the course.

### **CME 321 Process Dynamics and Control**

*Credit Hours: 3*  
*Co-requisite: CME 331*

This course covers principles of automatic control for chemical

processes: Unsteady state modeling; Laplace open loop and closed loop systems; Stability; Feedback/feed forward, and cascade controllers. It also covers instrumentation in chemical processes.

### **CME 331 Chemical Reaction Engineering**

*Credit Hours: 3*  
*Prerequisite: CHE 330 + MTT 205 + CME 341*

Fundamentals of chemical reaction engineering. Rate laws, kinetics, and mechanisms of homogeneous and heterogeneous reactions. Analysis of rate data, multiple reactions, heat effects, catalytic reactors, safety. Design of industrial reactors.

### **CME 341 Heat Transfer**

*Credit Hours: 3*  
*Co-requisite: CME 310*

This course aims at providing students with essential concepts of Heat Transfer. Topics covered include: Steady heat conduction, forced and natural convection, , principles of engineering thermal radiation, boiling and condensation. The course covers design of heat exchanger equipment including double pipe (hairpins), and shell and tube heat exchangers with emphasis on standards and specified constraints.

### **CME 400 Separation Processes**

*Credit Hours: 3*  
*Prerequisite: CME 301 + CME 305*

This course covers the fundamentals of mass transfer operations which result in separations required in Chemical Engineering. Examples of separation processes covered are: Distillation; Absorption/Stripping, liquid extraction. The material covers aspects of the design of the industrial equipment required for the particular separation process covered. Design constraints will be emphasized.



### **CME 430 Chemical Engineering Laboratory II**

*Credit Hours: 1*

*Prerequisite: CME 321 + CME 331 + CME 400*

This is the second of a two laboratory courses sequence covering the application of principles of chemical and process Engineering: Mass transfer; Separation processes; Reaction Engineering; Experimental planning, data acquisition and safety considerations are emphasized throughout.

### **CME 450 Process Design**

*Credit Hours: 3*

*Prerequisite: CME 331*

*Co-requisite: CME 400*

Process Design involves the synthesis, integration, and design of chemical engineering processes. This is a three-hour course which is intended to introduce students to the fundamentals and applications of process design. The course presents systematic process-integration tools for the synthesis, development, and screening of potential process flowsheets. It reinforces equipment design of common process equipment. The principles of process economics including evaluation of fixed and operating costs, depreciation, and profitability analysis will be covered.

### **CME 498 Capstone Design Project I (Capstone)**

*Credit Hours: 1*

*Prerequisite: Senior Level including CME 301, CME 321 and CME 331*

This course incorporates the integration of material from other chemical engineering courses with applications to the design of plants and processes representative of the chemical, biological, and related industries bounded by design constraints, namely economic, environmental, manufacturer and technical and scientific.

### **CME 499 Capstone Design Project II**

*Credit Hour: 2*

*Pre-requisite: CME 498*

A continuation of CME 498.

## **Major Elective**

### **Gas Processing and Petrochemicals**

#### **CME 460 Natural Gas Processing**

*Credit Hours: 3*

*Prerequisite: CME 301*

This course introduces different techniques for processing natural gas. Topics include properties and behavior of natural gas using equations of state, hydrate formation, field treatments including dehydration, sour gas sweetening, sulfur recovery, and liquefaction. Design of main processing equipment will be studied.

#### **CME 461 Petroleum Refining Processes**

*Credit Hours: 3*

*Prerequisite: CHE 305 + CME 341 + CME 331*

This course covers crude oil and its properties and processes involved in refineries: Atmospheric and vacuum fractionation; Catalytic cracking; Thermal cracking, Hydro-cracking, Steam reforming; Isomerization, alkylation, Absorption; etc. It also covers selected petrochemical industries; Design of processes.

#### **CME 462 Chemical Process Industries**

*Credit Hours: 3*

*Prerequisite: CHE 305 + CME 331*

This course introduces students to the processes that chemical engineers use in chemical industries. Specific focus will be made on processes used in the following industries:

Petrochemical, Water/sewage treatment, Fertilizer, LNG, Soap and detergent, Cement, Food processing, Glass, Electromechanical, Plastics, Perfumes, and Pharmaceutical. Field trips to local facilities will be made to provide students with a better understanding of how the processes are integrated into various industries

#### **CME 463 Corrosion Engineering**

*Credit Hours: 3*

*Prerequisite: CHE 330*

This course introduces electrochemical principles and their application to corrosion of materials and corrosion control. Topics covered include thermodynamics and kinetics of corrosion, corrosion mechanisms, corrosion inhibition and electrochemical protection of metals. Case studies from oil and gas production and processing industries are also included.

#### **CME 464 Chemical Process Safety**

*Credit Hours: 3*

*Prerequisite: CME 301*

Applications of engineering principles to process safety and hazards analysis, mitigation, and prevention, with special emphasis on the chemical process industries; includes source modeling for leakage rates, dispersion, analysis, relief valve sizing, fire and explosion damage analysis, hazards identification, risk analysis, accident investigations.

#### **CME 465 Process Heat Transfer**

*Credit Hours: 3*

*Prerequisite: CME 341 + MEC 300*

This course covers design of heat transfer equipment for chemical processes including: Heat exchangers; Condensers; Cooling towers; Evaporators; Process furnace; Reboiler. Computer simulations are emphasized. Design constraints including first and second law of thermodynamic, manufacture, mechanical and materials.



## **Polymer and Materials**

### **CME 470 Introduction to Polymer Science and Engineering**

*Credit Hours: 3*

*Prerequisite: CHE 305 + CHE 330*

Definitions, industry overview, nomenclature, basic organic chemistry of polymers, polymerization, molecular weight and molecular weight distribution. Basic polymer structure and thermo-mechanical behavior and structure property relationship. Mechanical properties, definitions, viscoelasticity, other mechanical properties. Basic rheology and introduction to polymer processing techniques, recycling.

### **CME 471 Polymer Chemistry and Reaction Engineering**

*Credit Hours: 3*

*Prerequisite: CHE 305 + CHE 330*

This course provides an introduction to the chemistry of polymerization and the polymer manufacturing process. It begins with basic concepts about polymers and polymerization and covers each major type of polymerization with relevant kinetics. The qualitative effect of reactor design on polymer manufacture is discussed as well as actual polymer manufacturing processes including those taking place in the UAE.

### **CME 472 Polymer Properties, Testing and Characterization**

*Credit Hours: 3*

*Prerequisite: CME 470*

Review and discussion of the properties of polymers with emphasis on structure-property-correlations. The principles and practical applications of the main techniques used for polymer characterization will be discussed. Some applications of polymers in relationship to their properties are illustrated.

### **CME 473 Polymer Processing and Material Design**

*Credit Hours: 3*

*Prerequisite: CME 471*

Introduction to the properties of polymers, their characterization techniques and the methods used to processes polymeric materials.

## **Water Treatment and Desalination**

### **CME 480 Water Treatment and Membrane processes**

*Credit Hours: 3*

*Prerequisite: CME 301 + CHE 330*

This course deals with the fundamental principles and practical applications of membrane processes in water and wastewater treatment facilities. The topics covered in this course are water chemistry, membrane structure and performance, membrane transport, concentration polarization, membrane fouling and fouling characterization in relation to water and wastewater engineering. Applications of nano-filtration (NF)\*, ultra-filtration (UF)\*, micro-filtration (MF)\*, reverse osmosis (RO)\* electro-dialysis, and pervaporation membranes in various water and wastewater treatment facilities will be discussed.

### **CME 481 Thermal Desalination**

*Credit Hours: 3*

*Prerequisite: CME 341 + CME 300*

This course aims to study industrial thermal desalination processes. Phase Rule and Equilibria, Thermodynamics and Colligative Properties, Scales and Chemical Treatment, Multi-Effect Desalination Systems, Multi Stage Flash Desalination Systems, Mechanical and Thermo-Vapor Compression Systems, Dual Purpose Plants.

### **CME 482 Membrane Desalination**

*Credit Hours: 3*

*Prerequisite: CME 480*

Theory of reverse osmosis. Membrane types and preparation. Models for membrane transport. Module and process design. Process parameters, Process optimization. Concentration polarization and fouling. Turbulence

promoters and back-flushing. Pre-treatment methods for RO desalination. Equipment design and economics for seawater and brackish water desalination.

### **CME 483 Industrial Wastewater Treatment**

*Credit Hours: 3*

*Prerequisite: CME 301*

Definitions, characteristics, survey and monitoring of industrial wastewater. Legislation guidelines, and standards. Treatment processes: volume and strength reduction, neutralization, and equalization, removal of suspended and colloidal solids, removal of dissolved organics. Combined treatment of industrial wastewater with domestic sewage. Treatment economics.

## **Biotechnology**

### **CME 490 Chemical Engineering Biology**

*Credit Hours: 3*

*Prerequisite: CHE 330*

This course deals with the fundamentals of molecular biology and biotechnology applications. The main topics covered in this course are fundamentals of biology and biotechnology, engineering principles in biotechnology, molecular biotechnology.

### **CME 491 Biochemical Engineering**

*Credit Hours: 3*

*Prerequisite: CME 490*

Biochemical Engineering. Biochemical processes, thermodynamics, and kinetics are used in the application of engineering principles to analyze, design, and develop processes using biocatalysts. Processes of interest include those that are involved in the formation of desirable compounds and products or in the transformation, or destruction of unwanted or toxic substances.



### **CME 492 Biochemical Treatment**

*Credit Hours: 3*

*Prerequisite: CME 490*

This course emphasizes on the biological treatment of wastes: constituents in wastewater, fundamentals of biological treatment, aerobic and anaerobic systems, attached and suspended treatment processes, process selection, and advanced wastewater treatment.

### **CME 493 Biofuels Technology**

*Credit Hours: 3*

*Prerequisite: CME 490 + CME 331*

This course provides an overview of the technologies available for biofuels production. The topics covered include (a) Biodiesel: advantages of biodiesel over petroleum diesel, convention biodiesel production technologies, enzymatic biodiesel production and new feedstock, (b) Bioethanol: advantages of bioethanol, fermentation processes, and production of bioethanol from cellulose.

## Bachelor of Science in Civil Engineering

### **Degree Requirements**

### **CHE 205 General Chemistry I**

*Credit Hours: 3*

*Prerequisites: ENG 200*

Chemistry is the study of matter and interactions. This course introduces the principles of chemistry including; elements and their symbols, the periodic table, names and formulas of compounds, chemical reactions, balancing chemical equations, stoichiometry, and other major principles of organic and in-organic

substances. Laws and applications will also be described in this course. This course gives the students a full idea about the basic definitions of chemistry, chemical interactions and laws, and characteristics of matter. Also, it reviews important algebraic concepts and introduces the use of these concepts in chemistry.

### **CHE 201L General Chemistry I Lab**

*Credit Hours: 1*

*Prerequisite: ENG 200*

*Co-requisite: CHE 205*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205.

### **CIV 402 Engineering Ethics**

*Credit Hour: 3*

*Prerequisite: Senior Level*

This course articulates an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers, especially those working within large organizations. This course considers issues such as the social responsibility of engineers, truth-telling and disclosure, whistleblowing, professionalism, and risk-assessment. Through case study, this course will provide the tools to evaluate ethical decisions in the field of engineering.

### **GEN 200 Engineering Economy**

*Credit Hour: 3*

*Prerequisite: ENG 200 + MTT 102*

This course gives students a working knowledge of making economic comparison of investment alternatives in Engineering Project Environment. The course includes the time value of money, methods of comparing alternatives from economic point

of view studying rate-of return (ROR), Present Worth (PW), and Annual Equivalent (AE) approaches; breakeven and payback analysis; inflation, depreciation, replacement and cost-benefit analysis, enabling students to make suitable decisions in their professional life when they have to make a decision on an economical basis.

This course studies essential economy concepts for engineers such as:

Interest and money-time relationship, depreciation, basic concepts and methods for economic analyses and related studies, decision analysis, selection between alternatives and replacement problems and applications related to various construction projects. Ethical and other non-economic issues related to professional economic decisions are discussed.

### **GOL 205 Physical Geology**

*Credit Hour: 3 (2 lecture+ 1 lab)*

*Prerequisite: ENG 200*

Origin of the Earth and its shells; composition of the Earth's crust and oceans, and their geological characteristics; primary and secondary structures; internal geological processes; plate tectonics and the relation of geological events to it. External geological processes; stratigraphic columns, details of the geological time scale and case studies of geological ages and their palaeogeographic distribution; climate; important biological aspects.

### **MTT 200 Calculus II**

*Credit Hour: 3*

*Prerequisite: MTT 102*

This Calculus II course builds upon Calculus I whose purpose was to establish a firm understanding of the foundations of calculus and their applications. It will start with some functions seen in Calculus I. Then, students will be introduced to the concepts of Transcendental Functions, Integration Technique, infinite Series and power Series.





Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from text form into a mathematical equation.

### **MTT 201 Calculus III**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is a continuation of the study of calculus II. The purpose was to establish a firm understanding of multi-dimensional aspects of calculus and its applications. The topics covered are: An introduction to vectors and geometry of space, partial derivatives, and multiple integrals.

Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from text form into a mathematical equation.

### **MTT 204 Introduction to Linear Algebra**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is an introduction to Linear Algebra and some of its applications. The aim is to teach the fundamentals of linear algebra in a way that illustrates their relevance to engineering applications. An Introduction to Matrices and Systems of Linear Equations are given with other topics such as; Determinants, Vectors in Two and Three Dimensions, Vector Spaces, Linear Transformations, Eigenvectors and Eigenvalues and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available

### **MTT 205 Differential Equations**

*Credit Hour: 3*

*Prerequisite: MTT 200*

*Co-requisite: MTT 204*

The course will demonstrate the usefulness of ordinary differential

equations (O.D.E.) for modeling physical and other phenomena. The topics covered are first and higher orders O.D.E, Laplace transform, applications of Laplace transform to initial value problems of O.D.E, systems of O.D.E and some engineering applications.

Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from a text form into a mathematical equation.

### **PHY 102 Physics and Engineering Applications I**

*Credit Hour: 3*

*Prerequisite: MTT 102*

The course aim is to provide engineering and computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of Motion, Work and Energy, Oscillatory Motion, Waves Motion, Sound Waves and Superposition of Waves. Taken simultaneously with PHY 102L (1 credit hour) prerequisite MTT 102 + PHY 102 Co-requisite.

### **PHY 102L Physics and Engineering Applications I Lab**

*Credit Hours: 1*

*Prerequisite: MTT 102*

*Co-requisite: PHY 102*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **PHY 201 Physics and Engineering Application II**

*Credit Hour: 3*

*Prerequisite: PHY 102*

The course is intended to provide engineering and computer science students with sufficient understanding and knowledge of physics concepts in Electricity and Magnetism that can be relevant to their field of study. The course is divided into two parts; Electricity and Magnetism. The topics covered are; electric field, Gauss's law, electric potential, capacitance and dielectrics, current and resistance, direct current circuits, magnetic fields, sources of magnetic field, Faraday's law, inductance.).

### **PHY 201L Physics and Engineering Application II Lab**

*Credit Hour: 1*

*Prerequisite: PHY 102*

*Co-requisite: PHY 201*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in Phy201 (Electricity and Magnetism) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

## **Major Requirements**

### **CIV 102 Computer Aided Drawing**

*Credit Hour: 3*

*Prerequisite: No Prerequisite*

This course is an introduction to computer graphics, geometric construction and line convention. It includes orthographic projections, isometric, dimensioning, sectional views, and preparation of drawings for different civil engineering projects including concrete and steel structures.



## **CIV104 Introduction to Civil Engineering**

*Credit Hour: 3*

*Prerequisite: MTT 102*

*Pre or Co-requisite: ENG 200*

This course introduces students to the study and practice of civil engineering; specialized sub-disciplines of civil engineering; professionalism and professional registration; engineering ethics; introduction to static and dynamic equilibrium; computer-aided engineering and mathematical computing; exercises in engineering technical communications. Introduction to the concepts of engineering design in the hot and humid environment of the Gulf region. Sample engineering design project.

## **CIV 201 Statics**

*Credit Hour: 3*

*Prerequisite: PHY 102*

This course intends to bring to the students understanding of the basic force concepts in structures. It also studies the necessary equilibrium of forces and how structures can remain stable. The course also enables the students to analyze distributed forces; find centroids; locate moments of inertia and prepare the necessary moment and shear diagrams that are essential for structural force analyses.

## **CIV 205 Introduction to Geomatics**

*Credit Hour: 3*

*Prerequisite: MTT 102 + STT 100 + CIV 104*

This course covers plane surveying, topographical surveying, horizontal and vertical curves, topographic surveys, construction surveys, earthwork, route surveying. Use of specialized software for earthwork calculations, site grading, site layout, adjusting measured quantities, calculating coordinates and areas, and locating points for design grades and planned roadways. Mathematical topics for surveying and

construction including probability, error and precision; matrix operations; allocation theory; network analysis; and constraint based optimization. Applications of global positioning systems and geographical information systems to civil engineering projects. Brief coverage of the fundamental concepts of the systems.

## **CIV 206 Mechanics of Materials**

*Credit Hour: 3*

*Prerequisite: CIV 201*

The course presents elementary analysis of deformable solids subjected to force systems; concepts of stress and strain; one, two and three-dimensional stress-strain relationships for the linear elastic solid; statically determinate and indeterminate axial force, torsion and bending members; stress transformations, pressure vessels, combined loadings; and an introduction to column buckling.

## **CIV 242 Fluid Mechanics**

*Credit Hour: 3*

*Prerequisite: CIV 201 + MTT 200*

This is the first course in Water Resources Engineering. The course covers the following topics: fluid properties; fluid statics and motion, pressure and force under hydrostatic conditions, manometers, buoyancy and stability of floating and submerged bodies, mass, energy and momentum conservation laws; dimensional analysis and modeling; fluid measurements. Taken simultaneously with CIV242L (1 credit hour).

## **CIV 313 Construction Materials**

*Credit Hour: 3*

*Prerequisite: CHE 205 + CIV 206*

The course introduces the physical properties and engineering characteristics of major civil engineering materials with a special focus on concrete technology and steel. This course teaches manufacturing and properties of Portland cement, steel and mineral

aggregates. In addition, it teaches the mechanical properties and durability of Portland cement concrete, and miscellaneous construction materials. Material testing is also conducted. Taken simultaneously with CIV313L (1 credit hour).

## **CIV 314 Structural Analysis**

*Credit Hour: 3*

*Prerequisite: CIV 206*

Types of loads on structures; calculation of reactions; stability and determinacy of structures, analysis of statically determinate structures trusses, beams and frames; analysis of basic cables and arches, influence lines and moving loads; deflection analysis using geometric and energy approaches; analysis of indeterminate frames using software.

## **CIV 316 Structural Systems**

*Credit Hour: 3*

*Prerequisite: CIV 314*

This course introduces students to the concept of load path and load distribution in structural systems; gravity and lateral force resisting systems with emphasis on steel and concrete buildings; structural systems for different types of structures such as cable-stayed bridges and suspension bridges. The course emphasizes classical and approximate methods of structural analysis for statically indeterminate structural frames; computer methods for analysis of statically indeterminate structures.

This course introduces students to different type of structural systems for a building and bridge. It includes concepts of safe load-path in structural systems, load distribution in structural systems, identification of structural elements in load-path for gravity and lateral force-resisting systems with emphasis on steel and concrete buildings, analysis of statically indeterminate structures using force methods, displacement methods, approximate methods, , computer methods for analysis of statically indeterminate structures





using modern software tools used in analysis of structural systems.

### **CIV 318 Reinforced Concrete Design I**

*Credit Hour: 3*

*Prerequisite: CIV 314 + CIV 313*

A course that teaches the behavior, strength, and design of reinforced concrete members subjected to moment, shear, and axial forces. In addition, it is an introduction to the design of reinforced concrete structures.

### **CIV 324 Geotechnical Engineering**

*Credit Hour: 3*

*Prerequisite: CIV 206*

*Co-requisite: GOL 205*

This course presents the description, identification, and engineering classification of soils. The basic principles and mechanics of flow of water through soils, deformation and strength of soils, and the processes of consolidation and compaction are also presented, along with effective stress concepts, stress and settlement analyses, and evaluation of shear strength. Finally, methods of analysis and geotechnical engineering design concepts are discussed. Taken simultaneously with CIV324L (1 credit hour).

### **CIV 331 Highway Engineering**

*Credit Hour: 3*

*Prerequisite: CIV 205*

The objective of this course is to provide basic understanding of highway design principles, including geometric design and pavement design and management. The first section covers geometric design of highways, including the principles of horizontal and vertical alignments and cross-section design of highways; intersection design and roundabouts. The second section covers pavement design and management, including the design of both flexible and rigid pavements, design of overlays as well as drainage design. The students

will also be introduced to computer applications relevant to course materials.

### **CIV 332 Fundamentals of Transportation Engineering**

*Credit Hour: 3*

*Prerequisite: CIV 205*

This course covers the analysis and design of fundamental transportation system components, such as highways and traffic systems, individual vehicle motion, basic elements of geometric design, pavement design, vehicle flow and elementary traffic flow relations, capacity analysis, forecasting travel demand, traffic impact analysis, and evaluating transportation alternatives.

### **CIV 343 Hydraulics**

*Credit Hour: 3 (2 lecture + 1 lab)*

*Prerequisite: CIV 242*

Fluid properties; mass, energy and momentum conservation laws; dimensional analysis and modeling; laminar and turbulent flows; surface and form resistance; flow in pipes and open channels; elementary hydrodynamics; fluid measurements; characteristics of hydraulic machines.

### **CIV 352 Fundamentals of Environmental Engineering**

*Credit Hour: 3*

*Prerequisite: CHE 2015+ CIV 242*

This course provides an overview of contaminants in water, air and terrestrial environments; the effect of human activity on environmental quality and regulatory standards; and environmental chemistry and microbiology. An introduction to water and wastewater treatment, air quality control, solid and hazardous waste management is also presented.

### **CIV 362 Construction Management**

*Credit Hour: 3*

*Prerequisite: ENG 200*

This course offers insight into the best

practices in managing construction projects both buildings and heavy civil. It covers a project's life cycle, organization, contract administration, scheduling, budgeting, financing, and controlling. Discusses also safety and the risks involved in construction.

### **CIV 399 Internship**

*Credit Hour: 3*

*Prerequisite: Completing 105 Credit Hours*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course is intended to be a breakthrough experience in exposing student to the organizational work culture and the nature of business complexities.

### **CIV 401 Numerical Methods**

*Credit Hour: 3*

*Prerequisite: MTT 204 + MTT 205*

A course that deals with the application of numerical methods in solving civil engineering problems. Topics covered include: mathematical modeling and error analysis, solution of linear and nonlinear equations, numerical differentiation and integration, optimization, curve-fitting, and solution of ordinary differential equations. The course also provides students with a hands-on introduction to mathematical programming using MATLAB.

### **CIV413 Structural Steel Design**

*Credit Hour: 3*

*Prerequisite: CIV 314*

A course that covers the design and behavior of structural steel members and their connections subjected to moment, shear, and axial forces. It is a typical first course on design of steel structures with emphasis on Load and Resistance Factor Design



Method.

### **CIV 421 Foundation Engineering**

*Credit Hour: 3*

*Prerequisite: CIV 324*

This course presents: Subsurface exploration, types of shallow foundations, bearing capacity of foundations, settlements, design of isolated footings, special types of footings, rectangular combined and strap footings, lateral earth pressure and retaining walls; introduction to Pile foundation.

### **CIV 442 Hydrology and Urban Water Systems**

*Credit Hour: 3*

*Prerequisite: CIV 343*

This course provides an introduction to engineering hydrology and the design elements of urban storm water systems. This includes the effects of watershed development on quantity and quality of surface runoff and stream flow. The practical applications of hydrology encountered in this course include urban storm water management, flood control and groundwater engineering.

### **CIV497 Civil Engineering Project I**

*Credit Hour: 1*

*Prerequisite: Senior Status*

The course is team-based project to design a civil engineering system and components or to solve a civil engineering problem. Project theme or problem addressed may be in any of the traditional civil engineering areas and/or may address a contemporary issue. Project teams will continue working on the project in a second semester by enrolling in CIV498. Written reports and oral presentations are mandatory.

### **CIV498 Civil Engineering Project II**

*Credit Hour: 3*

*Pre-requisite: CIV 497*

A continuation of CIV 497.

## **Major Elective**

### **CIV 405 Sustainability in the Built Environment**

*Credit Hour: 3*

*Prerequisite: CIV 362*

Introduction to sustainable design and construction. Introduction to the different climate zones. Topics include the design process for high-performance sustainable buildings. Other topics include high-performance building design strategies, green building materials, environmental quality issues, health and safety planning, and economic analysis of green buildings. Students will also be introduced to the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) standards, the characteristics and influences of climatic conditions on the natural and built environments, the responses to different climatic conditions, the optimization of building performance to meet human thermal comfort requirements, and real-life applications on the local environments in the UAE.

### **CIV 403 Fundamentals of Geographical Information System**

*Credit Hour: 3*

*Prerequisite: CIV 205*

This course traces the origins and development of GIS, outlining the differences between GIS and the related technologies of digital mapping, provides a clear understanding and management of common GIS database systems. The different models that GIS employs to represent real-world entities are reviewed (Earth-map relationship, map projection, coordinate systems, raster, vector). Elements of graphic design and communication are reviewed with the intention of ensuring results are comprehensible and effectively portrayed.

Introduction to hardware, software, and methods of data collection is provided. Applications of GIS in the different fields of civil engineering are emphasized.

### **CIV 430 Traffic Engineering**

*Credit Hour: 3*

*Prerequisite: CIV 332*

The objective of this course is to provide basic understanding of traffic engineering and traffic control system design with an emphasis on highway capacity analysis, design of traffic signals and Intelligent Transportation systems (ITS). The students will also be introduced to computer applications relevant to course materials.

### **CIV 416 Matrix Methods of Structural Analysis**

*Credit Hour: 3*

*Prerequisite: CIV 316*

This course deals with the matrix analysis of structures using the stiffness (or displacement) method. It starts with a review of matrix algebra, then addresses the formulation of 2-D and 3-D stiffness matrices of linear elements in local coordinates such as beam, truss and frame elements. Derivation of local-to-global transformation matrices of these elements is covered, then assembling the structural stiffness matrix, the global nodal force vector, and solving the stiffness equations for nodal displacements is covered. Finally, calculation of member end forces and support reactions is presented. Specialized structural analysis software is utilized to help students understand how commercial software on structural analysis works.

### **CIV 418 Reinforced Concrete Design II**

*Credit Hour: 3*

*Prerequisite: CIV 318*

The course introduces the behavior and design of reinforced concrete members subjected to moment, shear, and axial forces. Emphasis is



on the ultimate strength method of design.

### **CIV 490 Special Topics in Civil Engineering**

*Credit Hour: 3*

*Prerequisite: Senior Status*

Course covers topics in the civil engineering discipline that are generally not available in the regular civil engineering course offering. Specific topic covered in a particular semester will be announced and included in the course syllabus at the time of offering.

# Bachelor of Science in Computer Engineering

## **Degree Requirements**

### **CEN 200 Introduction to Electrical & Computer Engineering**

*Credit Hour: 3*

*Prerequisite: MTT 101 or equivalent*

This course provides a general cross-section overview of the electrical and computer engineering fields. Students receive a good foundation of knowledge upon which to build their later courses such as basic circuit theory and power, digital systems, computer architecture, signal processing, and communications. Moreover, students are introduced to key skills needed in the profession from an electrical and computer engineering perspective such as technical report writing, delivering presentations, technical software use, and factoring their ethical responsibilities in their professional decisions.

### **CIV 402 Engineering Ethics**

*Credit Hour: 3*

*Prerequisite: Senior Level*

This course articulates an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers, especially those working within large organizations. This course considers issues such as the social responsibility of engineers, truth-telling and disclosure, whistleblowing, professionalism, and risk-assessment. Through case study, this course will provide the tools to evaluate ethical decisions in the field of engineering.

### **CSC 201 Structured Programming**

*Credit Hour: 3*

*Prerequisite: MTT 101 or MTT 102*

The main objective of this course is to provide students with the logic and tools required to develop structured software programs in C++. C++ is a challenging programming language that is based on both structured programming and object-oriented programming methodologies. However, this course focuses on structured programming as the main learning objective. It also serves as a preliminary foundation for learning the object-oriented programming methodology. The material for this course includes: Introduction to Computers and C++ Programming, Control Structures (loops and conditions), Functions, Arrays, Pointers and Strings and the notion of algorithms for solving problems.

### **CSC 202 Object Oriented Programming**

*Credit Hour: 3*

*Prerequisite: CSC 201*

Object-oriented programming offers greater reliability, maintainability and reusability than structured programming. This course follows on from Structured Programming and introduces the concepts of Object

Orientated Programming. It develops the basic skills necessary to develop software application programs in C++ using objected oriented principles and concepts.

The course presents the main principles of Objected Oriented Programming: data abstraction, objects and classes, inheritance, and polymorphism. Students should have a core foundation of structured programming principles in order to progress smoothly and effectively in this course.

### **CSC 301 Data Structures and Algorithms**

*Credit Hour: 3*

*Prerequisite: CSC 202*

This course builds on the Prerequisites of Structured Programming and Object Oriented Programming and is a comprehensive introduction to data structures. Arrays, stacks, queues, linked lists, trees, graphs and their associated operations will be introduced. Complexity analysis for algorithms described for different kinds of data structures are also explained. Operationally, applications of data structures to searching and sorting algorithms will be incorporated into programming assignments as will complexity analysis. Programming assignments are crucial component of the course.

### **CSC 303 Digital Logic Design**

*Credit Hour: 3*

*Prerequisite: CEN 200*

The course addresses the basics of digital logic technology. It focuses on theoretical and practical issues of the logic circuitry. The Course covers the fundamental topics associated with digital system design, ranging from binary information to system controllers. The course focuses on system representation, design methodology, computer-based design tools, and practical issues. Students gain an appreciation for a diversity of real-world issues as well as hands-on experience with logic design, including



a team project. The course emphasizes solving problems and interpreting the results. The instructional approach is a combination of lecture, discussion, experiential exercises, and small-group work.

### **CSC 305 Data Communications and Networks**

*Credit Hour: 3*

*Prerequisite: Junior Level*

This course provides an introduction to modern data communications and computer networks. It presents data communications fundamentals and computer networking methods, using the ISO 7-layer reference model to organize the study. Attention will be focused on the protocols of the physical, data link control, network, and transport layers, for local and wide area networks. The course examines in detail analog and digital signaling, analog and digital conversions, data link control, detection & correction, multiplexing, local area networks (LANs), circuit switching, packet switching, network protocols & standards, and error.

### **MTT 200 Calculus II**

*Credit Hour: 3*

*Prerequisite: MTT 102*

This course is a continuation of Calculus I. The course will concentrate on differential calculus. A recurring theme throughout the semester will be the relationship between an approximation and the exact value. The topics covered are; The Fundamental Theorems of Calculus, Techniques of Integration, Numerical Integration, Improper Integrals, Area, Volumes, Arc Length, and Average Values, Differential Equations, Infinite Sequences and Series, and Applications in the field of science and engineering.

### **MTT 201 Calculus III**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is a continuation of the study of calculus II. The purpose was

to establish a firm understanding of multi-dimensional aspects of calculus and its applications. The topics covered are: An introduction to vectors and geometry of space, partial derivatives, and multiple integrals.

Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from text form into a mathematical equation.

### **MTT 202 Discrete Mathematics**

*Credit Hour: 3*

*Prerequisite: STT 100*

Basic language and ideas of discrete mathematics that occur in all branches of computer science and information technology. Boolean algebra and its applications to logic and switching theory. Sets, relations, and functions, trees and graphs, algorithms, and induction.

### **MTT 204 Introduction to Linear Algebra**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is an introduction to Linear Algebra and some of its applications. The aim is to teach the fundamentals of linear algebra in a way that illustrates their relevance to engineering applications. An Introduction to Matrices and Systems of Linear Equations are given with other topics such as; Determinants, Linear Transformations, Eigenvectors and Eigenvalues and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available.

### **MTT 205 Differential Equations**

*Credit Hour: 3*

*Prerequisite: MTT 200*

*Co-requisite: MTT 204*

The course will demonstrate the usefulness of ordinary differential equations (O.D.E.) for modeling physical and other phenomena.

The topics covered are first and higher orders O.D.E, Laplace transform, applications of Laplace transform to initial value problems of O.D.E, systems of O.D.E and some engineering applications. Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from a text form into a mathematical equation.

### **PHY 102 Physics and Engineering Applications I**

*Credit Hour: 3*

*Prerequisite: MTT 102*

The course aim is to provide engineering and computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of Motion, Work and Energy, Oscillatory Motion, Waves Motion, Sound Waves and Superposition of Waves. Taken simultaneously with PHY 102L (1credit hour) prerequisite MTT 102 + PHY 102 Co-requisite.

### **PHY 102L Physics and Engineering Applications I Lab**

*Credit Hours: 1*

*Prerequisite: MTT 102*

*Co-requisite: PHY 102*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **PHY 201 Physics and Engineering Application II**

*Credit Hour: 3*

*Prerequisite: PHY 102*

The course is intended to provide engineering and computer



science students with sufficient understanding and knowledge of physics concepts in Electricity and Magnetism that can be relevant to their field of study. The course is divided into two parts; Electricity and Magnetism. The topics covered are; electric field, Gauss's law, electric potential, capacitance and dielectrics, current and resistance, direct current circuits, magnetic fields, sources of magnetic field, Faraday's law, inductance, and alternating current circuits. Taken Simultaneously with PHY 201L (1credit hour) prerequisite PHY 102 + PHY 201 Co-requisite.

### **PHY 201L Physics and Engineering Application II Lab**

*Credit Hour: 1*  
*Prerequisite: PHY 102*  
*Co requisite: PHY 201*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in Phy201 (Electricity and Magnetism) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **STT 201 Intermediate Statistics and Research Methods in Business**

*Credit Hour: 3*  
*Prerequisite: STT 100*

This is an application oriented course that covers the basic inferential statistics topics. This course will expand upon the methods and concepts learned in STT100 to make statistical inference on parameters of several populations, and students also will learn "Regression Analysis" and its applications in business and economics. Students will be taught how to use a statistical software package(s) as learning tools in data analysis. Moreover, this course focuses on research methods: research processes, research design, data sources, data collection and

data analysis.

## **Major Requirements**

### **CEN 201 Electric Circuits**

*Credit Hour: 3*  
*Prerequisite: CEN 200 or PHY 201*

This is the first course in the Computer Engineering or Electrical Engineering programs on electric circuits. It teaches the fundamentals of electrical circuit theory and its application to direct and alternating current circuits. Whilst MTT 102 is the formal pre-requisite to this course, general knowledge of personal computers and operating systems will be beneficial.

### **CEN 304 Electronic Devices and Circuits**

*Credit Hour: 3*  
*Prerequisite: CEN 201*

This course introduces the fundamentals and essential topics for the study of electronics circuits. Topics covered include: diodes, Bipolar Junction Transistors (BJTs), Field Effect Transistors (FETs), and Operational Amplifiers (Op Amps). The device structure and its physical operation leading of its terminal characteristics will be covered. The course will also treat the use of equivalent circuit models that describe the operation of these devices and how they can be used to design circuits that provide important electronic functions.

### **CEN 305 Microprocessor and Firmware Programming**

*Credit Hour: 3*  
*Prerequisite: CSC 201*

This course will provide an introduction to embedded computer systems in order to expose students to computer engineering topics. During this course, students will develop a basic understanding of embedded computer system

architecture, learn to program embedded computer systems, and learn how simple I/O devices are controlled by microprocessors. Lectures and labs will be used to ensure that the concepts of embedded systems are understood.

### **CEN 320 Signals and Systems**

*Credit Hour: 3*  
*Prerequisite: MTT 205*

This course will provide a foundation to other courses that deal with signal and system concepts directly or indirectly such as communication, control, instrumentation, etc. The concepts in this course are also useful to students of disciplines other than computer and electrical engineering since signal and system analysis is required in many branches of engineering and science, for example, mechanical engineering, chemical engineering, aerospace engineering, biomedical engineering and data analysts.

### **CEN 399 Internship**

*Credit Hour: 3*  
*Prerequisite: Completed 90 Credit Hours or more*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **CEN 405 Embedded Networks**

*Credit Hour: 3*  
*Prerequisite: CEN 305*  
*Co requisite: CSC 305*

This course introduces concepts of hardware and firmware design for communicating over a network.





A hands-on approach is used throughout the course to ensure good understanding of the course material. Students will learn how to meet the networking and application needs of embedded systems in spite of their hardware and software limitations of small devices. At the end of the course students will gain theoretic and practical experiences that they can immediately utilize to design and implement real life projects.

### **CEN 415 Embedded Linux System Design**

*Credit Hour: 3*

*Prerequisite: CEN 405*

*Co requisite: CSC 308*

This course introduces the complete development cycle of Embedded Linux System, teaches the knowledge to create an embedded Linux foundation, and extends this foundation to interfacing application designs. Linux offers reliability, features, open-source code, and a proven track record; these features make it perfectly suited for embedded system design. Topics covered include how to use and develop Embedded Linux products using ARM7 devices, including the production of a live target system. Students will take home their own developed Embedded Linux System. The course is designed to teach a wide range of applications from routers to embedded control systems and interfaces.

### **CEN 450A Computer Engineering Design Project I**

*Credit Hour: 3*

*Prerequisite: Senior Level*

The objective of this course is to provide guided experience in wide areas of computer and electrical engineering to student teams working on design projects. The projects will integrate various engineering skills into operational engineering prototypes. The projects will emphasize problem definition,

design conceptualization, modeling, fabrication and system integration in software and hardware aspects. This course is part of a two course series spanning one full academic year. In this course students identify a problem and propose a computer engineering solution to it.

### **CEN 450B Computer Engineering Design Project II**

*Credit Hour: 3*

*Prerequisite: CEN 450A*

The objective of this course is to provide guided experience in wide areas of computer and electrical engineering to student teams working on design projects. The projects will integrate various engineering skills into operational engineering prototypes. The projects will emphasize problem definition, design conceptualization, modeling, fabrication and system integration in software and hardware aspects. This course is part of a two course series spanning one full academic year. In this course students design, implement, and test the solution they proposed in CEN450A.

### **CEN 464 Digital Signal Processing**

*Credit Hour: 3*

*Prerequisite: CEN 320*

This course is concerned with signals and systems; specifically processing of digital and/or discrete time signals using linear time invariant systems and digital signal processing - DSP. The design and the implementation of DSP are introduced via a mini-project to provide hands-on experience. This course builds upon concepts that students have learned in Calculus, Linear algebra and signals and systems and competency of MATLAB and C++. It is the student's responsibility to come to class equipped with the knowledge provided in those courses. Students will be tested at the beginning of the semester on these concepts.

### **CEN 466 Advanced Digital System Design**

*Credit Hour: 3*

*Prerequisite: CSC 303 or EEN 210*

In this course students will study the combinational logic circuit design techniques, sequential logic circuits, registers and counters, memory, and state machines. Parallel to the lectures, students will develop experimental skills by studying various digital design techniques during laboratory sessions. The experimental setup will be based on Field Programmable Gate Array (FPGA) structure, and students will experience schematic and hardware description language (HDL) design tools.

### **CSC 304 Microprocessor Architecture and Assembly Language**

*Credit Hour: 3*

*Prerequisite: CSC 303 or EEN 210*

This course introduces Computer Organization and Assembly Language.

The organization and architecture of modern computer with emphasis on microprocessors Assembly language, operating system services, instruction execution, addressing techniques, and digital representation of data. Assembly systems, macros and linkage. This course introduces the student to microprocessor architecture and assembly language programming. The course deals with the logical development of assembly language programs with appropriate program documentation. Machine language will also be explored. Professional programming and debugging tools are used throughout the course. Laboratory work includes writing several programs for various applications.

### **CSC 308 Operating Systems**

*Credit Hour: 3*

*Prerequisite: CSC 301*

Operating systems are essential in modern computer systems, from very small computing devices such



as embedded systems for cell phones, personal digital assistants (PDA's) and MP3 players to larger computers such as personal computers, workstations, clusters, and supercomputers. An operating system has two fundamental tasks: to manage a computer's resources (i.e. CPU cycles, memory, disk, network, interface, etc.) and to provide applications with an abstract interface to these resources so that they are relatively easy to use.

This course introduces students to the concepts and principles of operating systems design and to the prevailing techniques for their implementation. The course requires students to be already familiar with the structure of a user-program after it has been converted into an executable form and that they have some rudimentary understanding of the performance trade-offs inherent in the choice of algorithms and data structures. The course will cover operating systems concepts including process management, memory management, file and file system management, and introduces distributed operating systems. Two concrete examples of operating systems are used to illustrate how the principles and techniques are deployed in practice.

### **CSC 311 JAVA Programming for the Internet**

*Credit Hour: 3*  
*Prerequisite: CSC 201*

This course provides a comprehensive introduction to JAVA programming. Students will have completed courses on structured (CSC201) before undertaking this course. This course provides an introduction to Java Programming. Topics include creating a Java application and applet, manipulating data using methods, decision making and repetition with reusable objects, arrays, loops, and layout managers using external classes, creating

menus and button arrays using the abstract windows, swing interfaces with sorting and searching, writing data to a sequential data file, using collections and strings in a reusable class, understanding abstract classes and interfaces, accessing databases using JDBC, sockets and threads.

### **CSC 408 Computer Networks and Distributed Systems**

*Credit Hour: 3*  
*Prerequisite: CSC 305*

This course teaches how the Internet and other computer networks operate. Principles of computing networks and distributed computing including hardware infrastructures, data transmission and packetization, network topologies, network protocols, internetworking, network application architectures, and their integration into a comprehensive computing system are presented. Both hardware and software aspects of these systems are covered.

## **Major Elective**

### **Application Development**

#### **CSC 302 Database Management Systems**

*Credit Hour: 3*  
*Prerequisite: MTT 202*

This course is about databases, and in particular, relational databases. Relational databases are by far the most common type of database in use today with well known products such as Microsoft Access, SQL Server, Oracle, Ingres, Sybase, MySQL and Postgress; all of these are based on the relational model. Even most of the object-oriented databases, such as Oracle Version 8 and above, are in fact an object-relational hybrid with the relational database remaining the essential underlying system.

#### **CSC 307 Web Design**

*Credit Hour: 3*  
*Prerequisite: CSC 201*

This course will focus upon the essentials of Internet programming, specifically on the competencies of designing and writing WWW pages in HTML, Java script, and shell scripting languages.

The Internet and the Web have revolutionized the way people communicate and organizations do business. The business environment of today demands that ICT professionals know how to establish and maintain an interactive and dynamic web site. In this course, students gain the knowledge needed to develop a well-designed web site. They learn the fundamentals of HTML syntax and layout, creating effective web pages, configuring a web server, writing client-side JavaScript, integrate JavaScript into web pages and create an interactive and dynamic web site.

#### **CSC 401 Software Engineering I**

*Credit Hour: 3*  
*Prerequisite: CSC 301*

An introduction to the process of developing software systems. Topics include Software engineering: product, process, methods, tools, life cycles, software life-cycle models, quality factors, requirements analysis and specification, management: project planning, scheduling, tracking, Unified development process, Conventional vs. O-O methods, Analysis concepts, UML Class and other structural diagrams, UML behavioral diagrams, software design (functional design and object-oriented design), implementation, testing, and management of large software projects.



## **ITE 408 Information Security**

*Credit Hour: 3*

*Prerequisite: CSC 305*

This course builds on understanding of Data Communications and Networks and introduces students to information and computer security. It will cover theory and practice for the design of secure systems (formal modeling, hardware and compiler-enforced safety, software engineering processes, tamper-resistant and tamper-reactive hardware, firewalls, cryptography, and more). It will also discuss how and why each of these techniques fails. An important component of the course will be a survey of modern topics in computer security, including protection, access control, distributed access control, Windows security, applied cryptography, network security, firewalls, secure coding practices, safe languages, cryptographic protocols, privacy and anonymity, and mobile code. Case studies from real-world systems will also be analyzed.

## **ITE 421 Mobile Applications**

*Credit Hour: 3*

*Prerequisite: CSC 201*

This course provides basic knowledge and understanding of mobile applications design and implementation. The course also examines the internal mechanisms by which mobile applications are built in different mobile device environments.

The aim of this subject is to enable students to understand the basic principles and architectures mobile and wireless applications within mobile computing environments. The course looks at mobile device technologies and industrial standards, mobile computing environments (J2ME, Symbian, Android,...), as well as mobile application development process. It also looks at recent development in this area such as Location based

services and mobile web. By carrying out laboratory work and small group projects, students will have a practical knowledge and experience in developing specific mobile applications.

## **Networking, Mobile, and Security**

### **ITE 402 Computer Networks: Design and Implementation**

*Credit Hour: 3*

*Prerequisite: CSC 305*

This course is designed to provide students with the knowledge required to create a logical network design and suggest alternative physical implementations of this design. The objective is to learn how to design local, campus, metropolitan, or wide area networks and the connection to the Internet. Topics covered in this course include: Identifying customer's needs and goals, Logical network design, Addressing and routing architecture, Network management architecture, Physical network design, Testing, optimizing, and documenting a network design.

## **ITE 408 Information Security**

*Credit Hour: 3*

*Prerequisite: CSC 305*

This course builds on understanding of Data Communications and Networks and introduces students to information and computer security. It will cover theory and practice for the design of secure systems (formal modeling, hardware and compiler-enforced safety, software engineering processes, tamper-resistant and tamper-reactive hardware, firewalls, cryptography, and more). It will also discuss how and why each of these techniques fails. An important component of the course will be a survey of modern topics in computer security, including protection, access control, distributed access control, Windows security, applied cryptography, network security, firewalls, secure

coding practices, safe languages, cryptographic protocols, privacy and anonymity, and mobile code. Case studies from real-world systems will also be analyzed.

## **ITE 420 Wireless and Mobile Networks**

*Credit Hour: 3*

*Prerequisite: CSC 305*

The presence of wireless links and/or mobile endpoints poses a set of special requirements on network architectures and protocols. For example, mobility management protocols are needed for mobile location management and handoff management. This course teaches the principles behind the protocols needed in wireless and mobile networks. This includes MAC (Medium Access Control), DHCP (Dynamic Host Configuration Protocol), mobile location management, mobile handoff management, and authentication protocols. Network architectures and protocols used in wireless/mobile networks such as mobile IP, cellular networks, GSM, IEEE 802.11, GPRS, WAP, etc. will also be covered.

## **ITE 421 Mobile Applications**

*Credit Hour: 3*

*Prerequisite: CSC 201*

This course provides basic knowledge and understanding of mobile applications design and implementation. The course also examines the internal mechanisms by which mobile applications are built in different mobile device environments.

The aim of this subject is to enable students to understand the basic principles and architectures mobile and wireless applications within mobile computing environments. The course looks at mobile device technologies and industrial standards, mobile computing environments (J2ME, Symbian, Android,...), as well as mobile application development process.





It also looks at recent development in this area such as Location based services and mobile web. By carrying out laboratory work and small group projects, students will have a practical knowledge and experience in developing specific mobile applications.

### **ITE 422 Network Administration**

*Credit Hour: 3*  
*Prerequisite: CSC 305*

This course is designed to provide students with the knowledge required to administer and suggest alternative strategies for the configuration, operation and monitoring of networks. Students will be made aware of the key factors that have impacts on network administration. They will also learn techniques and tools essential for the tasks for the planning, design, installation, operation and troubleshooting of networks.

### **Hardware and VLSI Design (Microelectronics)**

#### **EEN 471 Introduction to Microelectronics**

*Credit Hour: 3*  
*Prerequisite: CEN 304*

This course introduces the fundamentals and essential topics for the study of microelectronic circuits. Topics covered include: Semiconductor technology for integrated circuits, physical layout, modeling for analog and digital design, circuit simulation.

The device structure and its physical operation will be covered. The course will also treat the use of equivalent circuit models that describe the operation of these devices and how they can be used to design integrated circuits.

#### **EEN 472 Analog and Digital Integrated Circuit Design**

*Credit Hour: 3*  
*Prerequisite: CEN 304*

This course introduces students to the design of CMOS analog and digital integrated circuits. It covers the design, and simulation of CMOS analog and digital integrated circuits. At first, current mirrors, voltage and current references, amplifiers, and differential amplifiers are presented. The second section of the course is dedicated to the design and layout of the inverter, static logic gates, digital clocked circuits, and the implementation of logic functions on a chip.

#### **EEN 473 Radio Frequency Integrated Circuit Design**

*Credit Hour: 3*  
*Prerequisite: CEN 304*

This course deals with the analysis and design of Radio Frequency (RF) integrated circuits and systems. It covers the design of RF building blocks: low-noise amplifiers and mixers, oscillators and power amplifiers.

#### **CEN 468 Computer Organization and Design**

*Credit Hour: 3*  
*Prerequisite: CSC 304*

This course emphasizes the hierarchical structure of computer systems. It covers such topics as: components of computer systems and their configuration, design of basic digital circuits, the microprogram level, the conventional machine level, the operating system level, assembly language, addressing modes, interpreters/translators, computer arithmetic. The course also introduces computer architecture and focuses on studying the computer components, system buses, internal and external memories, interfacing processors and peripherals, computer arithmetic, interrupts, pipelining and instruction sets. It also discusses the interaction between the computer hardware and the operating system, and provides an overview of assemblers and linkers.

#### **EEN 481 Biomedical Integrated Circuit Design**

*Credit Hour: 3*  
*Prerequisite: CEN304*

Biomedical microelectronics targeting wearable devices and implantable applications like drug delivery pumps, pacemakers, nerve stimulators, and other such medical devices, is a incessantly growing field. This course emphasizes on the design of low-power analog and digital integrated circuit systems for biomedical applications.

## Bachelor of Science in Electrical Engineering

### ***Degree Requirements***

#### **CEN 200 Introduction to Electrical and Computer Engineering**

*Credit Hour: 3*  
*Prerequisite: MTT 101 or equivalent*

This course provides a general cross-section overview of the electrical and computer engineering fields. Students receive a good foundation of knowledge upon which to build their later courses such as basic circuit theory and power, digital systems, computer architecture, signal processing, and communications. Moreover, students are introduced to key skills needed in the profession from an electrical and computer engineering perspective such as technical report writing, delivering presentations, technical software use, and factoring their ethical responsibilities in their professional decisions.



## **CHE 205 General Chemistry I**

*Credit Hours: 3*

*Pre-requisite: ENG 200*

Chemistry is the study of matter and interactions. This course introduces the principles of chemistry including; elements and their symbols, the periodic table, names and formulas of compounds, chemical reactions, balancing chemical equations, stoichiometry, and other major principles of organic and in-organic substances. Laws and applications will also be described in this course. This course gives the students a full idea about the basic definitions of chemistry, chemical interactions and laws, and characteristics of matter. Also, it reviews important algebraic concepts and introduces the use of these concepts in chemistry.

## **CHE 201L General Chemistry I Lab**

*Credit Hours: 1*

*Prerequisite: ENG 200*

*Co-requisite: CHE 205*

This course introduces the principles and concepts of chemistry with the emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205.

## **CIV 402 Engineering Ethics**

*Credit Hour: 3*

*Prerequisite: Senior Level*

This course articulates an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers, especially those working within large organizations. This course considers issues such as the social responsibility of engineers, truth-telling and disclosure, whistleblowing, professionalism, and risk-assessment. Through case study, this course will provide the tools to

evaluate ethical decisions in the field of engineering.

## **CSC 201 Structured Programming**

*Credit Hour: 3*

*Prerequisite: MTT 101 or MTT 102*

The main objective of this course is to provide students with the logic and tools required to develop structured software programs in C++. C++ is a challenging programming language that is based on both structured programming and object-oriented programming methodologies. However, this course focuses on structured programming as the main learning objective. It also serves as a preliminary foundation for learning the object-oriented programming methodology.

## **GEN 200 Engineering Economy**

*Credit Hour: 3*

*Prerequisite: ENG 200 + MTT 102*

This course gives students a working knowledge of making economic comparison of investment alternatives in Engineering Project Environment. The course includes the time value of money, methods of comparing alternatives from economic point of view studying rate-of return (ROR), Present Worth (PW), and Annual Equivalent (AE) approaches; breakeven and payback analysis; inflation, depreciation, replacement and cost-benefit analysis, enabling students to make suitable decisions in their professional life when they have to make a decision on an economical basis.

This course studies essential economy concepts for engineers such as:

Interest and money-time relationship, depreciation, basic concepts and methods for economic analyses and related studies, decision analysis, selection between alternatives and replacement problems and applications related to various

construction projects. Ethical and other non-economic issues related to professional economic decisions are discussed.

## **MTT 200 Calculus II**

*Credit Hour: 3*

*Prerequisite: MTT 102*

This course is a continuation of Calculus I. The course will concentrate on differential calculus. A recurring theme throughout the semester will be the relationship between an approximation and the exact value. The topics covered are; The Fundamental Theorems of Calculus, Techniques of Integration, Numerical Integration, Improper Integrals, Area, Volumes, Arc Length, and Average Values, Differential Equations, Infinite Sequences and Series, and Applications in the field of science and engineering.

## **MTT 201 Calculus III**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is a continuation of the study of calculus. The course provides an introduction to the design, analysis. The topics covered are: introduction to vectors, vector calculus, partial derivatives, and multiple integrals.

## **MTT 204 Introduction to Linear Algebra**

*Credit Hour: 3*

*Prerequisite: MTT 200*

This course is an introduction to Linear Algebra and some of its applications. The aim is to teach the fundamentals of linear algebra in a way that illustrates their relevance to engineering applications. An Introduction to Matrices and Systems of Linear Equations are given with other topics such as; Determinants, Linear Transformations, Eigenvectors and Eigenvalues and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available.



## MTT 205 Differential Equations

*Credit Hour: 3*

*Prerequisite: MTT 200*

*Co-requisite: MTT 204*

The course will demonstrate the usefulness of ordinary differential equations (O.D.E.) for modeling physical and other phenomena. The topics covered are first and higher orders O.D.E, Laplace transform, applications of Laplace transform to initial value problems of O.D.E, systems of O.D.E and some engineering applications. Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from a text form into a mathematical equation.

## PHY 102 Physics & Engineering Applications I

*Credit Hour: 3*

*Prerequisite: MTT 102*

The course aim is to provide computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of Motion, Work and Energy, Oscillatory Motion, Wave Motion, Sound Waves, and Superposition of Waves. Taken simultaneously with PHY 102L (1credit hour) prerequisite MTT 102 + PHY 102 Co-requisite.

## PHY 102L Physics and Engineering Applications I Lab

*Credit Hours: 1*

*Prerequisite: MTT 102*

*Co-requisite: PHY102*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental

data.

## PHY 201 Physics & Engineering Applications II

*Credit Hour: 3*

*Prerequisite: PHY 102*

The course is intended to provide computer science students with sufficient understanding and knowledge of physics concepts in Electricity and Magnetism that can be relevant to their field of study. The course is divided into two parts; Electricity and Magnetism. The topics covered are; electric field, Gauss's law, electric potential, capacitance and dielectrics, current and resistance, direct current circuits, magnetic fields, sources of magnetic field, Faraday's law, inductance, and alternating current circuits. Taken Simultaneously with PHY 201L (1credit hour) prerequisite PHY 102 + PHY 201 Co-requisite.

## PHY 201L Physics and Engineering Application II Lab

*Credit Hour: 1*

*Prerequisite: PHY 102*

*Co requisite: PHY 201*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in Phy201 (Electricity and Magnetism) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

## Major Requirements

### CEN 201 Electric Circuits

*Credit Hour: 3*

*Prerequisite: CEN 200 or PHY 201*

This is the first course in the Computer and Electrical Engineering Program on electric circuits. It teaches the fundamentals of electrical circuit theory and its application to practical

direct and alternating current circuits. Whilst MTT 102 is the formal pre-requisite to this course, general knowledge of personal computers and operating systems will be beneficial.

## CEN 304 Electronic Devices and Circuits

*Credit Hour: 3*

*Prerequisite: CEN 201*

This course introduces the fundamentals and essential topics for the study of electronics circuits. Topics covered include: diodes, Bipolar Junction Transistors (BJTs), Field Effect Transistors (FETs), and Operational Amplifiers (Op Amps). The device structure and its physical operation leading of its terminal characteristics will be covered. The course will also treat the use of equivalent circuit models that describe the operation of these devices and how they can be used to design circuits that provide important electronic functions.

## CEN 305 Microprocessor and Firmware Programming

*Credit Hour: 3*

*Prerequisite: CSC 201*

This course will provide an introduction to embedded computer systems to expose students to computer engineering topics. During this course, students will develop a basic understanding of embedded computer system architecture, learn to program embedded computer systems, and learn how simple I/O devices are controlled by microprocessors. Lectures and labs will be used to ensure the concepts on embedded systems are understood.

## CEN 320 Signals and Systems

*Credit Hour: 3*

*Prerequisite: MTT 205*

The course is designed to teach a basic theory of signals and linear systems with continuous and discrete time, and to



introduce the student to the idea of signal and system analysis and characterization. Students will learn the concept of linear continuous-time and discrete-time signals and systems, their classification, and analysis and design using mathematical models. Topics include: Continuous and discrete time signals and systems; Spectral analysis in continuous time - Fourier series and Fourier transform; Systems with continuous time; Sampling and reconstruction; Bode Plot; Z-transform and solutions to difference equations; Discrete-time signals and their frequency analysis; Discrete Fourier series and Discrete-time Fourier transform; Discrete systems. MATLAB simulation tools will be used in the course.

### **CSC 305 Data Communications and Network**

*Credit Hour: 3*  
*Prerequisite: Junior Level*

This course provides an introduction to modern data communications and computer networks from the physical to the transport layers. Topics include data transmission, data encoding, transmission media, data communication interfaces, data link control, multiplexing, spread spectrum, local area networks (LANs), circuit switching, packet switching, and cellular wireless networks.

### **EEN 210 Digital Circuits**

*Credit Hour: 3*  
*Prerequisite: CEN 200*

This is a foundation course in digital design. Topics such as number systems, basic logic gates, TTL device parameters, logic circuit simplification techniques, timing analysis, the application combinational logic devices, gates, multiplexers, demultiplexers, decoders, adders, multipliers, ALUs, flip-flops, synchronous state

machines and counters are covered.

### **EEN 220 Electric Circuits II**

*Credit Hour: 3*  
*Prerequisite: CEN 201*

Review of transient response of first order and second order circuits. Instantaneous Power, Average power and RMS values, Active and Reactive Power. Three Phase Circuits and Power Distribution systems: Configuration of Different Three phase Systems, Three phase Power, Power factor Correction. Magnetically Coupled Circuits: Mutual Inductance, Dot Convention, Energy stored, Ideal Transformers. Frequency Response: Network Functions, Resonance Circuits. Two port networks: Admittance Parameters, Impedance Parameters and Hybrid Parameters.

### **EEN 360 Electronics Circuits**

*Credit Hour: 3*  
*Prerequisite: CEN 304*

The course covers low and high frequency models for transistors. Small-signal analysis and design of single-stage MOSFET amplifiers. Small-signal analysis and design of single-stage BJT amplifiers. Frequency response characteristics of amplifiers. Multistage amplifiers: Small signal analysis and Frequency response characteristics of multistage amplifiers. Negative feedback: Properties and the four basic feedback topologies. Wave shaping: Basic principles of Sinusoidal Oscillators, Op Amp-RC Oscillator circuits, LC and crystal Oscillators, Multi-vibrators, and Voltage controlled oscillators (VCO). Output stages and power amplifiers: Classification stage.

### **EEN 330 Random Signals and Noise**

*Credit Hour: 3*  
*Prerequisite: CEN 320*

The course will begin with a brief review of probability theory. The random process will then be defined.

This will be followed by a discussion of stationary processes, correlation functions and power spectral densities. The effect of linear (and non-linear) operations on random signals will also be discussed. Define important random processes such as Gaussian processes (including white Gaussian noise) and band limited random processes, and some of their important properties. Discuss some practical applications of random processes and noise in different fields, e.g., communications.

### **EEN 335 Introduction to Communication systems**

*Credit Hour: 3*  
*Prerequisite: CEN 320*

This course covers sensors and Signal analysis: Fourier series representation, properties of Fourier transform, power spectrum, and Dirac delta function. Signal distortion over a communication channel. Bandwidth of typical communication channels. Principles of modulation: Amplitude modulation (AM), double sideband (DSB), single sideband (SSB), vestigial sideband (Television); Angle modulation: frequency modulation (FM), phase modulation (PM); preemphasis, deemphasis; frequency division multiplexing (FDM). Sampling, quantizing, and Pulse Code Modulation (PCM): Time Division Multiplexing (TDM), PAM, PDM, and PPM.

### **EEN 336 Communication systems**

*Credit Hour: 3*  
*Prerequisite: EEN 330 + EEN 335*

Signal space analysis. Optimum receivers for digital communication. Maximum a posteriori and maximum likelihood detection. Matched filter and correlation receiver. PAM, QAM, PSK, FSK, and MSK and their performance. Introduction to equalization, synchronization, information theory, and error control codes.



### **EEN 338 Electromagnetic Fields and Waves**

*Credit Hour: 3*

*Prerequisite: MTT 205 + PHY 201*

*Co Requisite: MTT 201*

This course covers the fundamentals of applied electromagnetics and emphasizes the practical applications in Electrical Engineering systems. It deals with the study of static electric fields in vacuum and dielectrics, conductors, capacitance, electrostatic energy and forces, Poisson's equation, static magnetic fields, Biot-Savart law, Ampere's law, vector magnetic potential, inductance, Maxwell's equations for time varying fields, Faraday's law, plane wave propagation, time-harmonic fields, propagation in lossless and lossy media, and wave reflection and transmission at normal incidence, transmission lines and their lumped-element model, transmission line input impedance, and power flow on lossless and lossy transmission line.

### **EEN 340 Energy Conversion**

*Credit Hour: 3*

*Prerequisite: EEN 338 + EEN 220*

Reviews phasor diagrams and three-phase circuits; Electromechanical energy conversion principles, Transformers; Single phase transformer, three phase transformer, Distribution transformer. Machine classification, AC machines, DC machines concepts; DC machine fundamentals, voltage/torque induction, commutation, windings, power losses and analysis, interpoles compensating windings, DC motor starting; AC machine fundamentals, rotating magnetic field, MMF and flux distribution, induced voltage/torque, power flow and losses; Polyphase synchronous generator, speed, equivalent circuit, phasor diagram, power and torque analysis, transients, operation of synchronous motors; Induction motor, concepts, equivalent circuit, power, torque, speed analysis, motor

starting, induction generator; Single phase induction motor, single phase synchronous motor, stepper motor, brushless DC motor.

### **EEN 345 Power Systems**

*Credit Hour: 3*

*Prerequisite: EEN 220*

Long-distance transmission of electric power with emphasis on admittance and impedance modeling of components and systems, mathematical models of three phase ideal and actual faults and superposition method applied in a three-phase power systems; power flow studies and calculations, symmetrical and unsymmetrical fault calculations, economic operation of large-scale generation and transmission systems, control the real and reactive power flows, load flow analysis. Power system stability and protection. Emphasis on applications of computer-based methods to power-system problems.

### **EEN 365 Control System**

*Credit Hour: 3*

*Prerequisite: MTT 204 + CEN 320*

This course is intended to introduce students to concepts and techniques of classical control and to briefly introduce some concepts of modern control and discrete-time. The main goal is to enable students to analyze, design, and synthesize linear control systems. Students will become familiar with analytical methods and will be exposed extensively to the use of computers for analysis and design of control systems.

### **EEN 399 Internship**

*Credit Hour: 3*

*Prerequisite: 90 credit hours*

The course covers low and high This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training.

The plan will be devised jointly by the site-supervisor and college-supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **EEN 450A Computer Engineering Design Project I**

*Credit Hour: 3*

*Prerequisite: Senior Level*

The objective of this course is to provide guided experience in wide areas of computer and electrical engineering to student teams working on design projects. The projects will integrate various engineering skills into operational engineering prototypes. The projects will emphasize problem definition, design conceptualization, modeling, fabrication and system integration in software and hardware aspects. This course is part of a two course series spanning one full academic year. In this course students identify a problem and propose an electrical engineering solution to it.

### **EEN 450B Computer Engineering Design Project II**

*Credit Hour: 3*

*Prerequisite: EEN 450A*

The objective of this course is to provide guided experience in wide areas of computer and electrical engineering to student teams working on design projects. The projects will integrate various engineering skills into operational engineering prototypes. The projects will emphasize problem definition, design conceptualization, modeling, fabrication and system integration in software and hardware aspects. This course is part of a two course series spanning one full academic year. In this course students design, implement, and test the solution they proposed in EEN450A.





## Major Elective

### Communications

#### **EEN 430 Radiowave Propagation**

*Credit Hour: 3*

*Prerequisite: EEN 338 + EEN 335*

Review of time varying fields and Maxwell's equations and plane wave propagations. Electromagnetic spectrum; receiver systems; reflection, refraction, diffraction and scattering of waves; ground waves, sky waves, tropospheric waves and space waves; precipitation effects on propagation of waves; satellite and microwave communication links.

#### **EEN 433 Antenna Engineering**

*Credit Hour: 3*

*Prerequisite: EEN 338 + EEN 335*

An introduction to the theory and applications of antennas. Antenna fundamentals, patterns, directivity, gain, impedance, polarization. Electrically small dipoles and loops, arrays, line sources, resonant antennas, and broadband antennas.

#### **EEN 435 Wireless Communications**

*Credit Hour: 3*

*Prerequisite: EEN 335*

Principles of wireless communication analysis and design. Digital communication basics, cellular radio, wireless PCS communications, multiple access techniques, channel coding and equalization, and standards of digital cellular/PCS systems, wireless LAN, Mobile ad hoc network.

#### **EEN 437 Communication Circuits**

*Credit Hour: 3*

*Prerequisite: EEN 336 + EEN 360*

Analysis and design of circuits used in communication systems. Topics include RF semiconductor devices, low-noise amplifiers, mixers,

modulators, crystal oscillators, AGC circuits, high-power RF amplifiers, phase-locked loops, impedance matching, and frequency-selective networks and transformers.

#### **CEN 464 Digital Signal Processing**

*Credit Hour: 3*

*Prerequisite: CEN 320*

This course is concerned with signals and systems, specifically, processing of digital and/or discrete time signals using linear time invariant systems, hence digital signal processing - DSP. The design and the implementation of DSP are introduced via a mini-project to provide hands-on experience.

### Power Systems and Renewable Energy

#### **EEN 440 Power Electronics**

*Credit Hour: 3*

*Prerequisite: EEN 360*

Principles of power electronics. Including understanding of power semiconductor devices, passive components, basic switching circuits, AC/DC, DC/DC, DC/AC, AC/AC converters and their applications.

#### **EEN 443 Power Distributions**

*Credit Hour: 3*

*Prerequisite: EEN 345*

Principles of power electronics. This course is designed to give the students in electrical engineering a practical introduction to electrical power distribution and transmission. Topics dealing with electric power distribution engineering such as distribution system planning, load characteristics, application of distribution transformers, distribution substations and transmission lines, primary and secondary systems, voltage drop and power-loss calculations, application of capacitors, voltage regulation, and distribution system protection and reliability.

#### **EEN 445 Power System Protection**

*Credit Hour: 3*

*Prerequisite: EEN 345*

Study of power system faults and application of relays for power system protection. Review of symmetrical components as applied to fault currents. Introduction to digital filtering and microprocessor based relaying. Use of computer simulation for application of relays.

#### **EEN 447 Machine Drives**

*Credit Hour: 3*

*Prerequisite: EEN 340 + EEN 440*

This course covers basic AC/DC electric-machine drives for speed/position control. It presents an integrated discussion of electric machines, power electronics, and control systems. Computer simulations are used for understanding power-electronics based converters and the design of feedback controllers. Applications of electric drives can be found in electric transportation, robotics, process control, and energy conservation.

#### **EEN 449 Renewable Energy**

*Credit Hour: 3*

*Prerequisite: EEN 345*

The objective of this course is to cover conventional and renewable power generation technologies. It includes analysis, challenges for the construction and operation of various power plants including thermal, diesel, hydro-electric and nuclear as well as renewable energy technologies including solar, wind, and tidal and geothermal energy. Integration of renewable energy into the grid will be covered in more detail and future energy scenarios will also be included and analyzed for future energy and environmental impacts.



## **Hardware and VLSI Design (Microelectronics)**

### **EEN 471 Introduction to Microelectronics**

*Credit Hour: 3*

*Prerequisite: CEN 304*

This course introduces the fundamentals and essential topics for the study of microelectronic circuits. Topics covered include: Semiconductor technology for integrated circuits, physical layout, modeling for analog and digital design, circuit simulation.

The device structure and its physical operation will be covered. The course will also treat the use of equivalent circuit models that describe the operation of these devices and how they can be used to design integrated circuits.

### **EEN 472 Analog and Digital Integrated Circuit Design**

*Credit Hour: 3*

*Prerequisite: CEN 304*

This course introduces students to the design of CMOS analog and digital integrated circuits. It covers the design, and simulation of CMOS analog and digital integrated circuits. At first, current mirrors, voltage and current references, amplifiers, and differential amplifiers are presented. The second section of the course is dedicated to the design and layout of the inverter, static logic gates, digital clocked circuits, and the implementation of logic functions on a chip.

### **EEN 473 Radio Frequency Integrated Circuit Design**

*Credit Hour: 3*

*Prerequisite: CEN 304*

This course deals with the analysis and design of Radio Frequency (RF) integrated circuits and systems. It covers the design of RF building blocks: low-noise amplifiers and mixers, oscillators and power

amplifiers..

### **CEN 468 Computer Organization and Design**

*Credit Hour: 3*

*Prerequisite: CSC 304*

This course emphasizes the hierarchical structure of computer systems. It covers such topics as: components of computer systems and their configuration, design of basic digital circuits, the microprogram level, the conventional machine level, the operating system level, assembly language, addressing modes, interpreters/translators, computer arithmetic. The course also introduces computer architecture and focuses on studying the computer components, system buses, internal and external memories, interfacing processors and peripherals, computer arithmetic, interrupts, pipelining and instruction sets. It also discusses the interaction between the computer hardware and the operating system, and provides an overview of assemblers and linkers.

### **EEN481 Biomedical Integrated Circuit Design**

*Credit Hour: 3*

*Prerequisite: CEN304*

Biomedical microelectronics targeting wearable devices and implantable applications like drug delivery pumps, pacemakers, nerve stimulators, and other such medical devices, is a incessantly growing field. This course emphasizes on the design of low-power analog and digital integrated circuit systems for biomedical applications.

# Bachelor of Science in Information Technology

## **Degree Requirements**

### **CSC 201 Structured Programming**

*Credit Hours: 3*

*Prerequisite: MTT 101 or MTT 102*

The main objective of this course is to provide students with the logic and tools required to develop structured software programs in C++. C++ is a challenging programming language that is based on both structured programming and object-oriented programming methodologies. However, this course focuses on structured programming as the main learning objective. It also serves as a preliminary foundation for learning the object-oriented programming methodology. The material for this course includes: Introduction to Computers and C++ Programming, Control Structures (loops and conditions), Functions, Arrays, Pointers and Strings and the notion of algorithms for solving problems.

### **CSC 202 Object Oriented Programming**

*Credit Hours: 3*

*Prerequisite: CSC 201*

Object-oriented programming offers greater reliability, maintainability and reusability than structured programming. This course follows on from Structured Programming and introduces the concepts of Object Oriented Programming. It develops the basic skills necessary to develop software application programs in C++



using objected oriented principles and concepts. The course presents the main principles of Objected Oriented Programming: data abstraction, objects and classes, inheritance, and polymorphism. Students should have a core foundation of structured programming principles in order to progress smoothly and effectively in this course.

### **CSC 301 Data Structures and Algorithms**

*Credit Hours: 3*

*Prerequisite: CSC 202*

This course builds on the Prerequisites of Structured Programming and Object Oriented Programming and is a comprehensive introduction to data structures. Arrays, stacks, queues, linked lists, trees, graphs and their associated operations will be introduced. Complexity analysis for algorithms described for different kinds of data structures are also explained. Operationally, applications of data structures to searching and sorting algorithms will be incorporated into programming assignments as will complexity analysis. Programming assignments are crucial component of the course.

### **CSC 302 Database Management Systems**

*Credit Hour: 3*

*Prerequisite: MTT 202*

This course is about databases, and in particular, relational databases. Relational databases are by far the most common type of database in use today with well known products such as Microsoft Access, SQL Server, Oracle, Ingres, Sybase, MySQL and Postgress; all of these are based on the relational model. Even most of the object-oriented databases, such as Oracle Version 8 and above, are in fact an object-relational hybrid with the relational database remaining the essential underlying system.

### **CSC 305 Data Communications and Networks**

*Credit Hour: 3*

*Prerequisite: Junior Level*

This course provides an introduction to modern data communications and computer networks. It presents data communications fundamentals and computer networking methods, using the ISO 7-layer reference model to organize the study. Attention will be focused on the protocols of the physical, data link control, network, and transport layers, for local and wide area networks. The course examines in detail analog and digital signaling, analog and digital conversions, data link control, detection & correction, multiplexing, local area networks (LANs), circuit switching, packet switching, network protocols & standards, and error.

### **CSC 399 Practicum/Internship**

*Credit Hour: 3*

*Prerequisite: 90 Credit Hours*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities. During the period of internship, students will develop their abilities and skills through performing required tasks.

### **ITE 305 Systems Analysis and Design**

*Credit Hour: 3*

*Prerequisite: CSC 202 / Consent of Dept.*

This course will provide a methodical approach to developing information systems including feasibility study, systems planning, analysis, design,

testing, implementation and software maintenance. Emphasis will be on the strategies and techniques of systems analysis and design for producing logical methodologies for dealing with complexity in the development of information systems. The course will approach the development of information systems from a problem-solving perspective

### **ITE 390 Computer Ethics**

*Credit Hour: 3*

*Prerequisite: Junior Level/Consent of Dept.*

A study of the ethical and social issues related to computers and computer networks, computers as enabling technology. Topics covered are social impact of computing, computer crime, software theft, privacy, intellectual property rights, autonomy.

### **ITE 499 Capstone Project**

*Credit Hour: 6*

*Prerequisite: 90 Credit Hours*

This project course is the application of course materials covered to a practical problem in any of the themes in the curriculum. The course will run for two semesters under the supervision of a faculty. The project is normally assigned to a group of students of no more than 4 members. By the end of the first semester, the students must submit a progress report showing the stages that have been accomplished and a complete plan of the second part of the project.

### **MTT 202 Discrete Mathematics**

*Credit Hours: 3*

*Prerequisite: MTT 101*

Basic language and ideas of discrete mathematics that occur in all branches of computer science and information technology. Boolean algebra and its applications to logic and switching theory. Sets, relations, and functions, trees and graphs, algorithms, and induction.





### **STT 201 Intermediate Statistics and Research Methods in Business**

*Credit Hours: 3*  
*Prerequisite: STT 100*

This is an application oriented course that covers the basic inferential statistics topics. This course will expand upon the methods and concepts learned in STT100 to make statistical inference on parameters of several populations, and students also will learn "Regression Analysis" and its applications in business and economics. Students will be taught how to use a statistical software package(s) as learning tools in data analysis. Moreover, this course focuses on research methods: research processes, research design, data sources, data collection and data analysis.

### **Major Requirements**

#### **CSC 308 Operating Systems**

*Credit Hour: 3*  
*Prerequisite: CSC 301*

Operating systems are essential in modern computer systems, from very small computing devices such as embedded systems for cell phones, personal digital assistants (PDA's) and MP3 players to larger computers such as personal computers, workstations, clusters, and supercomputers. An operating system has two fundamental tasks: to manage a computer's resources (i.e. CPU cycles, memory, disk, network, interface, etc.) and to provide applications with an abstract interface to these resources so that they are relatively easy to use. Prerequisite: CSC 301

This course introduces students to the concepts and principles of operating systems design and to the prevailing techniques for their implementation. The course requires students to be already familiar with

the structure of a user-program after it has been converted into an executable form and that they have some rudimentary understanding of the performance trade-offs inherent in the choice of algorithms and data structures. The course will cover operating systems concepts including process management, memory management, file and file system management, and introduces distributed operating systems. Two concrete examples of operating systems are used to illustrate how the principles and techniques are deployed in practice.

#### **CSC 401 Software Engineering**

*Credit Hour: 3*  
*Prerequisite: ITE 305*

When we develop small programs, it is sufficient to start with a fairly general idea of what we want, and develop the program with fairly informal techniques of design and testing. When we develop larger programs, however - particularly in multi person teams, as most software is developed nowadays - an informal approach does not work very well.

Over the years, software developers have identified a number of techniques which help teams to create larger programs. These techniques are referred to as software engineering techniques; because they take a methodical approach to designing and building software analogous to the approach an engineer takes to designing and building things. These techniques are the subject of this introductory software engineering course. Solutions which support the development of high quality software will be introduced.

#### **CIS 401 Advanced Database Management Systems**

*Credit Hours: 3*  
*Prerequisite: CSC 302*

This course will build on the first database course and focuses on database implementation and administration. The course

covers Enhanced ER modeling, advanced normalization, database design (conceptual, logical, and physical), query processing and optimization techniques, advanced database programming (PL/SQL including stored procedures and triggers), transaction management, concurrency control, crash recovery, security and integrity.

#### **CIS 408 Distributed Information Systems**

*Credit Hours: 3*  
*Prerequisite: CSC 305 + (CSC 202 or CSC 311)*

The study of distributed systems is exciting and interesting! In many respects, distributed systems are at the forefront of a revolution in the computer science discipline. In this course we will explore the principles and paradigms that are associated with distributed systems. During our exploration of principles, we will focus on developing a working understanding of the notions and concepts that are fundamental to all distributed systems. During our investigation of paradigms, we will examine, in great depth, specific technologies for building distributed systems. To this end, we will focus on the specification, design and implementation of distributed systems that utilize the Java programming language and CORBA.

#### **CSC 307 Web Design**

*Credit Hour: 3*  
*Prerequisite: CSC 201*

This course will focus upon the essentials of Internet programming, specifically on the competencies of designing and writing WWW pages in HTML, Java script, and shell scripting languages.

The Internet and the Web have revolutionized the way people communicate and organizations do business. The business environment of today demands that ICT professionals know how to establish and maintain an interactive and



dynamic web site. In this course, students gain the knowledge needed to develop a well-designed web site. They learn the fundamentals of HTML syntax and layout, creating effective web pages, configuring a web server, writing client-side JavaScript, integrate JavaScript into web pages and create an interactive and dynamic web site.

### **CIS 404 Data Warehousing and Data Mining**

*Credit Hours: 3*

*Prerequisite: CSC 302*

This course focuses on current advancements in data warehouses and data mining dealing with the data preparation, online analytical processing, and mining useful patterns in databases using different algorithmic techniques. Machine learning, neural networks, clustering techniques are also introduced and applied in classification.

### **ITE 401 IT Project Management**

*Credit Hour: 3*

*Prerequisite: Senior Level/Consent of Dept.*

This course deals with project management concepts and applications and stresses the importance of utilizing project management methodologies in planning modern information systems. The aim is to give students an understanding of how to manage information technology projects both for the individual managing their own development, and for the team leader managing a larger scale project. The emphasis will be on getting a quality product produced on time and within budget.

### **ITE 409 Human Computer Interaction**

*Credit Hour: 3*

*Prerequisite: Senior Level/Consent of Dept.*

Effective design of human computer interfaces is a major

factor in developing user-friendly software. The course will provide the background theory, practical examples, and models and techniques that enable students to design good interfaces and to evaluate human computer interface functionality and usability. The course will examine the practical and theoretical issues of how people interact with computers and methods for developing software to improve usability. A principal goal is for students to develop an awareness and sensitivity for user needs and abilities as they interact with computer software.

### **ITE 408 Information Security**

*Credit Hour: 3*

*Prerequisite: CSC 305*

This course builds on understanding of Data Communications and Networks and introduces students to information and computer security. It will cover theory and practice for the design of secure systems (formal modeling, hardware and compiler-enforced safety, software engineering processes, tamper-resistant and tamper-reactive hardware, firewalls, cryptography, and more). It will also discuss how and why each of these techniques fails. An important component of the course will be a survey of modern topics in computer security, including protection, access control, distributed access control, Windows security, applied cryptography, network security, firewalls, secure coding practices, safe languages, cryptographic protocols, privacy and anonymity, and mobile code. Case studies from real-world systems will also be analyzed.

### **CSC 311 JAVA Programming for the Internet**

*Credit Hour: 3*

*Prerequisite: CSC 201*

This course provides a comprehensive introduction to JAVA programming. Students will have

completed courses on structured (CSC201) and object oriented programming (CSC202) before undertaking this course. Topics include creating a Java application and applet, manipulating data using methods, decision making and repetition with reusable objects, arrays, loops, and layout managers using external classes, creating menus and button arrays using the abstract windows, swing interfaces with sorting and searching, writing data to a sequential data file, using collections and strings in a reusable class, understanding abstract classes and interfaces, accessing databases using JDBC, sockets and threads.

### **ITE 414 Introduction to E-commerce**

*Credit Hour: 3*

*Prerequisite: Junior Level*

With the rapid growth of the Internet, commerce on the web has been a significant part of the revenue stream for companies. This subject will develop an appreciation for all the issues involved in developing an ecommerce site, ranging from the business case to the technology involved.

This subject will cover a range of business and technical concepts, which are required to understand e-commerce and e-business applications. These include supply chain management, systems analysis and development, ecommerce models, website analysis, legal and ethical issues, and building ecommerce web site.

### **ITE 402 Computer Networks: Design and Implementation**

*Credit Hour: 3*

*Prerequisite: CSC 305*

This course is designed to provide students with the knowledge required to create a logical network design and suggest alternative physical implementations of this design. The objective is to learn how to design local, campus, metropolitan, or wide area networks and the connection to



the Internet. Topics covered in this course include: Identifying customer's needs and goals, Logical network design, Addressing and routing architecture, Network management architecture, Physical network design, Testing, optimizing, and documenting a network design

### **ITE 422 Network Administration**

*Credit Hour: 3*  
*Prerequisite: CSC 305*

This course is designed to provide students with the knowledge required to administer and suggest alternative strategies for the configuration, operation and monitoring of networks. Students will be made aware of the key factors that have impacts on network administration. They will also learn techniques and tools essential for the tasks for the planning, design, installation, operation and troubleshooting of networks.

## **IT Major Electives**

### **C1: Web Technologies and Applications**

#### **ITE 410 Web Programming**

*Credit Hour: 3*  
*Prerequisite: CSC 307*

This course is designed to provide students with the knowledge required to design, implement, and maintain web based applications. It introduces the tools, protocols and languages used in the development of these applications. This course gives an understanding of web middleware and the programming technologies to build modern web applications using proper Application programming interfaces and environments.

This course aims at the study of Internet Protocols and utility programs used in popular Internet

applications. It describes the features of HTTP protocol and its interaction features. It also presents specific elements of Java used in web programming. Popular server-side web application scripting and programming languages are described (e.g. PHP, Servlets, JSP). Database oriented web applications are also introduced. The web middleware is presented in conjunction with web based environment such as J2EE.

#### **ITE 412 Web productivity Tools**

*Credit Hour: 3*  
*Prerequisite: ITE 410*

Delivering modern web -based application requires using proper methods and frameworks that offer adequate environments for developing such applications. In this course, students will learn design patterns and architectures used in the context of web applications (e.g. MVC). Standards such as Java 2 Enterprise Edition (J2EE) will be described and used as an environment to produce enterprise object oriented web applications. They will also learn how to use known modern tools and frameworks with particular emphasis on tools such as Struts, Spring, Hibernate, etc. After this course students will be able to produce platform independent MVC based implementations of web application using these frameworks. They will also learn how to use design patterns such as dependency injection, aspect orientation into object oriented web applications.

This course entails the design and implementation of multi-tiered web applications. Web middleware's such as J2EE will be described as a standard for building object oriented web application. MVC design pattern, application contexts and inversion of control will be covered. Aspect oriented design patterns and its applications to web application design will be described and used in real applications such as e-commerce.

Also, mapping strategies between relational and object databases are presented and illustrated with Hibernate. Environments such as Struts and Spring will be described.

#### **CSC 404 Computer Graphics and Animation**

*Credit Hour: 3*  
*Prerequisite: CSC 301*

This course is an introduction to the principles of interactive computer graphics. It provides an appreciation and understanding of the techniques available for representing 2D and 3D pictures of objects and scenes.

Topics include fundamentals of vector and raster graphics, 2D and 3D transformations, projections, 3D modeling, hidden surface removal methods, ray tracing, and graphical user interfaces. The hardware of the graphic environment is defined and new development platforms for graphics in windows are investigated.

#### **ITE 415 Advanced E-commerce Applications Design**

*Credit Hour: 3*  
*Prerequisite: ITE 414*

This subject aims to provide students with an understanding of e-business in the context of to-day's global business environment. Today most businesses compete in a global environment and a sound business strategy for on-line business is essential to facilitate this. This subject covers key areas of e-business. It includes a wide coverage of the technological, organizational, behavioral, social and legal issues related to the development, implementation, operation and management of e-business applications.

Topics include: security methods and techniques for e-Commerce, e-Commerce marketing concepts and communication, supply chain management and e-Procurement.



### **ITE 490 Selected Topics in IT**

*Credit Hour: 3*

*Prerequisite: Determined based on topics*

### **C2: Networking, Mobile and Security**

#### **ITE 420 Wireless and Mobile Networks**

*Credit Hour: 3*

*Prerequisite: CSC 305*

The presence of wireless links and/or mobile endpoints poses a set of special requirements on network architectures and protocols. For example, mobility management protocols are needed for mobile location management and handoff management. This course teaches the principles behind the protocols needed in wireless and mobile networks. This includes MAC (Medium Access Control), DHCP (Dynamic Host Configuration Protocol), mobile location management, mobile handoff management, and authentication protocols. Network architectures and protocols used in wireless/mobile networks such as mobile IP, cellular networks, GSM, IEEE 802.11, GPRS, WAP, etc. will also be covered.

#### **ITE 421 Mobile Applications**

*Credit Hour: 3*

*Prerequisite: CSC 201*

This course provides basic knowledge and understanding of cross-platform mobile applications design and implementation. The course also examines the tools by which mobile applications are built in different mobile device environments.

The aim of this subject is to enable students to understand the basic principles and architectures of mobile applications. The course focuses on HTML5-based cross-platform mobile application development with JavaScript-based stack. Students then port their applications to mobile devices and post them to distribution channels for mobile users to

download. Focus is given to accessing mobile device functionality such as device orientation, device motion, native audio, geolocation, push notification, camera, and more.

#### **ITE 423 Network Programming**

*Credit Hour: 3*

*Prerequisite: CSC 305 + CSC 311*

This course provides basic knowledge and understanding of Internet-based applications design and implementation tools underlying the. It also examines the internal mechanisms by which these applications are built, including system programming tools.

This course also covers network application programming including client-server, peer-to-peer, multimedia and web applications. It will help students understand the principles of distributed applications and give them practical experience in creating common networks applications. An important aspect of the course is to give the opportunity to the students to program modern network based applications using the internet as a programming platform.

#### **ITE 424 Enterprise Network Security**

*Credit Hour: 3*

*Prerequisite: ITE 408*

This course provides the students the opportunity to examine network-based attacks and whether originating from outside the enterprise (Internet) or from the local LAN. The course will provide the students with the methods and ways to protect, detect, and defend the enterprise network from such attacks. Further, the interrelation between network policies and securing the network are also covered.

#### **ITE 490 Selected Topics in IT**

*Credit Hour: 3*

*Prerequisite: Determined based on topics*

### **C3: Interactive Media, Game Programming and Simulation**

#### **ITE 430 Digital Game Design and Programming**

*Credit Hour: 3*

*Prerequisite: ITE 409 + CSC 404*

This course introduces the principles of game design with focus on video games. A typical game model will be introduced and many computer games will be evaluated based on this model. The course includes game development process, game platform and graphics. Students will design and implement a basic 2D game using Game Maker by Yoyo Games under windows OS.

In this course students will learn the history and techniques of game development including story development, game play, game content development, game programming, prototype development and game testing. At the end of the course, students will have designed a new game, developed the story board and implemented a prototype.

#### **ITE 431 3D Games and Simulation**

*Credit Hour: 3*

*Prerequisite: ITE 430*

This course is an introduction to the principles interactive 2D and 3D game development and virtual reality simulation. It provides an appreciation and understanding of the state of the art techniques methods and technology used in this area.

This course include topics such as real-time graphics, use of networking for multi-user platforms, kinematics and solid modeling and Artificial Intelligence techniques in gaming and simulation. The main focus of the course is on programming aspects of computer gaming and simulation. The programming languages used are Java or C++ using OpenGL.



### **ITE 432 Collaborative Game Design**

*Credit Hour: 3*  
*Prerequisite: ITE 430*

This course provides an overview of cooperative and multiplayer game design strategies and programming in different networking environments such as Internet and wireless networks. It considers different user interfaces using computers and hand-held devices such as mobile telephones both in single and multiplayer modes. It will also present design principles and techniques for on-line gaming. The course stresses on the use of Java as mobile game programming language and flash as web-based games programming language.

### **CSC 406 Artificial Intelligence**

*Credit Hour: 3*  
*Prerequisite: Senior Level*

This course provides a solid theoretical framework for addressing complex problems in navigation, planning, strategy, pattern recognition, and knowledge management. It also introduces basic concepts of AI in the gaming context such as planning and search. Emphasis will be place on applications of AI in various genres of computer games. Students will work with implementations of common game AI algorithms for behaviors such as path finding, and behavior selection.

### **ITE 490 Selected Topics in IT**

*Credit Hour: 3*  
*Prerequisite: Determined based on topics*

## Bachelor of Science in Interior Design

### **Major Requirements**

#### **IND 100 Introduction to Interior Design**

*Credit Hour: 3*  
*Prerequisite: No Prerequisite*

This course introduces the profession of interior design, its history, and its related specialties and disciplines. The course introduces the basic elements of interior design. It will present and explain terminology that helps clarify and amplify architectural and interior design thought and introduce students to careers in interior design. This course explains the practical and conceptual concerns underpinning interior design are also emphasizes the interdisciplinary nature of the profession. The course provides an introduction to the practical and ethical dimension of the profession.

#### **DES 100 Graphic thinking and Freehand Drawing**

*Credit Hour: 3*  
*Prerequisite: No Prerequisite*

Thinking in the field of design is greatly enhanced by the use of more than one sense. The long history of architectural design has produced a great wealth of graphic techniques and imagery in response to highly complex, comprehensive, quantitative-qualitative problems. The aim of the course is to introduce and train the students in free hand drawing. This course would then enable the students to become creative and imaginative while improving their sketching and conceptual skills. It would enable the students to respect and enjoy

drawing as a method of creative problem solving and understand the role and need for drawing in the design disciplines.

#### **DES 110 Design Communication I**

*Credit Hour: 3 (1 lecture + 4 studio)*  
*Prerequisite: No Prerequisite*

This course aims at developing the visual skills used by professionals in the built environment. The course offers an introduction to basic drawing and graphic modeling skills for architecture, interior design civil engineers and Construction managers. Instruction on two-dimensional visualization of the built environment and space will be covered. This includes technical as well as freehand drawing and representations. Basic 2d image processing software as well as basic 2D vector drawing software are introduced. Topics include: basic freehand drawing and drafting skills, orthographic projection, shades and shadow, paraline drawing, sketching skills, drawing and projection composition, Drafted and freehand drawing of actual and proposed environments is considered including analysis of light, shade, materials, textures and various contextual elements. Basic linear multimedia software are also introduced to students as a presentation and design communication tool. Educational enrichment activities in this course will include field-trips to project exhibits as well as art museums and architectural offices.

#### **DES 120 Design Communication II**

*Credit Hour: 3 (1 lecture + 4 studio)*  
*Prerequisite: DES 110*

This course builds upon the drawing skills introduced in Design Communication I and introduces the students to three-dimensional visualization of the built environment focusing on perspective projections. The courses also introduces basic 3D sketching techniques using manual and digital means.





### **DES 130 Design Foundation**

*Credit Hour: 3 (2 lecture + 2 studio)*  
*Prerequisite: DES 100*

This is a foundation class in principles relating to all areas of design of the built environment. The course is designed to introduce the students to the basic elements of design including vocabulary, configuration, form and order.

The classes consist of both theoretical and practical studio which is based on assignments, field studies and contextual study. The studio assignments and exercises are aimed to demonstrate an understanding of the use of a model for structuring design information, design process, research and communication skills.

### **DES 210 Computer Aided Design**

*Credit Hour: 3 (1 lecture+ 4 lab)*  
*Prerequisite: DES 120*

This course serves as an introduction to various electronic media employed within the practice of architecture and interior design. Creative and effective skills in the use of computers in architecture and interior design applications are consistently stressed. The course introduces the students to the concepts of building information modeling. Students completing this course will have a working knowledge of BIM software as well as advanced rendering software and nonlinear multimedia tools.

### **DES 220 Architectural History I**

*Credit Hour: 3*  
*Prerequisite: ENG 200*

This course is an historical and conceptual survey of architecture from prehistory to Medieval. The course will address questions of style and cover the major movements and figures in architectural history. The course will focus on the way architecture provides the physical, spatial, and temporal frameworks for human interaction with nature, the metaphysical realm, institutions, others, and ourselves.

### **IND 280 History of Interior Design**

*Credit Hour: 3*  
*Prerequisite: DES 220*

This course will examine twentieth- and twenty-first (21st) century architecture and its origins. Through slide lectures, readings, and field trips. The course will focus on issues concerning style, technology, urbanism, regionalism, function, and reform to address the diverse forces that have shaped modern architecture. This course will also discuss the recent history and development of the field of interior design.

### **IND 215 Interior Design Studio I**

*Credit Hour: 3 (1 lecture + 4 studio)*  
*Prerequisite: DES 120 + DES 130 + IND 100*

A series of studio exercises to develop an understanding of the use of a model for structuring design information, fundamentals of programming, research, communication skills and the design process. This course is designed to introduce the students to the basic elements of design including vocabulary, configuration, form and order. Educational enrichment activities in this course will include invited professionals for the jury and famous local interior designers as guest speakers.

### **IND 235 Building Technology I**

*Credit Hour: 3 (1 lecture+ 4 studio)*  
*Prerequisite: DES 120*

Discussion of various aspects of the construction industry including introduction of major branches of construction technology, fundamentals of structures and building design, typical construction materials and methods, construction management and cost factors, and professional careers.

### **IND 240 Color Theory in Design Applications**

*Credit Hour: 3*  
*Prerequisite: No Prerequisite*

This course will study color theory and application relative to the interior environment. Emphasis will be placed on human response to color, science of color/light and color/pigment, principles of color design, and implementation through design projects.

### **IND 335 Textiles**

*Credit Hour: 3 (2 lecture + 2 studio)*  
*Prerequisite: IND 290*

A study of fibers, yarns, fabric construction and finishes as related to selection, use and care of fabrics

### **IND 255 Building Technology II**

*Credit Hour: 3 (2 lecture+ 2 studio)*  
*Prerequisite: IND 235*

This course would assist the students explore different advanced building systems and technologies as well as means of deploying them in buildings. It will emphasize the prefabrication of internal structures including internal finishing, stairs and fittings. An overview of advanced concepts and properties of additional different systems will also be discussed, with emphasis on graphical communication.

This course provides more advanced and specialized aspects of interior construction elements and systems, which define the space and provide character to interior spaces.

### **IND 260 Interior Construction**

*Credit Hour: 3 (1 lecture+ 4 studio)*  
*Prerequisite: IND 235 + DES 120*

This course will develop the interior construction knowledge to solve interior architectural problems in new construction with an emphasis upon high-rise structures. Special concern in the adherence to building, fire and handicapped accessibility codes is to be observed in the preparation of the working drawings.



### **IND 350 Materials and Specifications**

*Credit Hour: 3 (2 lecture+ 2 studio)*

*Prerequisite: IND 255*

This course will study materials and finishes applicable to the interior environment including production methods, limitations, quality control, application, and uses. Emphasis is on specification for commercial interiors and liability issues for designers.

### **DES 410 Research Methods & Programming I**

*Credit Hour: 3*

*Prerequisite: IND 315*

Introduction to the design process used in interior design with emphasis on the study of methods for gathering data and analysis of project information for the design synthesis.

### **IND 290 Furniture Design**

*Credit Hour: 3 (1 lecture+ 4 studio)*

*Prerequisite: IND 275 + DES 210*

This course will study furniture through the evaluation of historic furnishings as well as contemporary furnishings. Issues include ergonomics, anthropometrics, quality of materials, and methods of construction.

### **IND 275 Interior Design Studio II**

*Credit Hour: 3 (1 lecture + 4 studio)*

*Prerequisite: IND 215 + IND 240*

This course concentrates on the Interior design of the personal environment at the individual level. Emphasis is on residential design.

### **ARC 320 Environmental Design I Lighting and Acoustics**

*Credit Hour: 3 (2 lecture + 2 studio)*

*Prerequisite: IND 260 or ARC 210*

This course is a comprehensive overview of the luminous and sonic environment with consideration to energy conscious design. Content includes human physiological and psychological perceptions of light in the built environment, natural and electric light sources, day

lighting design techniques, lighting measurements and controls, light and form, computations for quantity and quality light, and the use of illuminated models for day lighting and electric lighting design, the base principles of acoustics impacting room acoustics, mechanical system noise, sound absorption and isolation, and the basic principles of electrical systems.

### **IND 399 Internship**

*Credit Hour: 3*

*Prerequisite: 90 Credit Hours + IND 390*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course is intended to be a breakthrough experience in exposing student to the organizational work culture and the nature of business complexities.

### **IND 390 Professional Practice and Ethics**

*Credit Hour: 3*

*Prerequisite: IND 315*

This course is an introduction to the organization, management, and practice of Architecture and Interior Design as a business and profession. Emphasis is placed on the range of services provided, professional ethics, business management, marketing, contracts and negotiations, design cost analysis/control, and other aspects of professional practice. The course introduces the students to effective techniques for resume writing, letters of introduction, portfolio preparation, and job interview techniques.

### **ARC 420 Environmental Design II: Energy and Systems**

*Credit Hour: 3*

*Prerequisite: ARC 320 or (ARC 240 + ARC 270)*

This course will study of the influences of energy, human comfort, climate, context, heating, cooling and water on the design of buildings and sites. The design of passive and active environmental systems with continued emphasis on day lighting, acoustics and design strategies for sustainability, and issues of green construction relating to energy in buildings.

### **IND 430 Graduation Project I**

*Credit Hour: 3 (2 lecture+ 2 studio)*

*Prerequisite: DES 410 + IND 280*

A substantial work of design research presented as a short thesis report, entailing practical application to a researched topic of a specific space type (complex multi- use design problem). Project selection is based on the real needs of society. Methodology in interior design through a process of programming. Literature review, data collection, statistics, case study critique, developed architectural program and schematic design concept. Special consideration of social, environmental, cultural and traditional aspects in interior design. Presentation is in a form of a report and preliminary project.

### **IND 315 Interior Design Studio III**

*Credit Hour: 3 (1 lecture, 4 studio)*

*Prerequisite: IND 275 or ARC 250*

This course will concentrate on the Interior design of the environment at the corporate or institutional level where client/owner and client/user are significantly different. Emphasis is on design. Furniture systems, particularly in the area of office planning are to be included. Facility types include financial institutions and institutional facilities.



### **IND 340 Interior Design Studio IV**

*Credit Hour: 5 (lecture - 1, studio- 8)  
Prerequisite: IND315 + IND 335*

Completion of a large interior design project as initiated in Interior Design 420. Emphasis is on design process from schematic design through completion of annotated construction document with estimate of cost. Facility types include Health Care or Recreation/Hospitality.

### **IND 415 Interior Design Studio V**

*Credit Hour: 3 (1 lecture + 4 studio)  
Prerequisite: IND 340+ Senior Status*

The aim of the course is to introduce the students to hospitality interior design projects. This course would then enable the students to successfully design interior spaces for hotels, motels and resorts, with emphasis being placed on planning, furniture arrangement, circulation and design treatments.

### **IND 460 Working Drawings**

*Credit Hour: 3 (1 lecture + 4 studio)  
Prerequisite: IND 350 + ARC 420*

This course focuses on the preparation of a complete set of working drawings for a medium size project with emphasis on detailing and interior finishes. Drawings include plans, furniture layout, schedules, detailed set of working drawings, specification document related to the working drawings set and building systems.

### **IND 470 Graduation Project II**

*Credit Hour: 6 (2 lecture + 8 studio)  
Prerequisite: IND 430 + IND 415*

This course provides the students with an opportunity of successfully working on a real interior design project of their choice.

Students will complete a large scale, interior design project that utilizes an existing building. The work is initiated in IND430. Emphasis is on design process from schematic design through design development.

That process terminates with the completion of a very thorough series of verbal presentations and physical documentation of the design solution. Facility types include but not limited to Health Care or Recreation/ Hospitality/ Museum/ Theater, etc.

Each student, however, in IND 430 selects a particular building typology (i.e., health care facility, recreation facility, etc.) for their particular IND470 project. Completion of a large interior design project as initiated in IND 430. Emphasis is on design process from schematic design through completion of presentation drawings. The students are given the opportunity to develop their knowledge and ability of working on interior design project. The final graduation project is an individual project integrating all the previous knowledge and skills learnt in a fully developed design solution.

## **Major Elective**

### **IND 581 Advanced Furniture Design and Detailing**

*Credit Hour: 3 (2 lecture + 2 studio)  
Prerequisite: IND 290*

This course helps students understand the aesthetic and functional ergonomic aspects of furniture as well as develop their research, analysis, criticism and evaluation capabilities in the field of furniture design. The course will enhance students' ability to recognize and appreciate design programming and abstract design expressed in sketches, and presentation drawings. Students should be able to design furniture pieces, solve furniture design problems and produce a variety of technical drawings of furniture pieces. This course will emphasize the technological aspects of producing furniture, models, shop drawings and presentation drawings.

### **IND 582 Islamic Interiors**

*Credit Hour: 3 (3 lecture)  
Prerequisite: DES 220*

The aim of the course is to allow the students to research and understand Islamic buildings and interiors, and to learn the decorative components of Islamic interiors such as patterns, colors, trims and accessories with emphasis on mosques, madras, palaces and fortifications.

### **DES 580 Architectural Photography**

*Credit Hour: 3 (3 lecture)  
Prerequisite: DES 220 or LAR 230*

This course aims to introduce students to the basic skills and technology of digital and film photography, the principles of photography and their relationship to design. It will also teach students to analyze the elements of photographs, choose best shots in photographing building exteriors and interiors and apply the different photography techniques in photographing students' projects.

### **ARC 540 Sustainable Design**

*Credit Hour: 3 (3 lecture)  
Prerequisite: ARC 420 or ARC 410*

This course investigates the theory and practice of sustainability and the interrelated design methods and processes for sustainable architecture. It will study sustainable theory how it influences practice and informs design thinking. The "triple-bottom-line" or "three-E's" (Environment, Economy, and Equity) will be used as an organizing theme to connect theory to daily practice. Building rating systems such as LEED will be used to evaluate and enhance the sustainability of a given project.

### **ARC 582 3D Modeling**

*Credit Hour: 3 (1 lecture + 4 Studio)  
Prerequisite: DES 210 or ARC 280*

This course is designed to teach an advanced level of 3D modeling and animation for architects. Emphasis





will be placed on building 3D world space representing various aspects of the built environment. It will allow students to build upon concepts such as complex geometries, light effects, materials, camera settings, physical motion, and modeling techniques, rendering, and post production.

### **ARC 583 Building Information Modeling**

*Credit Hour: 3 (1 lecture +4 Studio )*  
*Prerequisite: DES 210 or ARC 280*

This course explores Building Information Modeling (BIM) programs from Preliminary Design through Design Development, and into Construction Documents. It focuses on streamlining the design process with a central 3D model.

### **ARC 590 Building Economics**

*Credit Hour: 3 (2 lecture+2 Studio )*  
*Prerequisite: IND 460 or ARC 340*

This course covers the principles of economics and its application in the construction and building industry. It conveys an appreciation of macroeconomics, business and fiscal aspects of engineering practice. Attention is given to essential topics such as Market demand, Competition and monopoly, Macroeconomics, Government and fiscal policies, Labour economics and Building obsolescence.

## Bachelor of Science in Mechanical Engineering

### **Degree Requirements**

#### **MTT 200 Calculus II**

*Credit Hours: 3*  
*Prerequisite: MTT 102*

This course is a continuation of Calculus I. The course will

concentrate on integral calculus. A recurring theme throughout the semester will be the relationship between an approximation and the exact value. The topics covered are; The Fundamental Theorems of Calculus, Techniques of Integration, Numerical Integration, Improper Integrals, Area, Volumes, Arc Length, and Average Values, Infinite Sequences and Series, and Applications in the field of science and engineering.

#### **MTT 201 Calculus III**

*Credit Hours: 3*  
*Prerequisite: MTT 200*

This course is a continuation of the study of calculus. The course provides an introduction to the design, analysis. The topics covered are: introduction to vectors, vector calculus, partial derivatives, and multiple integrals.

#### **MTT 204 Introduction to Linear Algebra**

*Credit Hours: 3*  
*Prerequisite: MTT 200*

This course is an introduction to Linear Algebra and some of its applications. The aim is to teach the fundamentals of linear algebra in a way that illustrates their relevance to engineering applications. An Introduction to Matrices and Systems of Linear Equations are given with other topics such as; Determinants, Linear Transformations, Eigenvectors and Eigenvalues and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available

#### **MTT 205 Differential Equations**

*Credit Hours: 3*  
*Prerequisite: MTT 200*  
*Co-requisite: MTT 204*

The course will demonstrate the usefulness of ordinary differential equations (O.D.E.) for modeling physical and other phenomena. The topics covered are first and higher orders O.D.E, Laplace transform, applications of Laplace

transform to initial value problems of O.D.E, systems of O.D.E and some engineering applications.

Through the process of working through application problems, the student will develop the ability to interpret and evaluate real world application problems from a text form into a mathematical equation.

### **PHY 102 Physics & Engineering Applications I**

*Credit Hours: 3*  
*Prerequisite : MTT 102*

The course aim is to provide engineering and computer science students with clear understanding of the basic concepts of physics. The course is divided into two parts: Mechanics, and Waves. The topics covered are; Units, Vectors and Scalars, Kinematics, Newton's laws of Motion, Work and Energy, Oscillatory Motion, Wave Motion, Sound Waves, and Superposition of Waves. Taken simultaneously with PHY 102L (1 credit hour).

### **PHY 102L Physics and Engineering Applications I Lab**

*Credit Hours: 1*  
*Prerequisite: MTT 102*  
*Co-requisite: PHY 102*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical concepts presented in Physics I course (PHY 102) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data

### **PHY 201 Physics & Engineering Applications II**

*Credit Hours: 3*  
*Prerequisite: PHY 102*

The course is intended to provide engineering and computer science students with sufficient understanding and knowledge of physics concepts in Electricity and Magnetism that can be relevant to their field of study. The course is divided into two parts; Electricity



and Magnetism. The topics covered are; electric field, Gauss's law, electric potential, capacitance and dielectrics, current and resistance, direct current circuits, magnetic fields, sources of magnetic field, Faraday's law, inductance, and alternating current circuits. Taken simultaneously with PHY 201L (1 credit hour).

### **PHY 201L Physics and Engineering Application II Lab**

*Credit Hour: 1*

*Prerequisite: PHY 102*

*Co-requisite: PHY 201*

This course is designed to help students develop the ability to perform scientific experiments and to enhance their understanding of theoretical material presented in Phy201 (Electricity and Magnetism) by performing landmark experiments with emphasis on the presentation and interpretation of experimental data.

### **CHE 205 General Chemistry I**

*Credit Hours: 3*

*Pre or Co-requisites: ENG 200*

Chemistry is the study of matter and interactions. This course introduces the principles of chemistry including; elements and their symbols, the periodic table, names and formulas of compounds, chemical reactions, balancing chemical equations, stoichiometry, and other major principles of organic and in-organic substances. Laws and applications will also be described in this course. This course gives the students a full idea about the basic definitions of chemistry, chemical interactions and laws, and characteristics of matter. Also, it reviews important algebraic concepts and introduces the use of these concepts in chemistry.

### **CHE 201L General Chemistry I Lab**

*Credit Hours: 1*

*Prerequisite: ENG 200*

*Co-requisite: CHE205*

This course introduces the principles and concepts of chemistry with the

emphasis on laboratory skills and practical hands-on experiences for the students. This course will have laboratory experiments, simulated experiments, demonstrations and group activities for the students that illustrate the principles and concepts for the course CHE 205

### **MEC 200 Introduction to Mechanical Engineering**

*Credit Hours: 3*

*Prerequisite: MTT 102*

*Co-requisite: MEC 330*

This course introduces the students to modern engineering design methodologies and conceptual mechanical engineering designs. It promotes their creative thinking, project planning and teamwork. It covers the introduction to manufacturing processes and design for manufacturing. It also gives an introduction to risk and reliability in design and addresses the ethical issues in engineering design.

### **CSC 201 Structured Programming**

*Credit Hours: 3*

*Prerequisite: MTT 102 or MTT 105*

The main objective of this course is to provide students with the logic and tools required to develop structured software programs in C++. C++ is a challenging programming language that is based on both structured programming and object-oriented programming methodologies. However, this course focuses on structured programming as the main learning objective. It also serves as a preliminary foundation for learning the object-oriented programming methodology.

### **GEN 200 Engineering Economy**

*Credit Hours: 3*

*Prerequisite: ENG200 + MTT 102*

This course gives students a working knowledge of making economic comparison of investment alternatives in Engineering Project Environment. The course includes the time value of money, methods of comparing

alternatives from economic point of view studying rate-of return (ROR), Present Worth (PW), and Annual Equivalent (AE) approaches; breakeven and payback analysis; inflation, depreciation, replacement and cost-benefit analysis, enabling students to make suitable decisions in their professional life when they have to make a decision on an economical basis.

This course studies essential economy concepts for engineers such as:

Interest and money-time relationship, depreciation, basic concepts and methods for economic analyses and related studies, decision analysis, selection between alternatives and replacement problems and applications related to various construction projects. Ethical and other non-economic issues related to professional economic decisions are discussed.

### **CIV 402 Engineering Ethics**

*Credit Hours: 3*

*Prerequisite: Senior level*

This course articulates an ethical framework for engineers by critically reflecting on engineering practice and examining the ethical challenges that confront engineers, especially those working within large organizations. This course considers issues such as the social responsibility of engineers, truth-telling and disclosure, whistleblowing, professionalism, and risk-assessment. Through case study, this course will provide the tools to evaluate ethical decisions in the field of engineering.

## **Major Requirements**

### **CIV 201 Statics**

*Credit Hours: 3*

*Prerequisite: MTT 102 + PHY 102*

Basic force concepts and equilibrium analysis; distributed forces; centroids;



moments of inertia; application to structural elements.

### **MEC 300 Materials Science**

*Credit Hours: 3*

*Prerequisite: CHE 205*

An introduction to the structure and properties of materials and the processing routes utilized to optimize properties. All major classes of materials are covered, including metals, ceramics, composites, and polymers. Emphasis on the relationships between chemical bonding, crystal structure, phase equilibria, microstructure, and properties including electrical band structures, electron excitation events and semiconductors. Diffusion, kinetics of phase transformations, and microstructure development during basic processes.

### **MEC 301 Manufacturing Processes**

*Credit Hours: 3*

*Prerequisite: MEC 300*

This course aims at studying basic manufacturing processes such as casting, forging, rolling, drawing, extrusion, press tool work, plastic molding, powder metallurgy, welding, brazing, turning, shaping, drilling, milling and grinding. Metal and non-metal fabrication processes are included. Topics covered include mold design, casting and welding processes, theory of metal cutting, tooling features, mechanics of selected bulk deformation and sheet metalworking processes and manufacturing process selection and design for production of a given product..

### **MEC 302 Mechanics of Materials**

*Credit Hours: 3*

*Prerequisite: CIV 201*

Stress and strain; Material behavior; Hooke's law; Axial loading; Safety factors; Shear force and bending moment diagrams; Bending stresses and deflections; Shear stresses in beams; Torsion of circular members; Combined stresses; Mohr's circle; Buckling of columns; Engineering applications.

### **MEC 310 Dynamics**

*Credit Hours: 3*

*Prerequisite: CIV 201 + MTT 204*

Kinematics and kinetics of particles in plane, rectilinear and curvilinear motion; work and energy of particles; particle impulse and momentum; kinematics and kinetics of rigid bodies..

### **MEC 320 Thermodynamics I**

*Credit Hours: 3*

*Prerequisite: PHY 102*

System and control volume concepts. Properties of a pure substance. Work and heat. The first law of Thermodynamics as applied to a system and a control volume, internal energy, enthalpy. The second law of Thermodynamics. Carnot cycle, entropy, reversible and irreversible processes. Applications of steady-state steady-flow, uniform-state uniform-flow, and other processes.

### **MEC 321 Thermodynamics II**

*Credit Hours: 3*

*Prerequisite: MEC 320*

This course is designed to teach junior mechanical engineering students the application of thermodynamic principles to the design and optimization of engineering systems. Specifically, students will have the ability to apply the first and second law of thermodynamics to (1) vapor power and refrigeration systems, (2) gas power systems, (3) applications concerning humidification, dehumidification, evaporative cooling, and (4) thermodynamics of combustion systems such as furnaces, flow reactors etc.)

### **MEC 330 Computer Aided Drawing**

*Credit Hours: 2*

*Co-requisite: MEC 200*

This course aims at introducing geometric modeling techniques. Topics covered will include Freehand sketching, Orthographic and Isometric Projections, Sectional Views, Dimensioning. Introduction

to Geometric modeling and representation, Solid Modeling, Parametric and Feature-Based Modeling. Students will use a modern mechanical engineering package (SolidWorks) throughout to apply the concepts learnt during this course.

### **MEC 350 Fluid Mechanics**

*Credit Hours: 3*

*Prerequisite: CIV 201 + MTT 205*

This course aims at providing students with essential concepts of fluid mechanics. Topics covered include; Fluid properties, similitude, fluid statics, Bernoulli's equation, applications of the mass, momentum and energy equations, viscous flow in pipes, flow over immersed bodies, introduction to turbo machinery.

### **MEC 351 Fluid Mechanics Lab**

*Credit Hours: 1*

*Co-requisites: MEC 350*

This lab aims to provide students with in-depth understanding of theoretical concepts in the fluid mechanics course. Students are required to use data acquisition system to acquire, analyze and interpret results. Experiments include: Measurement of pressures, pressure loss in pipes, impact of jet, hydrostatic forces, viscosity, fluid flow rate, lift and drag, boundary layer, flow visualization, shock wave, velocity profiles in laminar and turbulent flows, performance of turbo machines.

### **MEC 390 Electromechanical Devices**

*Credit Hours: 3*

*Prerequisite: PHY 201*

This course aims to provide mechanical engineering students with fundamental knowledge of electric circuits and machine theory. Topics include: AC circuit analysis; phases steady state power analysis, and polyphase circuits; basics of electrical machines construction, machine theory of operation, modeling and analysis of machines, equivalent circuit and its governing equations of DC machines, 3-phase synchronous generations,



single phase transformers, and 3-phase induction motors, power semiconductor devices and their application in machine control.

### **MEC 410 Control Systems**

*Credit Hours: 3*

*Prerequisite: MEC 310 + MEC 390*

This course aims to introduce students to the fundamentals knowledge of control system theories and applications. Topics include: mathematical modeling, dynamic system responses, feedback control characteristics, stability of feedback systems, feedback control design, design steps of PID controller, and control design using root locus method. The course includes project work where students formed in teams perform design; analyze laboratory implementation of control systems for applications for their choices.

### **MEC 411 Kinematic and Dynamics of Machinery**

*Credit Hours: 3*

*Prerequisite: MEC 310*

Kinematics of mechanisms; Vector methods of analysis of plane mechanisms; Force analysis in mechanisms; Static and dynamic balancing of machines; Analysis and synthesis of cams; Introduction to kinematics of robotic manipulators.

### **MEC 412 Dynamics and Control Systems Lab**

*Credit Hours: 1*

*Co-requisites: MEC 410*

This lab aims to provide students with a full understanding and detailed hands-on skills of dynamic systems analysis and control implementation. Students will be engaged in projects that incorporate the three main areas of mechanical engineering, thermo- fluid, dynamics and design. For each project the students will select a process, model it, simulate it, design a controller for it, and implement the final control system on a microcontroller. The students will use components from a large assortments

of dynamic systems and mechatronics components provided in the lab. The course also aims to familiarize students with entrepreneurial opportunities related to mechatronics, dynamics and control, as well as to increase their commitment to ethical practices and to social and environmental issues relevant to mechatronics, dynamics and control.

### **MEC 420 Heat Transfer**

*Credit Hours: 3*

*Prerequisite: MEC 320 + MEC 350*

This course aims at providing students with essential concepts of Heat Transfer. Topics covered include: Steady and transient heat conduction, forced and natural convection, internal and external flows, principles of engineering thermal radiation, heat exchanger, boiling and condensation. The course also aims at inspiring the student as well as at enhancing his/her entrepreneurial skills, as related to the heat transfer area.

### **MEC 421 Thermal Engineering Lab**

*Credit Hours: 1*

*Co-requisites: MEC 420*

This lab aims to provide students with in-depth understanding of theoretical phenomena studied in the thermodynamics and heat transfer courses. Students are required to use data acquisition system to acquire, analyze, and interpret results. Experiments include: Psychometric processes; performance of refrigeration cycles and components; thermodynamic properties and equations of state; convective heat transfer; combustion engines; heat exchangers. The lab aims at inspiring the student and at enhancing his/her entrepreneurial skills as relevant to the area of thermal engineering.

### **MEC 430 Machine Design**

*Credit Hours: 3*

*Prerequisite: MEC 302 + MEC 330*

This course aims at introducing fundamental skills and concepts of machine design with applications

to simple elements. Topics covered include considerations affecting design, fits and tolerances, design of screws, fasteners and connections, welded joints, shafts, and flexible mechanical elements (Springs, belts, ropes, flexible shafts, etc). Ethical and Entrepreneurial issues and autonomous learning techniques will be employed throughout the course where relevant.

### **MEC 432 Design and Manufacturing Lab**

*Credit Hours: 3*

*Co-requisites MEC 301*

This lab aims to integrate theoretical and practical knowledge gained from previous design, materials, manufacturing, dynamics and some aspects of thermofluid courses. Students design and realize typical mechanical engineering systems or components through a series of projects and experiments. Students are required to use conventional and modern engineering tools as well as to develop commitment to ethical, environmental, social and global issues, and to be aware of entrepreneurial opportunities relevant to design and manufacturing.

### **MEC 399i Internship**

*Credit Hours: 3*

*Prerequisite: 90 Credit Hours*

This course focuses on getting the student practically involved in the day-to-day business events in a relevant, modern and automated organization. The student will follow a well-planned course of action during the period of training. The plan will be devised jointly by the site-supervisor and college-supervisor. The course will be a breakthrough in exposing the students to the professional work culture and conduct of business complexities.

### **MEC 465 - Numerical and Finite Element Simulation of Engineering Problems**

*Credit Hours: 3*

*Prerequisites: MEC 302 + MTT 204*

*Co-Requisite: MEC 420*



This is a foundation course in the area of numerical and finite element analysis in solids mechanics and thermo fluids. The course provides a unified theoretical treatment for the formulation of the finite element, finite volume and finite difference methods in engineering applications. The formulation is presented for general engineering problems in linear static, conduction heat transfer and incompressible fluid mechanics analyses. The course is aimed at giving students an overview of the use, limitations and applications of the methods in solids and thermo fluids. The use of a commercial program in a project type of work will provide the students with an overview of the capabilities and limitations of such programs available in the market. Ethical and autonomous learning techniques will be employed throughout the course where relevant.

### **MEC 480 Mechanical Vibration**

*Credit Hours: 3*  
*Prerequisite: MEC 310 + MEC 410*

This course aims at providing students with knowledge in the area of mechanical vibrations. Topics include: free and forced vibration of one-degree-of-freedom systems; free and forced vibrations of multi-degrees-of-freedom systems; natural frequencies and mode shapes; vibration control; vibration measurement methods; and vibration of continuous systems.

### **MEC 499 Design Project (Capstone)**

*Credit Hours: 3*  
*Prerequisite: Senior Level*

The objective of this course is to provide guided experience in wide areas of Mechanical Engineering design teams working on interdisciplinary projects. The projects will integrate various engineering skills into operational engineering prototypes. The projects will emphasize problem definition, design conceptualization, modeling, fabrication and system integration in software and hardware

aspects.

## **Major Elective Courses**

### **Energy Systems**

#### **MEC 460 Air-Conditioning Systems**

*Credit Hours: 3*  
*Prerequisite: MEC 420*

This course aims to provide students with in-depth understanding of Types of air-conditioning systems, cooling load calculations, A/C cycles and control, air distribution systems: ducting design and air supply, air distribution fans design. Chilled water systems: water chillers, design of water distribution systems. Matching of different components of the system, vibration and noise problems in the air conditioning systems.

#### **MEC 461 Internal Combustion Engines**

*Credit Hours: 3*  
*Prerequisite: MEC 321*

This course aims to provide students with in-depth understanding of engines, fuels and exhaust emissions. Topics include introduction and classifications of engines, fuel air and actual cycles, thermo-chemistry of combustion processes, flame types, chemical kinetics, normal and abnormal combustion in spark ignition and compression ignition engines, air pollution from combustion systems, engine performance and testing, non-conventional engines.

#### **MEC 462 Energy Management**

*Credit Hours: 3*  
*Prerequisite: MEC 420*

Energy management principle, Energy auditing process, utility rate structures, economic principles and life cycle cost. Energy management applications in buildings, boilers and thermal systems, waste heat recovery, electrical systems, motors and insulation material. Impact of controllers and simulation programs on overall energy management.

### **MEC 463 Turbomachinery**

*Credit Hours: 3*  
*Prerequisite: MEC 420*

An introduction to the fundamentals of modern turbomachinery. Emphasis will be placed on gas (combustion), steam, wind and hydraulic turbomachinery. Applications of the principles of fluid mechanics, thermodynamics and aerodynamics to the design and analysis of turbines and compressors are incorporated. Students are expected to have a solid background in undergraduate fluid mechanics and thermodynamics.

### **MEC 464 – Power Plants**

*Credit Hours: 3*  
*Prerequisite: MEC 321 + MEC 420*

Forms of energy, oil, gas and coal. Combustion processes, energy cycles. Steam generators and their component design. Turbines. Load curves. Field trips to power plants and other energy installations.

### **Materials and Manufacturing**

#### **MEC 431 Computer Aided Machine Design**

*Credit Hours: 3*  
*Prerequisite: MEC 430*

This course aims at covering the theory and application of design methods for complicated machine components. Computers will be used to help design integrated systems. The course also focuses on gaining skills in self research, critical thinking and working within design groups. Topics covered include design of journal and rolling-element bearings, gears and gear boxes, clutches, couplings, and brakes. Ethical issues and Entrepreneurial opportunities and case studies will be explored throughout the course.

#### **MEC 470 Composites Materials Design**

*Credit Hours: 3*  
*Prerequisite: MEC 300 + MEC 302*

This course aims to provide students with the knowledge of composite materials including the constitutive





materials, manufacturing processes, performances, and design approaches.

### **MEC 471 Introduction to Computer Aided Manufacturing**

*Credit Hours: 3*  
*Prerequisite: MEC 301*

This course aims to provide students with the fundamentals of computer-aided manufacturing. Topics include: Computer numerical control, application of geometrical modeling, part programming, and introduction to computer integrated manufacturing. Students gain hands-on skills in using a computer aided manufacturing package and computer numerical control machine tools. The course also provides students with the awareness of entrepreneurial activities in manufacturing.

### **MEC 472 Mechanics of Materials II**

*Credit Hours: 3*  
*Prerequisite: MEC 302*

Advanced topics in solid mechanics including energy methods, the principle of virtual work, pressure vessels, buckling, aspects of elasticity, curved beams, fracture mechanics, and their software assisted application to the reliable design of structures. The three fundamental aspects of these problems include equilibrium, geometric compatibility, and material constitutive laws.

### **MEC 473 Non-Conventional Manufacturing**

*Credit Hours: 3*  
*Prerequisite: MEC 301*

Principle and working and applications of unconventional machining process such as Electro-Discharge machining, Electro chemical machining, ultrasonic machining, Abrasive jet machining.

### **MEC 474 Fracture & Fatigue Control in Design**

*Credit Hours: 3*  
*Prerequisite: MEC 430*  
*Co Requisite: MEC 465*

This is a foundation course in the area of fracture and fatigue considerations in mechanical design. The course

provides unified treatment for the failure analysis of mechanical components subjected to monotonic and cyclic loading. Design based on fracture mechanics is introduced and various fracture mechanics measures are discussed. Fatigue crack initiation (FCI) and fatigue crack propagation (FCP) are discussed. The course highlights practical and analytical aspects of fatigue failure in mechanical components and the concept of remaining life of mechanical components. The course is aimed at giving student the basic techniques for designing mechanical components based on fracture and fatigue considerations and for developing expertise in the area of enhancing fatigue life of engineering components. The use of commercial program in a project type of work will be employed and ethical and autonomous learning techniques will be considered throughout the course where relevant.

## **Mechatronics**

### **MEC 481 Introduction to Robotics**

*Credit Hours: 3*  
*Prerequisite: CSC 201*

Mathematical modeling of robots with an emphasis on planning algorithms. Fundamentals of robot sensors and sensor processing algorithms. Robot control architectures and programming. Selected topics in mobile robotics.

### **MEC 482 Introduction to Mechatronics**

*Credit Hours: 3*  
*Prerequisite: MEC 390 + MEC 410*

This course aims to provide students with an introduction to, and hands-on skills for, mechatronics elements. Topics include: statics, dynamics and statistical characteristics of measurement systems, measuring fundamental properties; transducers for measuring position, velocity and acceleration, fluid flow, temperature, pressure and strain, signal conditioning and problems, operational amplifiers, integrators, differentiators, diode circuits and

applications, bipolar junction transistors and field-effect transistors theory and applications, analog to digital/digital to analog conversions, and microprocessor applications. The course also includes weekly lab sessions which focus on gaining hands-on skills with mechatronics components and devices. The course also aims to familiarize students with entrepreneurial opportunities related to mechatronics, as well as to increase their commitment to ethical practices and to social and environmental issues.

### **MEC 483 Mechatronic System Design**

*Credit Hours: 3*  
*Prerequisite: MEC 482*

This course is an introduction to Mechatronics, or the interfacing of mechanical and electrical systems. Focus is on embedded controllers and their programming, power and interfacing electronics, actuators, sensors, and integration of these components to create a complete functional mechatronic system.

## **Aerospace**

### **MEC 490 Compressible Fluid Mechanics**

*Credit Hours: 3*  
*Prerequisite: MEC 350*

Integral form of conservation laws. One dimensional compressible flow with friction and heat. Normal and oblique shock waves. Prandtl-Meyer expansion. Differential form of conservation laws. Unsteady wave motion. 2-D subsonic, supersonic, and hypersonic flow.

### **MEC 491 Aerodynamics**

*Credit Hours: 3*  
*Prerequisite: MEC 350*

Introduction to the basic principles and properties of fluid flow around immersed bodies. Topics include the kinematics and dynamics of fluid fields, the thin airfoil, finite wing theory, and one-dimensional compressible flow.



### **MEC 492 Aerospace Propulsion**

*Credit Hours: 3*

*Prerequisite: MEC 350*

Basic one-dimensional flows: isentropic, area change, heat addition. Overall performance characteristics of propellers, ramjets, turbojets, turbofans, rockets. Performance analysis of inlets, exhaust nozzles, compressors, burners, and turbines. Rocket flight performance, single-/ multi-stage chemical rockets, liquid/ solid propellants.

### **MEC 493 Aerospace Structures**

*Credit Hours: 3*

*Prerequisite: MEC 350 + MEC 302*

Advanced strength of materials analysis of elastic structures with aerospace applications. Failure modes and criteria, buckling, matrix methods for analysis, plane truss design. Energy and Castigliano methods for statically determinate and indeterminate structures.



# توصيف المسابقات لتخصصي

بكالوريوس في الإعلام باللغة العربية  
بكالوريوس في القانون باللغة العربية

369-376







## كلية الآداب والعلوم بكالوريوس في الإعلام باللغة العربية

### متطلبات البرنامج الإلزامية

#### المساقات الإلزامية

##### مبادئ العلوم السياسية PSIR311

الساعات المعتمدة: 3  
المتطلب السابق: لا يوجد

يتناول هذا المساق التعريف بمبادئ علم السياسة من حيث تعريف علم السياسة وعلاقته بالعلوم الأخرى والمراحل التاريخية لتطوره، مبيّناً نشأة الدولة وأركانها وسيادة الدولة والشعب وأنواع الدول، وكذلك الحكومات وأنواعها، وتعريف الدساتير وأنواعها وأساليب نشأتها وإنائها، والسلطات الثلاث في الدول والفصل بينها وكذلك تعريف الأحزاب السياسية وجماعات الضغط وتشكيل الرأي العام، ومن ثم الأنظمة السياسية طبيعتها وتصنيفها

##### مبادئ الاقتصاد PELA 219

الساعات المعتمدة: 3  
المتطلب السابق: لا يوجد

مادة مبادئ اقتصاد كلي هي مقدمة لعلم الاقتصاد الكلي وتشمل مواضيع تعرف باساسيات الاقتصاد والمفاهيم الرئيسية المتعلقة به. ومن الأمثلة على المواضيع المدرجة في المادة تحديد الناتج القومي والمحلي وطرق قياسه، البنوك، النقود، السياسات المالية والنقدية، التضخم والبطالة، النمو الاقتصادي والتنمية من وجهة النظر الكلية للاقتصاد.

##### مدخل إلى علم الاجتماع SOCIO 200

الساعات المعتمدة: 3  
المتطلب السابق: (MA) ENG200

يهدف هذا المساق الى التعريف بعلم الاجتماع ونشأته وتطوره وعلاقته بالعلوم الاجتماعية الأخرى، وتحليل بعض الموضوعات الرئيسة مثل: الثقافة والشخصية، البناء الاجتماعي، التنشئة الاجتماعية، التفاعل الاجتماعي، العمليات الاجتماعية والنظم الاجتماعية، دراسة التحولات الاجتماعية وإمرازاتها المختلفة.

##### مدخل إلى الصحافة MCA 201

الساعات المعتمدة: 3  
المتطلب السابق: 100 ARL

يتناول هذا المساق المفهوم العلمي للصحافة وأهميتها، وظائف الصحافة، أنواع الصحف، التحرير الصحفي: مفهوم التحرير الصحفي وأهميته، والفنون الصحفية (الخرى/ التقرير/ الحديث/ التحقيق/ المقال)، ووكالات الأنباء العالمية

##### مدخل إلى الإذاعة والتلفزيون MCA 202

الساعات المعتمدة: 3  
المتطلب السابق: 100 ARL

يناقش المساق التطور التاريخي للراديو والتلفزيون، والخصائص الفنية لكل منهما. مكونات الاستوديو الإذاعي والتلفزيوني، وأنواع الميكروفونات والتجهيزات الصوتية، والكاميرات التلفزيونية وغرفة المراقبة وتعريف عام لأنظمة المونتاج الإلكتروني. كما يتناول أشكال البرامج المختلفة في كل من الإذاعة والتلفزيون

##### مدخل إلى العلاقات العامة والإعلان MCA 203

الساعات المعتمدة: 3  
المتطلب السابق: 100 ARL

يركز المساق على الأصول العلمية للعلاقات العامة، والإعلان، متناولاً مفهوم كل منهما، وأهميتهما وتطورهما التاريخي، والفروق بينهما وبين غيرهما من أشكال الاتصال الأخرى والعلاقة بينهما. يتناول المساق أساليب تنظيم وإدارة العلاقات العامة ومواصفات العاملين بها، وعملية العلاقات العامة والتي تشمل البحوث والتخطيط والاتصال والتقديم، كما يتناول تعريف الإعلان والعناصر المكونة له، واستخدامات الإعلان ووظائفه، والتقسيمات المختلفة للإعلان وأنواعه، كما يناقش التأثيرات الاقتصادية والاجتماعية للإعلان، وخصائص الوسائل الاتصالية المستخدمة في الإعلان، كما يتطرق هذا المساق إلى الانتقادات الموجهة للإعلان.

##### MCA 204 مناهج البحث العلمي

الساعات المعتمدة: 3  
المتطلب السابق: (A) STT100

يتضمن المساق استعراض أسس البحث العلمي ومناهجه وأساليبه وإجراءاته وتقنياته. ويركز المساق على أساليب البحث في الإعلام كمثال السمع وتحليل المضمون ودراسته الحالية وكذا إجراءات البحث بدءاً باختيار الموضوع وتحديد الإشكالية إلى وصف النتائج وتحليلها ونقدها. ويشمل المساق تطبيقات ميدانية تمكن الطالب من اكتساب أدوات البحث بما في ذلك استخدام الحاسب في ترميز البيانات واستخراج الجداول وتفسير البيانات.

##### MCA 205 الرأي العام

الساعات المعتمدة: 3  
المتطلب السابق: (A) FWS205

يتناول المساق دراسة مفهوم الرأي العام وعناصره وأنواعه المختلفة والإمكانيات الإعلامية للتأثير به وتوجيهه. كما يناقش كيفية تكوينه وتغيره، وعلاقته بالأنظمة الاجتماعية والاقتصادية والسياسية والخلفية الثقافية وعوامل التنشئة الاجتماعية، وتأثير وسائل الاتصال الجماهيرية عليه وبعض أساليب قياسه.

##### MCA 206 التصوير الرقمي

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: (MA) ENG200

يهدف هذا المساق إلى التعرف على إمكانيات التصوير الرقمي وتعلم تقنياته، ومن خلاله يمكن للطلاب التعرف على كيفية عمل آلة التصوير الرقمية وعلى نقاط الاختلاف بين آلة تصوير الفيلم وآلة التصوير الرقمية، والتدريب على اللقطات الفنية والقدرة على عرض الصور من آلة التصوير الرقمية وتوصيل الآلة بالحاسب والتلفاز، القدرة على ضبط جودة الصور وحفظها من آلة التصوير الرقمية وانتقالها إلى الحاسب والقرص المضغوط، القدرة على التعامل مع أساسيات برنامج الفوتوشوب، القدرة على تحديد تصحيح ومعالجة الصور وعرض مختلف التأثيرات على الصور وطباعتها. وفي نهاية المساق يطلب من الطالب إعداد مشروع مصور حول قضية ما.

##### أسس النقد الأدبي والفني MCA 207

الساعات المعتمدة: 3  
المتطلب السابق: 100 ARL

يناقش المساق النظرية النقدية ومدارسها. مفهوم النقد الأدبي، عناصر النقد الفني والفكري مع التطبيق على وسائل الإعلام المقروءة والمسموعة والمرئية والتفاعلية. مع عرض نماذج تطبيقية في النقد الإعلامي، وتقييمها. كما يقوم الطالب بتقييم ونقد بعض المواد الفنية والأدبية والإعلامية.

##### MCA 208 الترجمة

الساعات المعتمدة: 3  
المتطلب السابق: (MA) ENG200

يقدم المساق تعريف بأهمية الترجمة في مختلف مجالات العمل، كما يتناول القواعد العامة للترجمة، مع التركيز على أسس الترجمة الإعلامية والصحفية. ترجمة الأخبار السياسية والاقتصادية والثقافية وأخبار الكوارث، ويهتم بشكل أساسي بإمداد الطلبة بتطبيقات عملية في الترجمة من الإنجليزية إلى العربية وبالعكس.

##### قوانين الإعلام وأخلاقياته MCA 209

الساعات المعتمدة: 3  
المتطلب السابق: 201 MCA

يناقش المساق أهمية القوانين والأخلاقيات في ممارسة العمل الإعلامي وأهم الموانع الأخلاقية والقوانين التي تنظم العمل الإعلامي في العالم، ومسؤوليات وسائل الإعلام تجاه المجتمع والإنسانية عموماً، كما يتطرق لمناقشة أخلاقيات البحث العلمي في مجال الإعلام.



## الإعلام وإدارة الأزمات MCA 210

الساعات المعتمدة: 3

المطلب السابق: MCA 205

يتناول المساق أداء الإعلام خلال الأزمات، ويناقش تعريف الأزمات ويميز بينها وبين المصطلحات الأخرى ذات الصلة مثل المشكلة والحدث، ويتناول العوامل المؤثرة في فهم طبيعة الأزمات، ثم دورة حياة الأزمة، و يناقش المساق إدارة القضايا ومواجهة الضغوط، ويستعرض الاتصال ودوره في مرحلة ما قبل الأزمة، وفي الأزمة نفسها، وفي مرحلة ما بعد الأزمة.

## إدارة المؤسسات الإعلامية MCA 211

الساعات المعتمدة: 3

المطلب السابق: MCA 201, MCA 202 or MCA 203

يناقش هذا المساق كيفية إدارة المؤسسات الإعلامية من حيث، مركزية العمل، والتخطيط الاستراتيجي، ووضع جدول زمني لإنجاز المواد الصحفية، ويعنى بكيفية تنظيم الموارد المادية، وإقامة شبكة علاقات واسعة مع مصادر الأنباء، بغرض تجميع أكبر عدد ممكن من الجمهور حول هذه المؤسسة، كما يركز على تطوير الموارد البشرية في المؤسسات الصحفية، وصياغة السياسات والإجراءات العامة لها.

## الاتصال الدولي MCA 212

الساعات المعتمدة: 3

المطلب السابق: MCA 205

يتضمن المساق استعراض قنوات الاتصال الدولي (المطبوعة و السموعة و المرئية) من حيث تاريخها و تطورها و أهدافها وممارساتها و تفاعلاتها - وكذا القضايا التي يطرحها الاتصال الدولي خاصة على الثقافة و المجتمع في الدول النامية، ويعتمد المساق على نماذج عملية من هذا الاتصال كدراسة المضمون الإخباري في عدد من هذه القنوات وأثر ذلك على الصورة التي تنقلها هذه عن المجتمعات المختلفة خاصة المجتمع العربي والإسلامي- كما يتناول المساق الجدال القائم حول مفهوم العولمة وأثر التكنولوجيا على التغطية الإعلامية الدولية.

## مادة إعلامية باللغة الانجليزية MCA 213

الساعات المعتمدة: 3

المطلب السابق: (MA) ENG200

يدرس الطالب في هذا المساق موضوعات إعلامية باللغة الإنجليزية، وأهم نظريات الإعلام باللغة الإنجليزية، مع التركيز على تزويد الطلبة بالمصطلحات والمفردات الإخبارية، ويهدف إلى تزويد الطالب بحصيلة من المصطلحات الإعلامية باللغة الإنجليزية.

## الاتصال الشفهي MCA 214

الساعات المعتمدة: 3

المطلب السابق: MCA 201 or MCA 202 or MCA 203

يساعد المساق على تطوير قدرة الطلاب على التحدث بثقة وفعالية في مجموعة متنوعة من الحالات الخطابية. سيقوم الطلاب بإعداد وتقديم أنواع مختلفة من الخطب. ويولى المساق اهتماماً خاصاً لنمط الإقناع، والمصادقية في الخطابة، وما يتضمنه من عناصر الاتصال غير اللفظي.

## نظريات الاتصال MCA 215

الساعات المعتمدة: 3

المطلب السابق: MCA 201, MCA 202 or MCA 203

يهدف المساق إلى تعريف الطلاب بأهمية النظرية في المجال الإعلامي، و الإلمام بالنماذج الاتصالية المختلفة، و يتناول بالشرح و التحليل نماذج الاتصال و نظرياته الحديثة، و كيفية تطبيق هذه النظريات في البحوث الإعلامية.

## مناهج البحث العلمي MCA 204

الساعات المعتمدة: 3

المطلب السابق: (A) STT100

يتضمن المساق استعراض أسس البحث العلمي ومناهجه وأسابيحه وإجراءاته وتقنياته. ويركز المساق على أساليب البحث في الإعلام كمثال السمع وتحليل المضمون ودراسة الحالة وكذا إجراءات البحث بدءا باختيار الموضوع وتحديد الإشكالية إلى وصف النتائج وتحليلها ونقدتها. ويشمل المساق تطبيقات ميدانية تمكن الطالب من اكتساب أدوات البحث بما في ذلك استخدام الحاسب في ترميز البيانات واستخراج الجداول وتفسير البيانات.

## مسار الإذاعة والتلفزيون

### RTV 300 التصوير التلفزيوني

الساعات المعتمدة: 3

المطلب السابق: MCA 202

يهدف هذا المساق إلى تعريف الطالب بأسس التصوير التلفزيوني والتعرف على أنواع الكاميرات وأجزائها، والتعرف على طبيعة عمل المصور ودوره ومؤهلاته وأدواته ومستلزماته ومهاراته، كمت يعرف المساق الطالب بعلاقة التصوير بالإضاءة والإخراج والمونتاج، والتعرف بأنواع التصوير الداخلية والخارجية وأنواع اللقطات وأحجامها وزوايا التصوير المختلفة. كما يهدف المساق إلى ضبط جودة التصوير وإجراءات السلامة الشخصية وسلامة الأدوات والتعرف على المشكلات المتكررة والطائرة و كيفية معالجتها. كما يلقي المساق الضوء على مصادر الإضاءة وشبكات الإضاءة التلفزيونية وكيفية توظيفها للخدمة التصوير.

## الكتابة للإذاعة والتلفزيون RTV 301

الساعات المعتمدة: 3

المطلب السابق: MCA 202

في هذا المساق يدرس الطالب استعمال مفردات اللغة الإذاعية المسموعة: الكلمة المنطوقة، والمؤثرات السمعية والصوتية والموسيقى والصمت، بمشاركة بقية العناصر والمفردات الإذاعية. كما يشمل البرامج الإذاعية: الإخبارية منها والدرامية والترفيهية، كما يتناول التحرير التلفزيوني الذي يدخل الطالب إلى عالم الصورة الناطقة وكيفية التعامل مع العناصر الأخرى المساعدة لها، كالكلمة والموسيقى والمؤثرات السمعية البصرية. كما يشمل دراسة مختلف البرامج التلفزيونية، لاسيما البرامج الإخبارية، وكيفية كتابة السيناريو للتلفزيون، وخاصة الدرامية.

## الدراما الإذاعية والتلفزيونية RTV 302

الساعات المعتمدة: 3

المطلب السابق: MCA 202

يركز المساق على تعريف الطالب بمفهوم الدراما: أشكالها وصورها، نشأتها وتطورها وكذلك عناصر البناء الدرامي وكيفية تقديم الشخصيات الدرامية وخلق التفاعل بينها. كما يهدف المساق إلى تنمية مهارة النقد السليم لدى الطالب من خلال تقييم مجموعة أعمال درامية متميزة في السينما والتلفزيون.

## الأخبار الإذاعية والتلفزيونية RTV 303

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + ساعة عملي)

المطلب السابق: MCA 202

يتناول المساق تدريب الطلاب على التحرير الإذاعي بجميع أنواعه، وتمكينهم من عمل نشرات إخبارية (سواء تحرير أو إعداد، أو إلقاء)، ومن ثم عمل برامج إخبارية (مقابلات، مناقشات، حوار ... الخ)، وكذلك إعداد بعض التقارير الإخبارية، وعمل المونتاج لها.

## RTV 304 الإلقاء الإذاعي والتلفزيوني

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + ساعة عملي)

المطلب السابق: RTV 303

يتضمن المساق استعراض أسس البحث العلمي ومناهجه وأسابيحه وإجراءاته وتقنياته. ويركز المساق على أساليب البحث في الإعلام كمثال السمع وتحليل المضمون ودراسة الحالة وكذا إجراءات البحث بدءا باختيار الموضوع وتحديد الإشكالية إلى وصف النتائج وتحليلها ونقدتها. ويشمل المساق تطبيقات ميدانية تمكن الطالب من اكتساب أدوات البحث بما في ذلك استخدام الحاسب في ترميز البيانات واستخراج الجداول وتفسير البيانات.

## الإنتاج الإذاعي RTV 305



### الساعات المعتمدة: 3

المتطلب السابق: MCA 202

This course provides students with the first-hand knowledge about audio production concepts and techniques using audio laboratory and studio equipment. Areas covered include basic non-linear audio recording and editing, delivery techniques, audio equipment, and radio programming and production. The course will be offered as 2+2 basis.

### الإنتاج التلفزيوني RTV 306

الساعات المعتمدة: 3

المتطلب السابق: RTV 300

This course offers the students an introduction to the world of TV production. This course will incorporate both studio and field production techniques using digital technology. It offers the students a practical guide to professional TV production techniques. Using lectures, screenings and hands-on studio, students will gain a more in-depth understanding of video production and the business of video production. Technical and aesthetic aspects of scripting, lighting, camera work, continuity, post production, logistics and budgeting will be incorporated into this course.

### RTV 307 المونتاج التلفزيوني

الساعات المعتمدة: 3

المتطلب السابق: RTV 306

يهتم المساق بإمداد الطلاب بمهارات مونتاج التقارير الإخبارية التلفزيونية الخطية واللا خطية، للتعرف على نظام عمل غرفة الأخبار وإدارتها، معرفة طبيعة الأدوات التي يجب على الصحفي التلفزيوني استخدامها، ومسؤولياته ومهاراته وفقاً لطبيعة وسيلة التلفزيون وثقافة الكلمة والصورة. ويتم استخدام صيغة 2+2 لتدريس المساق.

### مشروع تخرج في الإذاعة والتلفزيون RTV 401

الساعات المعتمدة: 3

المتطلب السابق: RTV 301+MCA305+MCA306

يتم تدريب الطلاب على التحرير التلفزيوني وعلى استعمال الكاميرات لأغراض عملية، وكذلك على المنتجة لإعداد نشرة أخبار كاملة، ومن ثم عمل برنامج إخباري (تصويراً وتقديمياً). ويركز المساق على التأكد من قدرة الطلاب على إنتاج تقارير إخبارية تغطي الأحداث الجارية في جميع الإمارات العربية، على أن يقوم الطلبة بتصوير وإعداد وكتابة السيناريوهات لهذه التقارير.

### MCA 400 التدريب الميداني

### الساعات المعتمدة: 3

المتطلب السابق: إنجاز 90 ساعة معتمدة

يهتم المساق بإمداد الطلاب بمهارات مونتاج التقارير الإخبارية التلفزيونية الخطية واللا خطية، للتعرف على نظام عمل غرفة الأخبار وإدارتها، معرفة طبيعة الأدوات التي يجب على الصحفي التلفزيوني استخدامها، ومسؤولياته ومهاراته وفقاً لطبيعة وسيلة التلفزيون وثقافة الكلمة والصورة. ويتم استخدام صيغة 2+2 لتدريس المساق.

### مسار العلاقات العامة والإعلان

الكتابة للعلاقات العامة PRAD 301

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: MCA 203

يتيح هذا المساق للطلاب تطبيق الأسس والقواعد النظرية للعلاقات العامة لتطوير وتحديث وصياغة الرسائل الإعلامية التي تستخدم لتحقيق أهداف برامج وحملات العلاقات العامة المختلفة، ويتعلم الطالب في هذا المقرر مختلف أشكال وأنماط التواصل الإقناعي الموجه لجماهير العلاقات العامة والإستراتيجية. وتشمل هذه الأشكال: البيانات الإخبارية- الخطب والكلمات- المذكرات والتقارير- إعلانات العلاقات العامة- تحرير النشرات والمطويات والملصقات- تحرير المواد السمعية والبصرية- تحرير المواد الإلكترونية، كما يهتم المساق بتزويد الطالب بخصائص الرسائل المختلفة وتعليم قواعد كتابتها وكيفية استخدامها ضمن إستراتيجية العلاقات العامة، بالإضافة إلى تعليم الطالب التحليل الناقد لتقوم هذه الرسائل بما يخدم أهداف العلاقات العامة.

### PRAD 302 الاتصال التنظيمي

الساعات المعتمدة: 3

المتطلب السابق: MCA 203

يهتم المساق بالتأكيد على أهمية الاتصال التنظيمي في كفاءة عمل المنظمات حيث يتناول بالشرح شبكات الاتصال واتجاهات تدفق المعلومات وعوائق الاتصال في المنظمات، كما يتناول تأثير الاتصالات الرسمية وغير الرسمية على الإنتاج وكفاءة العمل. ويؤكد المساق على ضرورة اعتماد الوظائف الإدارية المختلفة على مجموعة متكاملة من الاتصالات الفعالة. علاوة على أهمية الاتصالات التنظيمية ودورها في اتخاذ القرارات الجماعية، والقيادة وتأثيرها في الآخرين.

### دراسة حالات في العلاقات العامة والإعلان PRAD 303

الساعات المعتمدة: 3

المتطلب السابق: MCA 203

يتسم المساق بطبيعة نظرية وعملية. ويعتبر

تطبيق عملي لأساليب ممارسة العلاقات العامة في مواجهة الأزمات المعاصرة. وعليه فيطلب تدريسه تقديم الجانب العلمي لتحليل الأزمة وإدارة القضايا والتحديات التي تواجه المنظمات من وجهة نظر العلاقات العامة التي تتحمل مسؤولية اتصالية واجتماعية في المجتمع المعاصر. كما يعتمد المساق على حالات دراسية متنوعة محلية وعربية وأجنبية لأزمات معاصرة وكيفية استخدام الاتصال في التأثير على الجماهير ومواجهة الأزمات.

### تخطيط حملات العلاقات العامة PRAD 304

الساعات المعتمدة: 3

المتطلب السابق: PRAD 301

يتناول المساق المفاهيم والأسس النظرية والخطوات العلمية والمهارات التخطيطية والتخطيطية الضرورية لتطوير وإعداد حملات إعلامية ناجحة، يناقش المساق الخطوات المتتالية لتخطيط الحملة بدءاً من مرحلة وضع الخطة الأولية وانتهاء بالتنفيذ ومن ثم التقييم العام لنتائجها، يركز المساق على تطوير كفاءة الطلاب في التحرير المهني المتخصص، تطوير قدراتهم على وضع خطط إستراتيجية لحملات وإعلامية وإعلانية ناجحة، وفي هذا الإطار يمكن للطلاب الإلمام بأسس التخطيط الاستراتيجي وإدارة الحملات، والتعرف على كافة العوامل المؤثرة في نتائج الحملات الاتصالية للعلاقات العامة والإعلان.

### إنتاج المواد الإعلامية للعلاقات العامة والإعلان PRAD 305

الساعات المعتمدة: 3

المتطلب السابق: MCA 206

يهتم المساق بتعليم الطالب الأسس والقواعد الفنية والتطبيقية لتصميم وإنتاج الرسائل المطبوعة والمسموعة والمرئية والإلكترونية المستخدمة في العلاقات العامة والإعلان وفي هذا الإطار يتعلم الطالب مفاهيم أساسية وقواعد التصميم للجرافيكس واستخدام برامج الكمبيوتر مثل Photoshop، 3D Max Basic، Adobe Illustrator لتعليم الطالب الأسس والقواعد النظرية للتصميم والابتكار في الرسائل الإعلامية، كما يتناول المساق طرق ومهارات عملية التصميم والإنتاج للرسائل الإعلانية، وتشمل الصحف والمجلات ومجلات المنشأة، التقارير السنوية، المطويات، والملصقات، والبروشورات، والحفائظ الإعلامية، والتقارير والبيانات المسموعة، والتقارير المرئية، والأفلام التعريفية والوثائقية، والمواقع الإلكترونية.

### البروتوكول والإتيكيت PRAD 306

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: MCA 203



### مساق النشر الصحفي JOUR304

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)  
المتطلب السابق: MCA 206

يعنى هذا المساق بالنشر للصحف بأنواعها، ويتناول تجهيزات ما قبل الطبوع والنشر الصحفي، ويتناول بالشرح والتطبيق المعالجات الخاصة بالنصوص والصور والرسوم وفصل الألوان وإمكانية توظيف الألوان في المطبوعات والتوضيب الإلكتروني للصفحات من خلال برامج النشر المختلفة.

### صحافة البيانات Jour 305

الساعات المعتمدة: 3  
المتطلب السابق: Jour 302

This course will develop students' skills and techniques necessary for using statistical information effectively in the journalism. Data collection, analysis and interpretation data are essential skills for journalists in the 21st Century, especially those who cover scientific and technical subjects. Students will scrutinize techniques used in previously published projects and will also analyze data on their own, evaluating and producing tables, charts and diagrams using a variety of basic desktop software, web tools and basic scripting and programming.

### صحافة الانترنت MAC 322

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)  
المتطلب السابق: JOUR 302

The course teaches various forms of new digital media, including social networking sites, blogs and optimized website content. Students also learn about the differences between online writing and traditional journalism, as well as becoming proficient in how best to tailor their writing style to the specific interactive medium for which they're writing. HTML coding, graphic design and information technology are also covered

### JOUR 307 الحملات الصحفية

الساعات المعتمدة: 3  
المتطلب السابق: JOUR303

يناقش المساق إعداد الحملات الصحفية، وعناصرها من حيث اختيار الموضوع، والتخطيط والتنفيذ والتقييم، ويطلب من الطالب وضع خطة لحملة صحفية لخدمة أحد قضايا المجتمع الهامة.

الطالب.

### MCA 400 التدريب الميداني

الساعات المعتمدة: 3

المتطلب السابق : إنجاز 90 ساعة معتمدة

يهتم المساق بإعداد الطلاب بمهارات مونتاج التقارير الإخبارية التلفزيونية الخطية واللا خطية، للتعرف على نظام عمل غرفة الأخبار وإدارتها، معرفة طبيعة الأدوات التي يجب على الصحفي التلفزيوني استخدامها، ومسؤولياته ومهاراته وفقا لطبيعة وسيلة التلفزيون وثقافة الكلمة والصورة. ويتم استخدام صيغة 2+2 لتدريس المساق.

### مسار الصحافة

#### الصحافة العربية والعالمية JOUR301

الساعات المعتمدة: 3

المتطلب السابق: MCA 201

يناقش المساق نشأة أهم الصحف وتطورها، والمجلات، والإذاعات، وبرامج التلفزيون في العالم العربي، مع التركيز على القضايا الآتية الهامة، كنظم الإعلام في العالم العربي، ومسألة الرقابة، وحرية الرأي، والتعبير، والنشر، والبيت، وما إلى ذلك على المستوى الإقليمي والدولي.

#### كتابة الخبر الصحفي ومصادره JOUR 302

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: MCA 203 + MCA 201

يدرس هذا الجزء من مساق التحرير الصحفي الأسس النظرية، وقواعد الكتابة والتنظيم، لمختلف الفنون الصحفية، ويعتبر الأساس الأول لبناء الصحيفة وتكوينها. والخبر هو أهم فنون التحرير الصحفي، فهو يشكل صلب المادة الإعلامية للصحيفة، ويعطيها قيمتها الإخبارية، ويدرس الطالب في هذا المساق فن تحرير الخبر نظرياً وعملياً ويقوم بالتدريب على أجهزة التحرير في الساعات العملية المخصصة لذلك.

#### كتابة التحقيق الصحفي JOUR 303

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: JOUR 302

يتناول هذا المساق التحقيق الصحفي كأحد الأشكال الصحفية، ويناقش مبادئ وقواعد إعداد التحقيقات الصحفي، والدور الاجتماعي للتحقيق الصحفي، و مراحل إعداده بداية من جمع المعلومات وإجراء المقابلات، وانتهاء بكتابته ونشره. كما يطلب من الطالب إعداد تحقيقاً صحفياً مع نهاية الفصل الدراسي.

يهدف هذا المساق إلى تعريف الطالب بقواعد التعامل وفن الحديث والتعارف ومراسم الزيارة، وتنظيم الزيارات والتشريفات والاستقبال، وقواعد التعارف والاستقبال الرسمية، وبروتوكول الولائم والحفلات في المجتمعات الحديثة، بالإضافة إلى بروتوكول الملابس والأوسمة وغيرها.

#### الاتصالات التسويقية المتكاملة MAC 407

الساعات المعتمدة:

المتطلب السابق: RTV 306

This course emphasizes the preparation of complete advertising and public relations campaigns for business or non-profit organizations. Students will be able to integrate marketing, media research, and market segmentation, and promotion into their projects. A well-defined, planned, creative, and campaign will be presented toward the end of the term.

#### تصميم الإعلان PRAD 307

الساعات المعتمدة: 3

المتطلب السابق: PRAD 305 + ENG100 (MA)

This course is intended emphasize on various aspects of advertising designs, including typography, photography, illustration and layout. Problem solving (the design process) will be also integral to this course. The students will be familiar with all elements of graphic design and advertising design. Different kinds of graphic designs will be discussed. These include brochure design, logo design, poster design, advertising design, editorial design and package design. The course will also address related subjects matter including copy writing, promotions, illustration and photography

#### مشروع تخرج في العلاقات العامة والإعلان PRAD 401

الساعات المعتمدة: 3

المتطلب السابق: PRAD 301+ PRAD 303

يزود هذا المساق الطلاب بالخبرة العملية الفعلية لكيفية سير العمل في مؤسسات الإعلام والعلاقات العامة، حيث يتعرف الطلاب على الأنشطة والمهام الخاصة بالعلاقات العامة من خلال خطة عمل محددة لكل طالب يشترك في وضعها كل من المشرف الأكاديمي والمشرف الميداني للمساق، وفقاً لمجال التخصص الذي يختاره الطالب. ولأن مساق مشروع التخرج في تخصص الإعلام الاستراتيجي مساق تطبيقي ويقدمه الطالب في الفصل الأخير للتخرج ضمن محاور اهتمامه، يجب عليه أن يقدم مشروعاً في العلاقات العامة، إنشاء موقع إلكتروني، إعداد فيلم، إعداد مطبوعة، برنامج إذاعي أو بحث إعلامي في أحد المجالات التي تثير اهتمامات



# كلية القانون

## بكالوريوس في القانون باللغة العربية

### المتطلبات الاجبارية

#### اسم المساق : القانون الاداري

رقم المساق: ADLA205:

المتطلب السابق: INLA105:

الساعات المعتمدة: 3 ساعات

يبحث هذا المساق في تعريف القانون الإداري ونشأته وتطوره في دولة الامارات العربية المتحدة وخصائصه ومصادره وعلاقته بفروع القانون الأخرى ثم يبحث المساق في التنظيم الإداري بصورتيه المركزية، واللامركزية من حيث تعريف كل منهما، ومبررات قيامهما، وعناصرهما. كما يشرح المساق النظام القانوني الذي يحكم كل من الوظيفة العامة والمرافق العامة والوسائل القانونية للإدارة: القرار الإداري والعقد الإداري، والأموال العامة.

#### اسم المساق : المالية العامة والتشريع الضريبي

رقم المساق: BFIA 348 :

المتطلب السابق: PELA 219 :

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة موجزة لمفهوم علم المالية العامة وتعريفه وخصائصه ثم دراسة مفصلة للنفقات العامة (من حيث تعريفها وأركانها وأقسامها وأنواعها كالضرائب والرسوم) ثم الموازنة العامة ومفهومها وخصائصها ومبادئها العامة مع التركيز على السياسة المالية في دولة الإمارات على وجه الخصوص.

#### اسم المساق : مصطلحات قانونية باللغة الانجليزية

رقم المساق: ENLA 208 :

المتطلب السابق: ENG 200 :

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق تعريف الطالب بالمصطلحات القانونية باللغة الانجليزية لفروع القانون والاقتصاد المختلفة مثل القانون المدني والجنائي والدستوري ومبادئ الاقتصاد والمدخل لدراسة القانون.

#### اسم المساق : التدريب العملي الخارجي

رقم المساق: EPLA 495 :

المتطلب السابق: اجتياز (90) ساعة على الاقل بنجاح

#### التصوير الصحفي JOUR 308

الساعات المعتمدة: 3 ساعات (2 ساعة نظري + 2 ساعة عملي)

المتطلب السابق: MCA 206

يشمل المساق الشرح النظري لكيفية تكون الصورة الضوئية وأنواع الكاميرات وأهم مكوناتها، والعدسات المختلفة واستخداماتها، استخدامات الإضاءة في التصوير، كما يمد المساق الطلاب بأهم مبادئ التصوير الصحفي التقليدي والرقمي، ويستعرض أهمية التصوير الصحفي لممارسة العمل الصحفي. الصورة الصحفية وأبعادها المختلفة، إعداد التعليقات على الصور الصحفية، مع التركيز على التطبيقات العملية للتأكد من استيعاب الطلاب للمفاهيم النظرية والتأكد من قدرتهم على التصوير الصحفي.

#### مشروع التخرج في الصحافة JOUR 401

الساعات المعتمدة: 3

المتطلب السابق: JOUR 307 + JOUR 302

يهتم المساق بإعداد الطلاب بمهارات مونتاج التقارير الإخبارية التلفزيونية الخطية واللا خطية، للتعرف على نظام عمل غرفة الأخبار وإدارتها، معرفة طبيعة الأدوات التي يجب على الصحفي التلفزيوني استخدامها، ومسؤولياته ومهاراته وفقاً لطبيعة وسيلة التلفزيون ولثقافة الكلمة والصورة. ويتم استخدام صيغة 2+2 لتدريس المساق.

#### التدريب الميداني MCA 400

الساعات المعتمدة: 3

المتطلب السابق: إنجاز 90 ساعة معتمدة

يعد هذا المساق دراسة عملية وتطبيقية لفنون وعلوم الصحافة، حيث يوظف من خلاله الطالب معارفه وقدراته ومهاراته الصحفية، من خلال إصدار عمل صحفي (نشرة صحفية، صحيفة، مجلة أو غير ذلك)، حيث يقوم الطالب بجمع المادة الصحفية بشكلها المختلفة من خبر وتقرير صحفي وحوار وتحقيق ومقالات وأعمدة وأشكال صحفية خدمية ومتنوعة وصفحات متخصصة ومواد مترجمة، وكتابتها بأسلوب صحفي، ثم القيام بإخراج المادة الصحفية التي قام بجمعها باستخدام برامج النشر الإلكتروني والإخراج الصحفي على جهاز الكمبيوتر. ويعتمد الطالب في جمعه للمادة الصحفية على المصادر الحية، والإنترنت، وتقوم كل مجموعة من الطلاب بإنتاج جريدة أو مجلة مطبوعة باسم جديد ومادة صحفية جديدة على أن يتم تقييم هذا المشروع من قبل الأكاديميين والممارسين.

الساعات المعتمدة: لا يوجد

يتم التدريب الخارجي في الجهات القضائية والقانونية المختلفة.

#### اسم المساق : الأعمال المصرفية والعقود والأوراق التجارية

رقم المساق: BBLA431

المتطلب السابق: CCLA 330

الساعات المعتمدة: 3 ساعات

يتناول القسم الأول من هذا المساق تعريف الأوراق التجارية وخصائصها ودراسة سند السحب فيما يتعلق بشروطه الموضوعية والشكلية، ومقابل الوفاء وتاريخ الاستحقاق وشروطه وخاله رجوع حامل على موقعي السند وشروطه، وسند الأمر وشروطه الموضوعية والشكلية وكيفية تداوله والأحكام المطبقة عليه، والشيك وشروطه الموضوعية والشكلية وتداوله وكيفية تقديمه للوفاء والرجوع وشروطه وتعدد النسخ والتحرير والتقديم، أما القسم الثاني فيتناول العمليات المصرفية من حيث أهمية المصارف في الحياة الاقتصادية والصلة التجارية للأعمال المصرفية والحسابات المصرفية والودائع والحساب الجاري والحوالة والمصرفية كالخصم والكفالات والاعتماد المستندي وخطاب الضمان. وأخيراً يتناول المساق العقود التجارية من حيث أهميتها وخصائصها وأهم هذه العقود مثل البيع التجاري والرهن التجاري.

#### اسم المساق : العقود المسماة

رقم المساق: CCLA320:

المتطلب السابق: RCLA310:

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالعقود المسماة وتقسيماتها، والتركيز على دراسة بعض العقود ذات الأهمية العملية مثل عقد البيع والمقاوله من حيث تعريف كل منهما وخصائصهما وتمييز كل عقد عن غيره، وأركان كل عقد وآثاره، وحقوق والتزامات الطرفين وطرق انقضاء كل عقد.

#### اسم المساق : الشركات التجارية والأفلاس

رقم المساق: CCLA 330 :

المتطلب السابق: COLA 200 :

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة التعريف بالشركات التجارية، والأحكام العامة للشركات من حيث أركان الشركة والشخصية المعنوية للشركة وانقضاء الشركة، والأنواع المختلفة للشركات: شركات الأشخاص وشركات الأموال والشركات ذات الطبيعة المختلطة، ومفهوم الإفلاس وأحكامه وتمييزه عن غيره والآثار المترتبة عليه.



## اسم المساق : القانون التجاري

رقم المساق : 200 COLA

المطلوب السابق : 105 INLA

الساعات المعتمدة : 3 ساعات

يتناول المساق دراسة الموضوعات التالية: التعريف بالقانون التجاري وخصائصه ومصادره، وطبيعته، ومعايير التمييز بين العمل التجاري والعمل المدني والأثار القانونية المترتبة على ذلك . أنواع الأعمال التجارية: الأعمال التجارية بحكم ماهيتها الذاتية والأعمال التجارية بالتبعية والأعمال المختلطة، ويبحث المساق في التاجر والأهلية التجارية وشروط اكتساب صفة التاجر والتزاماته، واحكام المحل التجاري: مفهومه، عناصره، وحمايته والتصرف فيه

## اسم المساق : التنفيذ الجري

رقم المساق : 420 EILA

المطلوب السابق: 306 PCIA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق مفهوم التنفيذ كصورة من صور الحماية القضائية وأركان التنفيذ، السلطة المختصة بالتنفيذ (قاضي التنفيذ واختصاصاته)، وأطراف التنفيذ، احكام وشروط المستندات التنفيذية، محل التنفيذ والأموال التي لا يجوز الحجز عليها، مقدمات التنفيذ وإجراءاته وطرقه ، اجراءات واحكام بيع الاموال الموقولة وغير الموقولة في المزاد العلني، منازعات التنفيذ، توزيع حصيلة التنفيذ.

## اسم المساق : أصول الفقه

رقم المساق : 340 FFLA

المطلوب السابق: 229 PALA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بعلم أصول الفقه وأهميته، مفهوم الدليل الشرعي والعقلي والأدلة القطعية والظنية ومراتب الأدلة، ومصادر التشريع (القرآن الكريم والسنة النبوية والاجماع والقياس والمصلحة والاستحسان والعرف وسد الذرائع)، الحكم الشرعي وأهميته وأنواعه، تفسير النصوص، أقسام اللفظ ودلالته، وطرق استنباط الأحكام الشرعية.

## اسم المساق : بحث التخرج

رقم المساق : 499 GPLA

المطلوب السابق: اجتياز (90) ساعة على الاقل بنجاح

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة تطبيقية لطرق وأساليب البحث وكيفية اختيار موضوع البحث وإعداد بحث علمي في التخصص الذي يختاره الطالب، ويتولى القسم العلمي الذي يتبعه موضوع البحث الموافقة على الموضوع المقترح

للبحث وتعيين مشرفاً لتوجيه الطالب خلال مرحلة إعداد البحث.

## اسم المساق : المدخل لدراسة الفقه الإسلامي

رقم المساق : 218 IFIA

المطلوب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالفقه الإسلامي وخصائصه، والأطوار التي مر بها وأسباب الضعف والقوة عبر العصور المختلفة مع التنويه ببعض القواعد الفقهية التي استمر العمل بها واستفادت منها القوانين الوضعية في مختلف المجالات الحياتية، ومصادر الفقه الإسلامي: الكتاب، والسنة النبوية، والإجماع، والقياس، والمصالح المرسلة الاستصحاب.

## اسم المساق : الموارث والوصايا

رقم المساق : 337 IILA

المطلوب السابق: 229 PALA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالتركة وما يتعلق بها من حقوق، ومفهوم الوصية وشروطها وأركانها وأسس البوصية الواجبة وتزام الوصايا وطلانها والميراث في الشريعة الإسلامية من حيث ضرورته وأركانه وشروطه والمقارنة بينه وبين غيره من أنظمة الموارث القديمة والحديثة، علاوة على معرفة الوارثون من الرجال والنساء سواء بطريق الفرض أو العصبية أو الرجم، والعول والرد والتخارج وميراث الحمل والمفقود والغرقى وضحايا حوادث السير.

## اسم المساق : المدخل لدراسة القانون

رقم المساق : 105 INLA

المطلوب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة محورين اساسيين: القانون والحق. يتناول المحور الاول التعريف بالقانون وغايته وضرورته، وبيان خصائص القاعدة القانونية و تمييزها عن غيرها من القواعد الاجتماعية، شرح فروع القانون المختلفة و تقسيم القانون (القواعد الأمرة والمكملة وغيرها من التقسيمات) ، مصادر القانون، وتفسيره ونطاق تطبيقه. اما المحور الثاني فيتناول دراسة عامة لنظرية الحق من حيث تعريف الحق وأنواعه وأركانه وأشخاصه، محل الحق واستعماله وحمايته.

## اسم المساق : القانون الدولي العام

رقم المساق : 210 INLA

المطلوب السابق: 105 INLA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالقانون الدولي، وتطوره التاريخي ومساهمة الشريعة الإسلامية في إرساء قواعد هذا القانون ودور الفقهاء

المسلمين في تطويرها، ومصادره، وأهدافه، وموضوعه، وفروعه، وعلاقته بالقوانين الأخرى، وأشخاصه خاصة الدولة من حيث نشأتها ، وأركانها، ونظرية الاعتراف بها ، وأشكالها . وسائل حل النزاعات الدولية ، وسائل تطبيق القانون الدولي سواء بواسطة الدول أم بواسطة المنظمات الدولية أم إعمالاً لقواعد المسؤولية الدولية وحالة الحرب وقانون البحار.

## اسم المساق : القانون الدولي الخاص

رقم المساق : 342 IPLA

المطلوب السابق : 306 PCIA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة القانون الواجب التطبيق على العلاقات الخاصة الدولية من حيث قواعد الاسناد وطبيعتها وخصائصها وتفسيرها، والإحالة، وتطبيق القانون الأجنبي وموانع تطبيقه، ومجال تطبيق قانون القاضي، وتنفيذ الأحكام الأجنبية، وحالات تنازع الاختصاص القضائي الدولي، وحالات انعقاد الاختصاص لمحاكم دولة الامارات، والأحكام العامة للجنسية وكيفية اكتسابها والتجرد منها والتنظيم القانوني لمركز الأجنبي وأحكام الموطن الدولي.

## اسم المساق : التدريب العملي الداخلي

رقم المساق : 490 IPLA

المطلوب السابق : 306 PCIA + 450 PPLA + 229

يتناول هذا المساق تدريب الطالب على كيفية رفع الدعاوى المدنية والجزائية والإدارية وتتبع مراقبتها، وكيفية المرافعة الشفوية وذلك من خلال المحاكمة الصورية التي يجريها الطلبة في المحكمة التعليمية، وكتابة المذكرات والاستشارات القانونية، وصياغة العقود وتسبيب الأحكام، وكتابة حكم التحكيم، وكيفية عرض الآراء القانونية وتدعيمها بالحجج الصحيحة قانوناً.

## اسم المساق : التحكيم الداخلي والدولي

رقم المساق : 344 IILA

المطلوب السابق : 306 PCIA

الساعات المعتمدة : 3 ساعات

يتناول هذا المساق دراسة نظام التحكيم كوسيلة لحل المنازعات من حيث أهميته وأنواعه وطبيعته وتشكيل هذا التحكيم بالمحكمة، وإجراءات التحكيم وشروطه، وحالات بطلان حكم التحكيم، والظعن على الأحكام، وطرق تنفيذها، والتحكيم الالكتروني.

## اسم المساق : قانون العمل والتأمينات الاجتماعية

رقم المساق : 335 ISLA

المطلوب السابق: 209 SULA

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة ماهية قانون العمل





بصورها المختلفة، وجرائم الاحتيال، وجريمة  
خيانة الأمانة والنصب.

### اسم المساق: قانون الاجراءات الجزائية

رقم المساق: PPLA 450

المتطلب السابق: PPLA 327

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق الدعوى الجزائية من حيث  
أطرافها وإجراءاتها والأحكام الصادرة فيها.  
المركز القانوني للنيابة العامة واختصاصاتها  
وسلطاتها، حقوق والتزامات المتهم، جمع  
الاستدلالات والتحقيق الابتدائي، سلطات الضبط  
والتحقيق والتصرف في الدعوى، وتشكيل  
المحاكم الجزائية، وضمانات القضاء، والاختصاص  
القضائي ومعايير وحدوده، وإجراءات المحاكمة  
الجزائية والإنبات الجزائي وطرق الطعن في  
الأحكام.

### اسم المساق: أحكام الالتزام

رقم المساق: RCL 310

المتطلب السابق: SULA 209

الساعات المعتمدة: 3 ساعات

يتضمن هذا المساق التعريف بالالتزام وخصائصه  
وأشكاله، تنفيذ الالتزام تنفيذاً اختيارياً عن طريق  
الوفاء، أو تنفيذاً جبرياً. كما يتناول المساق  
شرح وسائل حماية تنفيذ الالتزام عن طريق  
الدعوى التي تكفل حق الدائن في الحفاظ على  
حقه (الدعوى غير المباشرة، ودعوى الصورية)  
ودعوى عدم نفاذ التصرفات)، وتعدد أطراف  
الالتزام: التضامن بين المدينين والتضامن بين  
الدائنين، وانتقال الالتزام وأوصاف الالتزام مثل  
الشرط والأصل، وأسباب انقضاء الالتزام عن طريق  
الإبراء واستحالة التنفيذ ومرور الزمن.

### اسم المساق: المصادر الإرادية للالتزام

رقم المساق: SULA 203

المتطلب السابق: INLA 105

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة مفهوم الالتزام  
وأشكاله ونظرية العقد من حيث تعريف العقد  
وأركانها، التراضي، والإيجاب والقبول، وطرق  
التعبير عن الإرادة، وعبوب الإرادة، والمحل  
والسبب، ونسبية أثر العقد، والقوة الملزمة  
للعقد، ونظرية الظروف الطارئة، والمسؤولية  
العقدية، ونظرية الإرادة المنفردة INLA 105 من حيث  
مفهومها وأحكامها.

### اسم المساق: المصادر غير الإرادية للالتزام والاثبات

رقم المساق: SULA 209

المتطلب السابق: SULA 203

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالالتزام وأشكاله  
والأحكام العامة للمسؤولية التقصيرية،  
والمسؤولية عن الأفعال الشخصية وأركانها؛

المتطلب السابق: SULA 209

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بقانون الإجراءات  
المدنية، التنظيم القانوني للقضاء من حيث  
تشكيل المحاكم ودرجات التقاضي، رجال القضاء  
ومعاونيهم، قواعد الاختصاص، نظرية الدعوى،  
الأحكام القضائية وطرق الطعن فيها.

### اسم المساق: مبادئ علم الاقتصاد

رقم المساق: PELA 219

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بعلم الاقتصاد،  
النظم الاقتصادية: رأسمالي، اشتراكي،  
وإسلامي، العرض والطلب، المنافسة، والاحتكار،  
الدخل القومي، النقود والبنوك والاقتصاد  
الدولي.

### اسم المساق: قانون الجزاء العام

رقم المساق: PGLA 225

المتطلب السابق: INLA 105

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالقانون الجزائي  
وأهدافه، ودراسة النظرية العامة للجريمة من  
حيث تعريف الجريمة وأركانها وأنواعها، ومبدأ  
الشرعية وأسباب الإباحة وموانع المسؤولية  
الجنائية، والتعريف بالعقوبة وخصائصها، والتدابير  
الاحترازية وخصائصها، وأنواع العقوبات والتدابير  
الاحترازية، ومبدأ شرعية العقوبة، وتعدد  
الأوصاف والجرائم وانقضاء الجزاء الجنائي.

### اسم المساق: قانون الجزاء الخاص (1)

رقم المساق: PPLA 326

المتطلب السابق: PGLA 225

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق أنواع الجرائم وتقسيماتها  
ودراسة الجرائم الماسة بحق الإنسان في الحياة  
مثل جرائم القتل بأنواعه وظروفه المشددة  
والمخففة، والجرائم الماسة بحق سلامة  
بدنه مثل جرائم الضرب والجرح والأجهاض،  
والجرائم الماسة بالعرض مثل الاغتصاب وهتك  
العرض والأفعال المنافية للحياء العام وجريمة  
السب والقذف.

### اسم المساق: قانون الجزاء الخاص (2)

رقم المساق: PPLA 327

المتطلب السابق: PPLA 326

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالجرائم المصرة  
بالمصلحة العامة وخطورتها على المجتمع  
وأهم هذه الجرائم مثل الرشوة وجرائم العملة  
مثل التزييف والجنح الملحقه به وتزوير المحررات  
وأركانها وعقوبته واستعمال المحررات المزورة  
وجرائم الاعتداء على الأموال مثل السرقة

وخصائصه وتطوره التاريخي وأحكام قانون  
العمل من حيث بيان مصادره ونطاقه وماهية  
عقد العمل وأركانها وأنواعه والقيود الواردة  
على الحرية التعاقدية والأحكام الخاصة بتشغيل  
الأحداث والنساء والأجانب وحقوق والتزامات  
أطراف العلاقة العمالية خصوصاً حقوق العامل  
وجزاء مخالفتها، وأحكام إصاية العمل، وأسباب  
انقضاء عقد العمل وأحكام الضمان الاجتماعي  
والمعاشات.

### اسم المساق: الحقوق العينية الأصلية والتبعية

رقم المساق: ORLA 477

المتطلب السابق: CCLA 320

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالحقوق العينية  
الأصلية والتبعية والتأثيرات الشخصية و  
خصائصها والتعريف بحق الملكية وعناصره  
ونطاقه والقيود القانونية والإرادية الواردة  
عليه، والملكية الشائعة، وأسباب كسب الملكية،  
والحقوق المتفرعة عن حق الملكية، والرهن  
التأميني (الرسمي) والحيازي من حيث أركانه  
وآثاره وانقضاءه، وحقوق الامتياز العامة  
والخاصة.

### اسم المساق: الأحوال الشخصية (فقه الزواج والطلاق)

رقم المساق: PALA 229

المتطلب السابق: IFLA 218

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة أحكام الزواج من  
حيث غايته والحكمة منه ومشروعيته وأساسه،  
وأحكام الخطبة والعهد عنها، أركان عقد الزواج  
وشروط انعقاده وصحته ونفاذه ولزومه، أقسام  
الزواج والآثار المترتبة على كل منها، والطلاق  
ومشروعيته وحكمته، أنواع الطلاق وصيغته  
وشروط المطلق والمطقة، وآثار الطلاق، حقوق  
الأولاد، طرق النسب، الرضاع والحضانة، والولاية.

### اسم المساق: النظم السياسية والقانون الدستوري

رقم المساق: PCLA 110

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة مفهوم النظم  
السياسية وتطور الفكر السياسي، ونشأة فكرة  
الدولة وتعريفها وخصائصها وأركانها وأشكالها  
وتعريف الحكومة وأنواعها وسلطاتها، والفصل  
بين السلطات، ونظم الحكم، الديمقراطية  
وأشكالها، والتعريف بالقانون الدستوري  
ومصادره، وأنواع الدساتير وطرق إصدارها،  
والرقابة الدستورية وحقوق وحريات الأفراد،  
والنظام الدستوري في دولة الإمارات.

### اسم المساق: قانون الاجراءات المدنية

رقم المساق: PCLA 306



مجال العقود الإدارية والتحكيم في مجال العقود الإدارية وأثار العقد الإداري وانقضاء العقد الإداري.

#### اسم المساق: تاريخ وفلسفة القانون

رقم المساق: HPLA 150

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة تاريخ التشريعات في دولة الامارات واستعراض النشأة التشريعية للقوانين في المجتمعات القديمة، مع التركيز على حضارة ما بين النهرين، والجزيرة العربية قبل الإسلام، والحضارة اليونانية والرومانية القديمة، والحضارة الفرعونية والحضارة الإسلامية، والمدارس الفلسفية المختلفة، وفلاسفة الإغريق والعصور الوسطى.

#### اسم المساق: قانون الملكية الفكرية

رقم المساق: IRLA 280

المتطلب السابق: COLA 200

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة التعريف بالملكية الفكرية وأهميتها، حقوق المؤلف من حيث مضمونها وماحبها وطرق نقلها، وسائل حماية حقوق المؤلف والحقوق المجاورة، وطبيعة حق المؤلف، التنظيم القانوني للملكية الصناعية الواردة على ابتكارات جديدة مثل براءة الاختراع والواردة على علامات مميزة مثل العلامة التجارية من حيث شروط حمايتها ومضمون هذه الحماية والآثار المترتبة على ملكيتها وأثر اتفاقات ال GATT/ WTO/ TRIPS على ذلك

#### اسم المساق: قانون حماية البيئة

رقم المساق: EPLA 285

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة ماهية قانون حماية البيئة، موضوعه، خصائصه وكيفية مواجهة مشكلات تلوث الهواء والماء والتربة ومواجهة أخطار المواد والنفايات الخطرة وإقامة المحميات الطبيعية ورعايتها، بالإضافة إلى التعرف على الجهات المحلية والدولية المختصة بهذه الأمور وقواعد المسؤولية المتعلقة بها.

#### اسم المساق: قانون حماية المستهلك

رقم المساق: CPLA 288

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق تعريف المستهلك ومبررات حمايته، ومدى كفاية القواعد العامة لحماية المستهلك مثل عقود الإذعان وخيار الرؤية، ومضمون القواعد الخاصة المقررة لحماية المستهلك خصوصاً دفعه في العدول عن العقد خروجاً على القواعد العامة، وبيان شرط الإعفاء من المسؤولية، والتزام المورد أو المنتج أو البائع بتبصير المشتري، وجزاء مخالفة هذه القواعد.

#### اسم المساق: الجوانب القانونية للتجارة الإلكترونية

رقم المساق: ECLA301

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة أهمية التجارة الإلكترونية ودورها ومستقبلها وتحديد مفهومها وكيفية حمايتها، والتشفير وتحديد الهوية الرقمية، ووسائل الوفاء الإلكترونية، وضمان الحق في الخصوصية في ظل المعاملات الإلكترونية.

#### اسم المساق: قانون المنظمات الدولية

رقم المساق: IOLA 370

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالمنظمات الدولية، ونشأتها، وتطورها، والشخصية القانونية للمنظمة الدولية، والآثار المترتبة على الاعتراف بها. كما يتناول دراسة النظام القانوني للمنظمة الدولية وهيكل المنظمة الدولية واختصاصاتها والتعريف بالسلطات والقرارات التي تملكها المنظمة الدولية، ومنظمة الأمم المتحدة، وجامعة الدول العربية وغيرها من المنظمات الإقليمية والدولية.

#### اسم المساق: التشريعات الجزائية الخاصة

رقم المساق: PLLA 300

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يختار أستاذ المساق موضوعاً أو أكثر من الموضوعات التالية أو غيرها:

- ه جرائم المخدرات.
- ه جرائم غسل الأموال.
- ه جرائم الأحداث.
- ه جرائم المرو.
- ه جرائم التهريب الجمركي.

الخطأ والضرر وعلاقة السببية والمسؤولية عن فعل الغير، مسؤولية المكلف بالرقابة ومسؤولية المتبوع عن أفعال تابعة، والمسؤولية عن فعل الحيوان وتهدم البناء والأشياء الخطرة، والفعل النافع وتطبيقاته مثل الإثراء بلا سبب ودفع غير المستحق، والقواعد العامة للإثبات، وطرق الإثبات المختلفة مثل الكتابة والتوقيع الإلكتروني والشهادة، واليمين والإقرار.

#### اسم المساق: القانون البحري والجوي

رقم المساق: SWLA 440

المتطلب السابق: CCLA 330

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بالقانون البحري وأهمية النشاط البحري والنظام القانوني للسفينة وأشخاص الملاحة البحرية، وملكيته، والحقوق العينية التي ترد عليها، ودجز السفينة، وأسباب ذلك، وكيفية، وأحكام عقود استغلال السفينة مثل عقد إيجار السفينة ورهنها، والوضع القانوني للطائرة، وأشخاص الملاحة الجوية، والمسؤولية عن حوادث الطيران.

#### اسم المساق: دراسات قانونية باللغة الانجليزية

رقم المساق: TVLA 220

المتطلب السابق: ENLA 208

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق اختيار بعض الموضوعات المناسبة لشرحها وتحليلها باللغة الانجليزية.

## المساقات الاختيارية

#### اسم المساق: علم الإجرام وعلم العقاب

رقم المساق: SCLA 291

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق التعريف بعلم الإجرام والعقاب، التعريف بالمجرم، النظريات العلمية في تفسير الظاهرة الإجرامية، عوامل ارتكاب الجريمة، صور الجزء الجنائي، العقوبة والتدابير الاحترازية، تنفيذ الجزء الجنائي، المؤسسات العقابية، حقوق المحكوم عليه.

#### اسم المساق: العقود الإدارية

رقم المساق: ACLA 290

المتطلب السابق: لا يوجد

الساعات المعتمدة: 3 ساعات

يتناول هذا المساق دراسة القواعد والأحكام المتعلقة بالعقود الإدارية من حيث تعريف العقد الإداري ومعياري تمييزه وكيفية وشروط إبرامه وأنواع العقود الإدارية وأركان العقد الإداري وطرق وإجراءات التعاقد مع الإدارة وأساليب اختيار المتعاقد واختصاص القضاء الإداري في





# University Faculty

## ELI Faculty

### *Abu Dhabi Campus*

**Mohammed Islam**

Program Director  
B.Sc, PG Dip TESOL ,M.Ed TESOL  
University of Newcastle  
Tel # +9712 5015803  
Email: m.islam@adu.ac.ae

**Johan Hartzenberg**

Lead Instructor - TESOL  
BA (Ed.)/BA (Hons.) Education /  
Literary Criticism  
University of Johannesburg  
Tel # +9712 5015640  
Email: johan.hartzenberg@adu.ac.ae

**Raji Hallak**

TESOL Instructor  
BA (Hons.) Communications  
University of Toronto  
CELTA  
Tel # +9712 5015817  
Email: raji.hallak@adu.ac.ae

**Anna Krauch**

TESOL Instructor  
B.Com, Saint Mary's University  
CELTA, TESOL  
Tel # 9713 7090748  
Email: anna.krauch@adu.ac.ae

**Janet Larsen Roberts**

TESOL Instructor  
B.S. English and Communication  
Utah State University  
CELTA  
Tel # 9715 08247352  
Email: janet.roberts@adu.ac.ae

## College of Arts and Sciences Faculty

### *Abu Dhabi Campus*

**Dr. Sreethi Nair**

Dean, College of Arts & Sciences  
PhD, Educational Psychology  
University of Kerala, India  
Tel #: +971 2 5015716  
Email: sreethi.nair@adu.ac.ae

**Mr. Anand Dwivedi**

Instructor of Study Skills  
Master's in Business Administration  
University of Allhabad, India  
Tel #: +971 2 5015615  
Email: anand.dwivedi@adu.ac.ae

**Ms. Rubina Qureshi**

Senior Instructor - Sociology  
MEd, Teacher Education  
The Aga Khan University, Pakistan  
Tel #: +971 2 5015614  
Email: rubina.qureshi@adu.ac.ae

**Dr. Hatem Deif**

Senior Instructor of Mathematics  
PhD, Computer Engineering  
Brunel University London  
Tel #: +971 2 5015786  
Email: hatem.deif@adu.ac.ae

**Mr. Muhammad Farooq**

Instructor of Mathematics  
MSc, Mathematics  
Bahauddin Zakaria University, Pakistan  
Tel #: +971 2 5015247  
Email: muhammad.farooq@adu.ac.ae

**Ms. Yara Azouqa**

Senior Instructor of English  
MA, English Language & Literature  
Jordan University, Jordan  
Tel #: +971 2 5015621  
Email: yara.azouqa@adu.ac.ae

**Ms. Beena Vijayavalsalan**

Senior Instructor of English  
M.A. in English  
Madras University, India

Tel #: +971 3 7090730  
Email: Beena.V@adu.ac.ae

**Ms. Duha Lababidi**

Instructor of Humanities and Social  
Sciences  
M.S. in Hadith Sharif Sciences-Islamic  
Studies, Damascus University, Syria  
Tel #: +971 2 5015335  
Email: duha.lababidi@adu.ac.ae

**Ms. Samira Fahmi**

Senior Instructor of English  
Master of Arts in Translation Studies,  
University of Alberta, Canada  
Tel #: +971 2 5015787  
Email: samira.fahmi@adu.ac.ae

**Mr. Syed Salman Mahmood**

Instructor of Maths  
MSc Mathematics, University of  
Punjab, Pakistan  
Tel #: +971 2 5015322  
Email: syedsalman.mahmood@adu.  
ac.ae

**Ms. Nagam Hussein**

Instructor of Islamic Culture  
MA in Islamic Studies, Yarmouk University,  
Jordan  
Tel #: +971 2 5015280  
Email: nagam.hussein@adu.ac.ae

**Dr. Smitha Dev**

Senior Instructor of Psychology  
PhD, Psychology  
University of Kerala, India  
Tel #: +971 2 5015627  
Email: smitha.dev@adu.ac.ae

**Ms. Deepa Suresh**

Instructor of Information Technology  
Master's in Cyber Security, Amritha  
Viswavidhyapeedam, India  
Tel #: +971 2 5015867  
Email: deepa.suresh@adu.ac.ae

**Ms. Nesma Khalil**

Instructor of Mathematics  
Masters Education, Curriculum  
studies  
University of Toronto, Canada  
Tel #: +971 2 501  
Email: nesma.khalil@adu.ac.ae

**Dr. Daniela Coelho**

Senior Instructor of English  
PhD, Teaching Methodology and  
Training  
University of Aveiro  
Tel #: +971 2 5015209  
Email: daniela.coelho@adu.ac.ae

**Dr. Sullay Kanu**

Senior Instructor of English  
PhD, Linguistics University of Alberta  
Canada  
University Of Alberta  
Tel #: +971 2 5015723  
Email: sullay.kanu@adu.ac.ae

**Dr. Deena ElSORI**

Assistant Professor of Biology  
Ph.D in Cleveland State University,  
Cleveland, OH  
Tel #: +971 2 5015450  
Email: deena.elsori@adu.ac.ae

**Dr. Jolly Jacob**

Associate Professor of Chemistry  
Ph.D in University of Mumbai  
Tel #: +971 2 5015808  
Email: jolly.jacob@adu.ac.ae

**Dr. Nida Qafisheh**

Assistant Professor of Environmental  
Science

PhD, Applied Chemistry  
University of California, USA  
Tel #: +971 2 5015432  
Email: nida.qafisheh@adu.ac.ae

**Dr. Manar Mfarrej**

Assistant Professor of Plant  
Protection  
Ph.D. in Plant Protection  
University of Jordan, Jordan  
Email: m.mfarrej-adjunct@adu.ac.ae

**Dr. Rania El Dweik**

Assistant Professor of Public Health  
University of Ottawa, Canada  
Tel #: +97 2 5015362  
Email: rania.aldweik@adu.ac.ae

**Prof. Haydar Akca**

Professor of Applied Mathematics  
Ph.D in Inonu University, Turkey  
Tel #: +971 2 5015317  
Email: haydar.akca@adu.ac.ae

**Prof. Hichem El Euch**

Professor of Physics  
Ph.D in University Pierre and Marie  
Curie,  
Tel #: +971 2 5015401  
Email: hichem.eleuch@adu.ac.ae

**Dr. Hikmat Hamad**

Associate Professor of Physics Ph.D  
in University Of Delaware, Newark,  
DE, USA  
Tel #: +971 2 5015630  
Email: hikmat.hamad@adu.ac.ae

**Dr. Jamal Benbourenane**

Associate Professor of Mathematics  
Ph.D in Mathematical Sciences  
Northern Illinois University, USA  
Tel #: +971 2 5015875  
Email: jamal.benbourenane@adu.  
ac.ae

**Dr. Abdelwahab Kharab**

Associate Professor  
Ph.D in Mathematical Sciences  
Oregon State University, USA  
Tel #: +971 2 5015663  
Email: abdelwahab.kharab@adu.ac.ae

**Dr. Makhtar Sarr**

Assistant Professor of Mathematics &  
Statistics  
Ph.D in The Pennsylvania State  
University, USA  
Tel #: +971 2 5015657  
Email: makhtar.sarr@adu.ac.ae

**Dr. Haitham Farok**

Assistant Professor of Physics and  
Mathematics  
Ph.D in Bath University, UK  
Tel #: +971 2 5015743  
Email: haitham.farok@adu.ac.ae

**Dr. Muhamad Sham Shahkat Ali**

Associate Professor of Mass  
Communication  
Ph.D in Advertising, University of  
Malaya, Kuala Lumpur, Malaysia  
Tel #: +971 2 5015782  
Email: muhamad.sham@adu.ac.ae

**Dr. Viola Gjylbegaj Assistant**

Professor of Communication  
PhD in Linguistics, Tor Vergata  
University Rome, Italy  
Tel #: +971 2 5015202  
Email: viola.gjylbegaj@adu.ac.ae

**Dr. Ahmed Nimeiri**

Associate Professor of English  
Ph.D in University of South Carolina,  
Columbia, South Carolina, USA  
Tel #: +971 2 5015719  
Email: ahmed.elnimeiri@adu.ac.ae

**Dr. N.V.Prasad**

Associate Professor of Mass  
Communication Ph.D. in Design &  
New Media Technology  
Universiti Sains Malaysia, Penang,  
Malaysia  
Tel #: +971 2 5015341  
Email: nunna.prasad@adu.ac.ae

**Dr. Ghanem Al Bustami**

Professor of Educational Psychology  
& Development  
Ph.D in Arab Amman University for  
Graduate Studies, Jordan- Reading  
Institute for Post Graduate and  
Research in Education, UK  
Tel #: +971 2 5015784  
Email: ghanem.albustami@adu.ac.ae

**Dr. Tareq Al Khasawneh**

Assistant Professor of Foundations of  
Education  
Ph.D. in Foundations of Education,  
Amman Arab University for Graduate  
Studies, Jordan  
Email: tareq.alkhasawneh@adu.ac.ae

**Dr. Cheantel Adams**

Visiting Assistant Professor of  
Education  
Ph.D in Prairie View A&M University,  
Texas



Tel #: +971 2 5015723  
Email: cheantel.adams@adu.ac.ae

**Dr. Shafia Abdul Rahman**  
Visiting Associate Professor of  
Mathematics Education  
The Open University, Milton Keynes,  
United Kingdom  
Email: shafia.abdulrahman@adu.  
ac.ae

**Dr. Venkat Rao**  
Assistant Professor of Education  
PhD in Science Educational Curtin  
University, Australia  
Tel #: +971 2 5015718  
Email: venkat.vishnumolaka@adu.  
ac.ae

## *Al Ain Campus*

**Mr. Shannon Todd Glasgow**  
Senior Instructor of English  
Masters in English as a Foreign  
Language,  
South Illinois University at Carbondale  
Illinois  
Tel #: +971 37090740  
Email: shannon.glasgow@adu.ac.ae

**Mr. Rafik Ben Zinoubi**  
Instructor of TESOL and English  
Master of Arts in Education  
Leadership, U.A.E  
Tel #: +971 3 7090749  
Email: rafik.alzainobi@adu.ac.ae

**Ms. Deenaz Kanji**  
Instructor of Social Science  
MSc in Religious Studies, Graduate  
Theological Union, University of  
California  
Tel #: +971 3 7090736  
Email: deenaz.kanji@adu.ac.ae

**Dr. Mohamad Mustafa Hammoudi**  
Instructor of Math & Statistics  
Doctor of Philosophy Degree, with  
concentration in Mathematics and  
Higher Education  
The British University in Dubai (in  
affiliation with the University of  
Glasgow, the United Kingdom)  
Tel #: +971 3 7090732  
Email: mohamad.hammoudi@adu.  
ac.ae

**Mr. Al Arabi Thaier**  
Senior Instructor of Arabic  
MA, Arabic Language University of

Tunis, Tunisia  
Tel #: +971 2 5015656  
Email: alarabi.thaier@adu.ac.ae

**Dr. Mohammad Ali Fteiha**  
Chair, Education Department  
Associate Professor of Special  
Education  
Ph.D in Special Education- Autism  
and Assistive Technology  
Amman Arab University for  
Graduated Studies  
Tel#: +971 3 7090718  
Email: Mohamed.fteiha@adu.ac.ae

**Dr. Mohammed Borhandden  
Musah**  
Assistant Professor of Education  
Ph.D in Education  
International Islamic University,  
Malaysia  
Tel #: +971 3 7090713  
Email: mohammed.musah@adu.  
ac.ae

**Dr. Asma Khalil Abdallah**  
Interim CAS AA Campus Coordinator  
Assistant Professor of Educational  
Administration  
PhD in Educational Administration  
Jordan University, Jordan  
Tel #: +971 3 7090715  
Email: asma.abdallah@adu.ac.ae

**Dr. Narmeen Awwad**  
Assistant Professor of Psychology  
and Educational Counseling  
Ph.D in University of Jordan, Jordan  
Tel #: +971 3 7090725  
Email: narmeen.awwad@adu.ac.ae

**Dr. Layne Hunt**  
Visiting Assistant Professor of  
Education  
Administration  
Nova Southeastern University, Ft.  
Lauderdale, FL  
Tel #: +97 3-7090724  
Email: layne.hunt@adu.ac.ae

**Dr. Kendra Guilford**  
Assistant Professor of Public Health  
Ph.D in The University of Alabama,  
USA  
Tel #: +971 2 5015350  
Email: kendra.guilford@adu.ac.ae

**Dr. Grira Sofiane**  
Assistant Professor of Mathematics  
and Statistics  
PhD in Assistant Professor of

Mathematics and Statistics,  
University of Sherbrooke, Canada  
Tel #: +971 3 7090719  
Email: grira.sofiane@adu.ac.ae

**Dr. Marwa Agiza**  
Assistant Professor of Technology  
and Mass Communication  
Ph.D in Communication  
Technology  
and Internet Advertising, Cairo  
University, Egypt  
Tel #: +971 3 7090717  
Email: marwa.egiza@adu.ac.ae

## *Dubai Campus*

**Dr. Falah Jamil Mohammad**  
Associate Professor of Education  
Ph.D in Amman Arab University  
Email: Falah.mohammad@adu.ac.ae

**Dr. Ghina El Abboud**  
Assistant Professor of Education PhD  
in Education  
University of Limoges- France  
Email: Ghina.elabboud@adu.ac.ae

**Dr. Constantine Andoniou**  
Assistant Professor of Education  
PhD. in Education. The University of  
Queensland, Australia  
Email: constantine.andoniou



## College of Business Faculty

### **Prof. Chris Pitelis**

Professor of Strategic Management  
Dean  
Tel: 02 5015750  
Email: christos.pitelis@adu.ac.ae  
Ph.D Warwick University, UK

### **Prof. Hussein Saber**

Professor of Operations Management  
Associate Dean, Abu Dhabi Campus  
Tel: 02 5015756  
Email: hussein.saber@adu.ac.ae  
PhD, University of Oklahoma, USA

### **Prof. Sherine Farouk Abdel All**

Associate Professor of Accounting  
Associate Dean  
Tel: 02 5015654  
Email: sherine.farouk@adu.ac.ae  
PhD, London Metropolitan University,  
UK

### **Dr. John McLellan**

Associate Professor of Accounting  
Tel: +971 3 7090752  
Email: john.mclellan@adu.ac.ae  
PhD, Southern Cross University,  
Australia

### **Dr. Galina Preobrazhenskaya**

Assistant Professor of Accounting  
Tel: 02 5015233  
Email: galina.p@adu.ac.ae  
PhD, University of the West of England,  
UK

### **Prof. Ahmed Bahgat Abdel Maksoud**

Professor of Accounting  
Ph.D, University of West England, UK

### **Dr. Nejla Ellili**

Associate Professor of Finance  
Finance and Economics Discipline  
Coordinator  
Tel: 02 5015720  
Email: nejla.ellili@adu.ac.ae  
PhD, The Higher Institute of  
Management, Tunisia

### **Dr. Haitham Nobanee**

Associate Professor of Finance  
Tel: 02 5015709  
Email: haitham.nobanee@adu.ac.ae  
PhD, University of Manchester, UK

### **Dr. Ilham Haouas**

Associate Professor of Economics and  
Finance  
Tel: 02 5015658  
Email: ilham.haouas@adu.ac.ae  
PhD, Sorbonne University, France

### **Dr. Sania Ashraf**

Assistant Professor of Finance  
Tel: 02 501 5438  
Email: sania.ashraf@adu.ac.ae  
PhD, Pondicherry Central University  
India

### **Prof. Salam Abdallah**

Professor of Management  
Information Systems  
Management Discipline Coordinator  
Tel: 03 7090717  
Email: salam.abdallah@adu.ac.ae  
PhD, Curtin University of Technology,  
Australia

### **Prof. Hossam Abu Elanain**

Professor of Management  
Tel: 04 248 1576  
Email: hossam.elanain@adu.ac.ae  
PhD, Loughborough University, UK

### **Dr. Sanjay Kumar Singh**

Associate Professor of Management  
Tel: 02 5015520  
Email: sanjay.singh@adu.ac.ae  
PhD, University of Delhi, India

### **Prof. Syed Zamberi Bin Ahmad**

Professor of Management  
Tel: 02 5015760  
Email: syed.ahmad@adu.ac.ae  
PhD, Hull University of Business School  
(HUBS), UK

### **Dr. Jacob Cherian**

Associate Professor of Management  
Tel: 02 5015646  
Email: jacob.cherian@adu.ac.ae  
PhD, Shivaji University, India

### **Dr. Mian Ajmal**

Associate Professor of Management  
Tel: 02 5015667  
Email: mian.ajmal@adu.ac.ae  
PhD, University of Vaasa, Finland

### **Dr. Matloub Hussain**

Associate Professor of Management  
Tel: 02 5015869  
Email: matloub.hussain@adu.ac.ae  
PhD, University of Liverpool, UK

### **Dr. Fauzia Jabeen**

Associate Professor of Management  
Tel: 02 5015562  
Email: fauzia.jabeen@adu.ac.ae  
PhD, U.P. Technical University, India

### **Dr. Mehmood Khan**

Associate Professor of Management  
Tel: 02 5015346  
Email: mehmood.khan@adu.ac.ae  
PhD, Ryerson University, Canada

### **Dr. Khalizani Khalid**

Assistant Professor of Management  
Tel: 02 501 5872  
Email: khalizani.khalid@adu.ac.ae  
PhD, Mara University of Technology  
Malaysia

### **Dr. Avraam Papastathopoulos**

Assistant Professor of Management  
Tel: 02 5015755  
Email: avraam.p@adu.ac.ae  
PhD, University of Patras, Greece

### **Dr Anne Ewijk**

Assistant Professor of Management  
Tel: 04 2481571  
Email: anne.ewijk@adu.ac.ae  
PhD, Pompeu Fabra University

### **Dr. Mohammed Ismail El-Adly**

Associate Professor of Marketing  
Marketing Discipline Coordinator  
Tel: 03 7090753  
Email: m.eladly@adu.ac.ae  
PhD, Cairo University, Egypt  
Co-supervision with Huddersfield  
University Business School, England

### **Dr. Shilpa Iyanna**

Associate Professor of Marketing  
Tel: 02 5015664  
Email: shilpa.iyanna@adu.ac.ae  
ABD, University of Nottingham, UK

### **Dr. Saju Villiara Jose**

Associate Professor of Marketing  
Tel: 02 5015379  
Email: saju.jose@adu.ac.ae  
PhD, Griffith University, Australia

### **Dr. David Cosgrave**

Assistant Professor of Digital Marketing  
Tel: 02 5015360  
Email: david.cosgrave@adu.ac.ae  
PhD, University of Limerick, Ireland

**Dr. Hazem Marashdeh**

Associate Professor, Finance  
Tel : 02 501 5479  
Email: hazem.marashdeh@adu.ac.ae  
PhD University of Wollongong  
Australia

**Dr. Petra Turkama**

Director of Innovation Center &  
Assistant Professor of Management  
Tel: 02 5015738  
Email: petra.turkama@adu.ac.ae  
PhD Lappeenranta University of  
Technology, Finland

**Dr. Abdullah Bin Osman**

Associate Professor of Management  
Tel: 04 2421574  
Email: abdullah.binosman@adu.ac.ae  
Doctor of Business Administration  
(DBA),  
University Utara, Malaysia

**Dr. Yomna Morsy**

Assistant Professor of Management  
Email: yomna.morsy@adu.ac.ae  
Ph.D, Kassel University, Germany

**Dr. Ross Davidson**

Assistant Professor of Management  
Tel: 02 5015339  
Email: ross.davidson@adu.ac.ae  
Ph.D, Open University

**Dr. Christina Koutra**

Associate Professor of Management  
Ph.D, University of Brighton, UK

**Dr. Charilaos Mertzanis**

Associate Professor of Finance  
Tel: 02 5015879  
Email: charilaos.mertzanis@adu.ac.ae

**Mr. Kamran Yousaf**

Graduate Teaching Assistant  
Abu Dhabi Campus  
Tel 02-501-5276  
Email: Kamra.yousaf@adu.ac.ae  
MSc Finance National University of  
Modern Language  
MCom BZU Multan, Pakistan

**Ms. Perna Kumari**

Teaching Assistant Abu Dhabi  
Campus  
Tel : 02 501-5676  
Email: Perna.kumari@adu.ac.ae

**Ms. Yasmin AlSharif**

Graduate Teaching Assistant Abu Dhabi  
Campus  
Tel: 02 5015704  
Email: yasmin.alsharif@adu.ac.ae  
MBA, Abu Dhabi University

**Ms. Gowri Kumar**

Academic Advisor, Abu Dhabi  
Campus  
Tel: 02 5015659  
Email: gowri.kumar@adu.ac.ae  
MHRM, Abu Dhabi University, UAE

**Ms. Corazon Agripa**

Academic Advisor, Abu Dhabi  
Campus  
Tel: 02 5015751  
Email: corazon.agripa@adu.ac.ae  
MBA, Abu Dhabi University, UAE

**Ms. Afnan Al-Khaldi**

Academic Advisor, Al Ain Campus  
Tel: 03 7090756  
Email: afnan.alkhaldi@adu.ac.ae

## Support Staff

**Ms. Jesel Talao**

Executive Assistant Tel: 02 501 5818  
Email: jesel.talao@adu.ac.ae

**Ms. Brijitha Elayadath**

Sr. Administrative Assistant  
Tel: 02 501 5244  
Email: brijitha.elayadath@adu.ac.ae

**Ms. Bushra Jaleel**

Graduate Teaching Assistant, Al Ain  
Campus  
Tel: 03 7090759  
Email: bushra.jaleel@adu.ac.ae



## College of Engineering Faculty

### **Dr. Hamdi Sheibani**

Dean, College of Engineering  
Ph.D. in Mechanical Engineering  
Thermofluids  
University of Victoria, Canada  
Tel #: +971 2 5015730  
Email: hamdi.sheibani@adu.ac.ae

### **Prof. Osama Ahmed Mohamed, PhD., P.E. MASCE.**

Associate Dean, College of  
Engineering  
Professor of Structural Engineering  
Ph.D. in Structural Engineering and  
Mechanics  
University of Colorado, USA  
Tel #: +971 2 5015752  
Email: osama.mohamed@adu.ac.ae

### **Master of Engineering Management Program**

### **Master of Project Management Program**

### **Dr. Raid Al-Aomar**

Director, Master of Engineering  
Management Program  
Professor of Industrial Engineering  
Ph.D. in Industrial Engineering -  
Operations Research  
Wayne State University, USA  
Tel #: +971 2 5015763  
Email: raid.alaomar@adu.ac.ae

### **Dr. Christopher Nigel Preece**

Professor of Project Management  
PhD in Construction Management  
Heriot-Watt University, Edinburgh,  
United Kingdom  
Tel #: +971 2501 5356  
Email: christopher.preece@adu.ac.ae

### **Dr. Michael M Nkasu, PhD CPEng CEng PEng MIMechE MemIIE RPE FSS**

Associate Professor (Master of  
Engineering Management)  
PhD (Industrial Engineering),  
University of Bradford, UK  
Tel: +971 501 5398  
Email: michael.nkasu@adu.ac.ae

### **Dr. Adnan Bashir**

Associate Professor of  
Master Engineering and Project

Management  
Ph.D. in Industrial Engineering -  
Statistics, Quality and Simulation.  
Florida State University, USA  
Tel #: +971 4 2481572  
Email: adnan.bashir@adu.ac.ae

### **Civil Engineering Department**

### **Prof. Osama Ahmed Mohamed, PhD., P.E. MASCE.**

Associate Dean, College of  
Engineering  
Professor of Structural Engineering  
Ph.D. in Structural Engineering and  
Mechanics  
University of Colorado, USA  
Tel #: +971 2 5015752  
Email: osama.mohamed@adu.ac.ae

### **Dr. Evan K. Paleologos**

Interim Chair, Department of Civil  
Engineering  
Professor of Hydrology &  
Environmental Engineering  
Ph.D. in Hydrology and Water  
Resources  
The University of Arizona, USA  
Tel #: +971 2 5015806  
E-mail: evan.paleologos@adu.ac.ae

### **Dr. Essam Dabbour P.Eng.**

Associate Professor of Civil  
Engineering  
Ph.D. in Civil Engineering -  
Transportation Engineering  
Ryerson University, Canada  
Tel #: +971 2 5015634  
Email: essam.dabbour@adu.ac.ae

### **Dr. Omer Mughieda**

Associate Professor of Civil  
Engineering  
Ph.D. in Civil Engineering -  
Geotechnical Engineering  
University of Illinois, Urbana,  
Champaign, USA  
Tel #: +971 2 5015774  
Email: omer.mughieda@adu.ac.ae

### **Dr. Mohamed Elhakeem, P.E.**

Associate Professor of Civil  
Engineering  
Ph.D. in Civil Engineering - Water  
Resources and Environmental  
Engineering  
University of South Carolina, USA

Tel #: +971 2 5015483

Email: mohamed.elhakeem@aduac.ae

### **Dr. Samer Al Martini P.Eng.**

Associate Professor of Civil  
Engineering  
Ph.D. in Civil Engineering-  
Construction Materials  
The University of Western Ontario,  
Canada  
Tel #: +971 2 5015470  
Email: samer.almartini@adu.ac.ae

### **Dr. Abdelkareem Alzo'ubi, P.Eng.**

Associate Professor of Civil  
Engineering  
Ph.D. in Civil Engineering-  
Geotechnical Engineering  
University of Alberta, Canada  
Tel #: +971 3 709 0837  
Email: abdel.alzoubi@adu.ac.ae

### **Dr. Manish Kewalramani**

Assistant Professor of Civil  
Engineering  
Ph. D. in Concrete Technology  
Birla Institute of Technology and  
Science, Pilani, India  
Tel # +971 25015316  
Email: manish.kewalramani@adu.ac.ae

### **Dr. Reem Sabouni**

Associate Professor  
Ph.D. in Civil Engineering -  
Geotechnical Engineering,  
University of Western Ontario,  
Canada  
Tel #: +971 2 5015498  
Email: reem.sabouni@adu.ac.ae

### **Dr. Nader Okasha**

Associate Professor of Civil  
Engineering  
Ph.D. in Structural Engineering,  
Lehigh University, USA  
Tel #: +971 3 709 0840  
Email: nader.okasha@adu.ac.ae

### **Engr. Akram A. Saif**

Lab Specialist, Civil Engineering  
Department  
M.Sc. in Civil Engineering, United Arab  
Emirates University, UAE  
Tel #: +971 2 5015609  
Email: akram.almarqab@adu.ac.ae

### **Engr. Waddah Marwan Alhawati**

Teaching Assistant of Civil  
Engineering  
M.Sc. in Civil Engineering, Abu Dhabi  
University, UAE





Tel #: +971 2 5015377  
Email: waddah.alhawati@adu.ac.ae

**Engr. Iman Bilal Abdul Karim**  
Teaching Assistant of Civil Engineering  
BSc in Civil Engineering, Abu Dhabi  
University, UAE  
Tel #: +971 37090840  
Email: iman.abdulkarim@adu.ac.ae

## **Mechanical Engineering Department**

**Dr. Mohamed S. Gadala**  
Interim Chair, Department of  
Mechanical Engineering  
Professor of Mechanical Engineering  
Ph.D. in Mechanical Engineering -  
Continuum Mechanics  
McMaster University, Canada  
Tel No: +971 2 5015636  
Email: mohamed.gadala@adu.ac.ae

**Dr. Khaled M. Al-Arife**  
Assistant Professor of Mechanical  
Engineering,  
Ph.D. in Mechanical Engineering -  
Nanotechnology  
University of Western Ontario, Canada  
Tel No: +971 2 5015218  
Email: khaled.alarife@adu.ac.ae

**Dr. Mohammad Sultan Khan**  
Professor of Mechanical Engineering  
Ph.D. in Mechanical Engineering -Heat  
Transfer  
University of British Columbia,  
Vancouver Canada  
Tel No: +971 2 501 5357  
Email: mohammad.khan@adu.ac.ae

**Dr. Mohammad Alkhdher**  
Associate Professor of Mechanical  
Engineering  
Ph.D. in Mechanical Engineering-  
Mechatronics  
Washington State University, WA, USA  
Tel No: +971 2 501 5525  
Email: mohammad.alkhdher@adu.  
ac.ae

**Dr. Sharul Sham bin Dol**  
Associate Professor of Mechanical  
Engineering  
Ph.D. in Mechanical Engineering, Fluid  
Mechanics  
University of Calgary, Canada  
Tel No: +971 2 501 5399  
Email: sharulshambin.dol@adu.ac.ae

**Dr. Mohamed Ibrahim Shaat**  
Assistant Professor of Mechanical

Engineering,  
Ph.D. in Mechanical Engineering-  
Mechanics of Nanomaterials &  
Nanomechanical Systems  
New Mexico State University, NM, USA  
Tel No: +971 3 7090834  
Email: mohamed.i@adu.ac.ae

**Engr. Abid Abdul Azeez**  
Teaching Assistant  
B.Sc. in Mechanical Engineering  
Abu Dhabi University, UAE  
Tel #: +971 2 5015816  
Email: abid.azeez@adu.ac.ae

**Engr. Omar Ahmad Mohamad**  
Teaching Assistant  
B.Sc. in Mechanical Engineering  
Abu Dhabi University, UAE  
Tel #: +971 2 5015376  
Email: omar.mohamad@adu.ac.ae

## **Aviation Department**

**Dr. Oliver Lehmann**  
Professor of Aviation  
Ph.D. in Aeronautical  
Engineering (Dr.-Ing.),  
Technische Universität Berlin, Germany  
Tel.: +971 2 501 - 5212  
E-mail: oliver.lehmann@adu.ac.ae

**Mr. Zahid Hameed Malik**  
MSc, University of Karachi, Pakistan.  
MBA (HRM), Preston University,  
Pakistan.  
Pakistan Air Force Pilot, Airline  
Transport Pilot.  
Aviation Lecturer, Prince Sultan  
Aviation Academy, Saudi Arabian  
Airlines  
Tel# +971 2 501 5219  
Email: zahid.malik@adu.ac.ae

**Mr. Kirk M. Webster**  
Senior Aviation Lecturer  
M. Sc. Industrial Engineering, University  
of Central Florida, US  
M. Sc. in Aeronautics, Embry-Riddle  
Aeronautical University, US  
Tel +971 2 501 5258  
Email: kirk.webster@adu.ac.ae

**Dr. Alberto Bernabeo**  
Associate Professor of Aviation  
Doctor in Physics of the Earth System  
Polytechnic of Milan and University of  
Bologna (Italy)  
Tel +971 2 501 5222  
Email: alberto.bernabeo@adu.ac.ae

**Mr. Ramy El Jabi**  
Lecturer of Aviation and Air Traffic  
Management (ATM)  
M. International Studies, Université  
Laval, Canada,  
B. Mechanical Engineering,  
Université de Moncton, Canada  
Tel +971 2 501 5212  
Email: ramy.el-jabi@adu.ac.ae  
**Mr. Musab Nematullah**  
Teaching Assistant of Aviation  
B.Sc. in Aviation/MBA  
Abu Dhabi University, U.A.E.  
Tel #: +971 2 501 5215  
Email: musab.nematullah@adu.ac.ae

**Ms. Zinab AlHashimi**  
Teaching Assistant of Aviation B.Sc. in  
Aviation/MBA  
Abu Dhabi University, U.A.E.  
Tel #: +971 2 501 5257  
Email: Zinab.alhashimi@adu.ac.ae

## **Chemical Engineering Department**

**Dr. Ioannis Zuburtikudis**  
Professor of Chemical Engineering and  
Department Chair  
PhD in Chemical Engineering,  
University of Rochester, Rochester, NY,  
USA  
Tel #: +971 2 501 5788  
Email: ioannis.zuburtikudis@adu.ac.ae

**Dr. Hadil Abu Khalifeh**  
Associate Professor of Chemical  
Engineering  
Ryerson University, Toronto, Canada  
Tel #: +971 2 501 5610  
Email: hadil.abukhalifeh@adu.ac.ae

**Dr. Omar Chaalal**  
Associate Professor of Chemical  
Engineering  
Ph.D. in Chemical Engineering  
New Castel Upon Tyne England  
Tel #: +971 2 5015753  
Email: omar.chaalal@adu.ac.ae

**Dr. Chandra Mouli R.  
Madhuranthakam, PEng.**  
Assistant Professor of Chemical  
Engineering Department  
Ph.D. in Chemical Engineering,  
University of Waterloo, Canada  
Tel #: +971 2 5015304  
chandra.mouli@adu.ac.ae

**Dr. Kate Haigh**

Assistant Professor of Chemical Engineering,  
PhD in Chemical Engineering,  
Loughborough University,  
Loughborough, UK  
Tel: 02-501-5673  
Email: kathleen.haigh@adu.ac.ae

**Engr. Faiza Moahmed Abdillahi**

Teaching Assistant of Chemical Engineering  
BSc. Chemical Engineering, Abu Dhabi University, Abu Dhabi, UAE  
Tel#: +971 2 501 5259  
Email: faiza.abdillahi@adu.ac.ae

**Engr. Noora Al Mansoori,**

Teaching Assistant of Chemical Engineering  
BSc. Chemical Engineering, Abu Dhabi University, Abu Dhabi, UAE  
Tel#: +971 2 501 5259  
Email: noora.almansoori@adu.ac.ae

## **Architecture and Design Department**

**Dr. Mohamed El Amrousi**

Chair, Department of Architecture and Design  
Associate Professor of Architecture  
Ph.D. in History and Theory of Architecture  
University of California, Los Angeles, USA  
Tel #: +971 2 501 5775  
Email: mohamed.amrousi@adu.ac.ae

**Dr. Sadeka Abdel Shakour**

Coordinator of Interior Design Program  
Associate Professor of Furniture and Interior Design  
Ph.D. in Interior Design and Furniture  
Helwan University, Egypt  
Tel #: +971 2 5015776  
Email: sadeka.shakour@adu.ac.ae

**Dr. Rim Meziani**

Associate Professor of Architecture and Interior Design  
Ph.D. in Architecture and Urban Planning  
Nagoya Institute of Technology,  
Nagoya, Japan  
Tel #: +971 2 5015846  
Email: rim.meziani@adu.ac.ae

**Dr. Magdy M. Ibrahim**

Associate Professor of Architecture

Ph.D. in Architecture - Computer Applications in Architecture  
Illinois Institute of Technology, Illinois, USA  
Tel #: +971 2 5015876  
Email: magdy.ibrahim@adu.ac.ae

**Ms. Tamara Kelly**

Lecturer of Architecture  
Master of Art in Urban Design  
Oxford University, UK  
Tel #: +971 2 5015617  
Email: tamara.kelly@adu.ac.ae

**Dr. Paolo Caratelli**

OAPPC Member in Italy  
Associate Professor of Architecture  
Ph.D. in Architecture and Urban Design  
University of Florence, Italy  
Tel #: +971 2 5015668  
Email: paolo.caratelli@adu.ac.ae

**Ms. Anamika Mishra**

Lecturer of Architecture  
Master of Architecture in Urban Design  
School of Planning and Architecture,  
New Delhi, India  
Tel #: +971 2 5015605  
Email: anamika.mishra@adu.ac.ae

**Dr. Mohamed Elkaftangui**

Associate Professor of Architecture  
Ph.D. in Architecture  
School of Architecture of Toulouse, France  
Tel #: +971 2 5015762  
Email: mohamad.elkaftangui@adu.ac.ae

**Dr. Nadia Mounajjed**

Assistant Professor of Architecture  
Ph.D in Architecture  
School of Architecture  
University of Sheffield, UK  
Tel: 02-5015306  
Email: nadia.mounajjed@adu.ac.ae

**Dr. Apostolos Kyriazis**

Assistant Professor of Architecture  
PhD in Urban Design and Urban Regeneration  
Aristotle University of Thessaloniki, Greece  
Tel #: +971 2 5015653  
Email: apostolos.kyriazis@adu.ac.ae

**Dr. Basem Eid Mohamed**

Assistant Professor of Architecture  
Ph.D. in Architecture

McGill University, Montreal, Canada  
Tel #: +971 2 5015911  
Email: basem.mohamed@adu.ac.ae

**Dr. Ahmed El Shakhs**

Assistant Professor of Interior Design  
PhD in Interior and Furniture Design,  
Hellwan University, Egypt  
Tel 00971558230620  
Email : ahmed.elshakhs@adu.ac.ae

**Ms. Alessandra Misuri**

OAPPC Member, Italy  
Lecturer of Architecture and Design  
Master of Architecture in Architecture and Urban Planning, Landscaping and Conservation OAPPC Reg. 8676  
Università degli Studi di Firenze (IT)-  
Facoltà di Architettura  
Tel #: +971 3 7970835  
Email: alessandra.misuri@adu.ac.ae

**Dr. Nilufer Ozak**

Visiting Assistant Professor of Architecture  
Ph.D in Architecture  
Istanbul Technical University, Turkey  
Tel: 02-5015414  
Email: Nilufer.ozak@adu.ac.ae

**Eng. Fedaa Isam Abdul Hafiz**

Instructor of Architecture  
B.Sc. in Architecture Engineering  
Khartoum University, Sudan  
M.Sc. in Engineering Project Management  
Abu Dhabi University, UAE  
Tel #: +971 2 5015517  
Email: fedaa.isam@adu.ac.ae

**Ms. Zeina Bashnak**

Visiting Lecturer of Interior Design  
MA of Interior Architecture and Decorative Arts  
Lebanese University, Lebanon  
Tel #: +971 2 5015668  
Email: zeina.bashnak@adu.ac.ae

**Ms. Ayah Hammash**

Teaching Assistant of Interior Design  
B.Sc. in Interior Design  
M.Sc. in Engineering Project Management,  
Abu Dhabi University, UAE  
Tel #: +971 2 5015359  
Email: ayah.hammash@adu.ac.ae

**Ms. Aya Dibaje**

Teaching Assistant of Architecture and Interior Design  
Bachelor of Architecture  
M.Sc. of Architecture





Abu Dhabi University, UAE  
Tel #: +971 2 5015991  
Email: aya.dibaje@adu.ac.ae

**Mr. Ahmed Al Awawda**

Teaching Assistant of Architecture  
B.Sc. in Architecture  
M.Sc. of Architecture

Abu Dhabi University, UAE  
Email: ahmed.alawawda@adu.ac.ae

**Computer Science &  
Information Technology  
Department**

**Dr. Farid Ibrahim**

Assistant Professor of Computer  
Science and Information Technology  
Ph.D. in Information Science  
Loughborough University, UK  
Tel #: +971 3 7090833  
Email: farid.ibrahim@adu.ac.ae

**Dr. Modafar Ati**

Associate Professor of Computer  
Science and Information Technology  
Ph.D. in Electrical and Computer  
Engineering  
University of Newcastle, UK  
Tel #: +971 2 5015355  
Email: modafar.ati@adu.ac.ae

**Prof. Mourad Elhadeif**

Professor of Computer Science  
Ph.D. in Computer Science -  
Distributed Systems and Networking  
Sherbrooke University, Canada  
Tel #: +971 2 5015785  
Email: mourad.elhadeif@adu.ac.ae

**Dr. Ashraf Khalil**

Professor of Computer Science  
Ph.D. in Computer Science  
Indiana University, USA  
Tel #: +971 2 5015689  
Email: ashraf.khalil@adu.ac.ae

**Dr. Mohammed Asaad Ghazal**

Chair, Department of Electrical and  
Computer Engineering  
Associate Professor of Electrical and  
Computer Engineering  
Ph.D. in Electrical and Computer  
Engineering  
Concordia University, Canada  
Tel #: +971 2 5015612  
Email: mohammed.ghazal@adu.ac.ae

**Dr. Reem Salim**

Visiting Assistant Professor  
of Electrical and Computer  
Engineering  
Ph.D. in Electrical Engineering  
(Control Theory, Power Systems, Fuel  
Cells)  
United Arab Emirates University, UAE  
Tel #: +971 2 5015374  
Email: reem.salim@adu.ac.ae

**Dr. Montasir Qasymeh**

Associate Professor of Electrical  
Engineering  
Ph.D. in Electrical Engineering  
Dalhousie University, Canada  
Tel #: +971 2 5015221  
Email: montasir.qasymeh@adu.ac.ae

**Dr. Luay Fraiwan**

Professor of Biomedical Engineering  
Ph.D. in Biomedical Engineering  
The University of Akron, Ohio, United  
States  
Tel #: +971-2-5015214  
Email: luay.fraiwan@adu.ac.ae

**Dr. Anas Al Tarabsheh**

Associate Professor of Electrical  
Engineering  
Ph.D. in Electrical Engineering -  
Semiconductor devices & Renewable  
Energy  
Stuttgart University, Germany  
Tel #: +971 2 5015226  
Email: anas.altarabsheh@adu.ac.ae

**Dr. Mohamed Al Momani**

Visiting Associate Professor of  
Electrical Engineering  
Ph.D. in Electrical, Electronics, and  
Systems Engineering (Power  
Engineering)  
The National University of Malaysia,  
(UKM), Malaysia  
Tel #: +971 3 7090838  
Email: mohd.almomani@adu.ac.ae

**Engr. Marah AlHalabi**

Teaching Assistant of Electrical and  
Computer Engineering  
Bachelor of Science in Electrical  
Engineering  
Abu Dhabi University, UAE  
Tel #: +971 2 5015342  
Email: marah.alhalabi@adu.ac.ae

**Engr. Tasnim Basmaji**

Teaching Assistant of Electrical and  
Computer Engineering  
Bachelor of Science in Computer  
Engineering

Abu Dhabi University, UAE  
Tel #: +971 2 5015351  
Email: tasnim.basmaji@adu.ac.ae

**Engr. Yasmin Abu-Hayeh**

Teaching Assistant of Electrical and  
Computer Engineering  
Bachelor of Science in Electrical  
Engineering  
Abu Dhabi University, UAE  
Tel #: +971 2 5015437  
Email: yasmin.abu-hayeh@adu.ac.ae

**Support Staff**

**Ms. Dorina Antonio**

Executive Assistant  
B.Sc. in Computer Science  
Holy Angel University, Philippines  
Tel #: +971 2 5015731  
Email: dorina.antonio@adu.ac.ae

**Ms. Janette Laconsay**

Senior Administrative Assistant  
B.Sc. in Computer Engineering  
AMA Computer College, Philippines  
Tel #: +971 2 5015732  
Email: janette.laconsay@adu.ac.ae

**Ms. Michelle Mamangun**

Administrative Assistant  
Pamantasan Lungsod ng Pasig,  
Philippines  
Tel #: +971 2 5015796  
Email: michelle.mamangun@adu.ac.ae

**Mr. Mostafa Mahmoud**

Academic Advisor, Abu Dhabi  
Campus  
MBA of Quality Management,  
Wollongong University  
Tel #: +971 2 5015367  
Email: mostafa.mahmoud@adu.ac.ae

**Mr. Nolan Dalapo**

Academic Advisor, Abu Dhabi  
Campus  
AB-Econ. minor in Math,  
MA in Teaching  
Ateneo de Cagayan, Xavier University  
Tel #: +971 2 5015370  
Email: nolan.dalapo@adu.ac.ae

**Ms. Hiba Abdulrahman Ali**

Academic Advisor, Al Ain Campus  
MHRM, Abu Dhabi University, UAE  
Tel #: +971 3 7090831  
Email: hiba.ali@adu.ac.ae



## College of Law Faculty

### **Dr. Hany Dowidar**

Dean, College of Law  
Professor of Commercial & Maritime Law  
Bordeaux University, France  
Tel #: +971569309600  
Email: hany.dowidar@adu.ac.ae

### **Dr. Mahmoud Sami Gamal El Din**

Professor of Public Law  
Alexandria University, Egypt  
Email: mahmoud.sami@adu.ac.ae

### **Dr. Iyad Jadalhaq**

Professor of Private Law  
University of Athens, Greece  
Tel #: +971 2 5015810  
Email: iyad.jadalhaq@adu.ac.ae

### **Dr. Ala'Eldin Ababneh**

Associate Professor of Private Law  
Amman Arab University, Jordan  
Tel #: +971 2 5015607  
Email: ala.ababneh@adu.ac.ae

### **Dr. Elsoghair Mahdy**

Associate Professor of Private Law  
Alexandria University, Egypt  
Tel #: +971 3 7090742  
elsoghair.mahdy@adu.ac.ae

### **Dr. Mwaffaq Al-Mahameed**

Associate Professor of Public Law  
Amman Arab University, Jordan  
Tel #: +971 3 7090743  
Email: mwaffaq.mahameed@adu.ac.ae

### **Dr. Mohammed El Hadi El Maknouzi**

Associate Professor of Private Law  
Mohammed V University, Morocco  
Email: mohammed.maknouzi@adu.ac.ae

### **Dr. Amany Mohamed**

Assistant Professor of Public Law  
Ain Shams University, Egypt  
Tel #: +971 2 5015693  
Email: amany.mohamed@adu.ac.ae

### **Dr. Sana Rawaqa**

Assistant Professor of Public International Law  
Paris-Descartes University, France  
Tel #: +971 3 7090729  
Email: sana.rawaqa@adu.ac.ae

### **Dr. Ahmed Shaaban**

Assistant Professor of Private Law  
Alexandria University, Egypt  
Tel #: +971 2 5015301  
Email: ahmed.shaaban@adu.ac.ae

### **Dr. Housain Al Mohammad**

Assistant Professor of Public Law  
Tel #: +971 2 5015386  
Email: housain.almohammad@adu.ac.ae

### **Dr. Mohamed Mofttah**

Assistant Professor of Public Law  
Tel #: +971 3 7090741  
Email: mohamed.mofttah@adu.ac.ae

### **Dr. Layla Ahmed Salem**

Assistant Professor of Islamic Law  
Tel #: +971 2 5015231  
Email: layla.salem@adu.ac.ae

### **Dr. Rana Ghonim**

Assistant Professor of Public Law  
Alexandria University, Egypt  
Tel #: +971 2 5015324  
Email: rana.ghonim@adu.ac.ae

### **Dr. Enas Alqodsi**

Assistant Professor of Private Law  
Cairo University, Egypt  
Tel #: +971 3 7090745  
Email: enas.alqodsi@adu.ac.ae

### **Dr. Lina Alfayoumi**

Assistant Professor of Private Law  
Beirut Arab University, Lebanon  
Email: lina.alfayoumi@adu.ac.ae



# Academic Calendar

## 2019-2020

# ABU DHABI UNIVERSITY

ACADEMIC YEAR 2019-2020

## FALL SEMESTER 2019-2020

| WEEK | AUGUST 2019 |           |           |           |           |    |           | EVENTS              |   |
|------|-------------|-----------|-----------|-----------|-----------|----|-----------|---------------------|---|
|      | S           | M         | T         | W         | T         | F  | S         |                     |   |
|      |             |           |           |           | 1         | 2  | 3         | <b>11 August</b>    | <b>Arafat Day *</b>   |
|      | 4           | 5         | 6         | 7         | 8         | 9  | 10        | <b>12-15 August</b> | <b>Eid Al Adha Holiday *</b>  |
|      | <b>11</b>   | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | 16 | 17        | <b>25 August</b>    | Deadline of Submissions for Declaration/Change of Major Math Placement Test / English Placement Test for New Abu Dhabi Undergraduate Students |
|      | 18          | 19        | 20        | 21        | 22        | 23 | 24        |                     |   |
|      | 25          | 26        | 27        | 28        | 29        | 30 | <b>31</b> | <b>26 August</b>    | Math Placement Test / English Placement Test for New Al Ain Undergraduate Students  |
|      |             |           |           |           |           |    |           | <b>27 August</b>    | Math Placement Test / English Placement Test for New Dubai Undergraduate Students   |
|      |             |           |           |           |           |    |           | <b>28 August</b>    |   |
|      |             |           |           |           |           |    |           | <b>29 August</b>    | Admission / Transfer Credit Deadline  |
|      |             |           |           |           |           |    |           | <b>29 August</b>    | Registration Deadline for Newly Admitted Students   |
|      |             |           |           |           |           |    |           | <b>31 August</b>    | <b>Islamic New Year *</b>   |

### Notes:

- (1) Subject to change based on the sighting of the moon.
- (2) Tuition fee will not be refunded after this date.
- (3) Examination periods are inclusive of Saturdays but not Fridays.
- (4) Grade appeal deadline is one week prior to the early registration in the following regular semester.

- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES



| WEEK | SEPTEMBER 2019 |    |    |    |    |    |    | EVENTS          |  |
|------|----------------|----|----|----|----|----|----|-----------------|--|
|      | S              | M  | T  | W  | T  | F  | S  |                 |  |
| 1    | 1              | 2  | 3  | 4  | 5  | 6  | 7  | 1 September     | First Day of Classes   |
| 2    | 8              | 9  | 10 | 11 | 12 | 13 | 14 | 1 September     | Payment Deadline for Newly Admitted Students                   |
| 3    | 15             | 16 | 17 | 18 | 19 | 20 | 21 | 1 - 5 September | Add / Drop Period with 100% Refund                             |
| 4    | 22             | 23 | 24 | 25 | 26 | 27 | 28 | 1 September     | Winter Term Internship Program Application Submission Begins   |
|      | 29             | 30 |    |    |    |    |    | 5 September     | Payment Deadline for Current Students                          |
|      |                |    |    |    |    |    |    | 8-12 September  | Course Withdrawal Period with 75% Refund                       |
|      |                |    |    |    |    |    |    | 12 September    | Orientation for Newly Admitted Male/ Female Students           |
|      |                |    |    |    |    |    |    | 15 September    | Graduation Online Application Begins                           |
|      |                |    |    |    |    |    |    | 15-19 September | Course Withdrawal Period with 50% Refund**                     |
|      |                |    |    |    |    |    |    | 26 September    | Term A Course Withdrawal Deadline for PG students              |
|      |                |    |    |    |    |    |    | 30 September    | Winter Term Internship Program Application Submission Deadline |
|      |                |    |    |    |    |    |    | 30 September    | Winter Term Internship Program Application Submission Deadline |



# ABU DHABI UNIVERSITY

ACADEMIC YEAR 2019-2020

## FALL SEMESTER 2019-2020

| WEEK | OCTOBER 2019 |    |    |    |    |    |    | EVENTS  |
|------|--------------|----|----|----|----|----|----|---|
|      | S            | M  | T  | W  | T  | F  | S  |   |
| 5    |              |    | 1  | 2  | 3  | 4  | 5  |   |
| 6    | 6            | 7  | 8  | 9  | 10 | 11 | 12 | <b>6 October</b> Spring Semester Internship Program Application Submission Begins                       |
| 7    | 13           | 14 | 15 | 16 | 17 | 18 | 19 | <b>12 October</b> <b>Term A Postgraduate Last Day of Classes</b>  |
| 8    | 20           | 21 | 22 | 23 | 24 | 25 | 26 | <b>13 October</b> Reading Day   |
|      | 27           | 28 | 29 | 30 | 31 |    |    | <b>14-16 October</b> <b>Term A Postgraduate Final Exams Week ***</b>                                    |
|      |              |    |    |    |    |    |    | <b>17 October</b> Release of Mid-Semester Grades  |
|      |              |    |    |    |    |    |    | <b>19 October</b> Term A PG Final Grades Released   |
|      |              |    |    |    |    |    |    | <b>20 October</b> <b>Term B Postgraduate Classes Begins</b>   |
|      |              |    |    |    |    |    |    | <b>20-21 October</b> Term B PG Add / Drop Period with 100% Refund                                       |
|      |              |    |    |    |    |    |    | <b>20 October</b> Release of the Winter 2019-2020 Term and Spring 2019-2020 Semester Schedules          |
|      |              |    |    |    |    |    |    | <b>21 October</b> Payment Deadline for Term B PG  |
|      |              |    |    |    |    |    |    | <b>24 October</b> Graduation Online Application Deadline  |
|      |              |    |    |    |    |    |    | <b>27 October</b> Grade Appeals Deadline for Spring 18-19 Semester and Sum 18-19 Term Final Grades **** |
|      |              |    |    |    |    |    |    | <b>27 October</b> Advising and Early Registration Begins  |
|      |              |    |    |    |    |    |    | <b>30 October</b> Appreciation Ceremony for Undergraduate Students (Al Ain Campus)                      |
|      |              |    |    |    |    |    |    | <b>31 October</b> Spring Semester Internship Program Application Submission Deadline                    |
|      |              |    |    |    |    |    |    | <b>31 October</b> Appreciation Ceremony for Undergraduate Students (Abu Dhabi Campus)                   |

- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES

| WEEK | NOVEMBER 2019 |    |    |    |    |    |    | EVENTS   |
|------|---------------|----|----|----|----|----|----|--|
|      | S             | M  | T  | W  | T  | F  | S  |  |
| 9    |               |    |    |    |    | 1  | 2  |  |
| 10   | 3             | 4  | 5  | 6  | 7  | 8  | 9  | <b>3 November</b><br>Summer Term Internship<br>Program Application Submission<br>Begins    |
| 11   | 10            | 11 | 12 | 13 | 14 | 15 | 16 | <b>7 November</b><br>Course Withdrawal Deadline for<br>Undergraduate                       |
| 12   | 17            | 18 | 19 | 20 | 21 | 22 | 23 | <b>14 November</b><br>Course Withdrawal Deadline for<br>Postgraduate                       |
| 13   | 24            | 25 | 26 | 27 | 28 | 29 | 30 | <b>28 November</b><br>Summer Term Internship<br>Program Application<br>Submission Deadline |

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- (4) Grade appeal deadline is one week prior to the early registration in the following regular semester.

# ABU DHABI UNIVERSITY

ACADEMIC YEAR 2019-2020

## FALL SEMESTER 2019-2020

| WEEK | D E C E M B E R 2 0 1 9 |    |    |    |    |    |    | EVENTS         |   |
|------|-------------------------|----|----|----|----|----|----|----------------|---|
|      | S                       | M  | T  | W  | T  | F  | S  |                |   |
| 13   | 1                       | 2  | 3  | 4  | 5  | 6  | 7  | 1 December     | Marty's DAY                                       |
|      | 8                       | 9  | 10 | 11 | 12 | 13 | 14 | 2-3 December   | UAE National Day                                  |
|      | 15                      | 16 | 17 | 18 | 19 | 20 | 21 | 4 December     | Last Day of Classes for Undergraduate Students    |
|      | 22                      | 23 | 24 | 25 | 26 | 27 | 28 | 4-5 December   | Reading days for Postgraduate Students            |
|      | 29                      | 30 | 31 |    |    |    |    | 5-14 December  | Final Exams Period for Undergraduate Students *** |
|      |                         |    |    |    |    |    |    | 7 December     | Last Day of Classes for Postgraduate Students     |
|      |                         |    |    |    |    |    |    | 8-14 December  | Final Exams Period for Postgraduate Students ***  |
|      |                         |    |    |    |    |    |    | 15 Dec - 4 Jan | Fall Break  |
|      |                         |    |    |    |    |    |    | 16 December    | Final Grades Released****                         |

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- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES

## WINTER SEMESTER 2019-2020

| WEEK | JANUARY 2020 |    |    |    |    |    |    | EVENTS  |
|------|--------------|----|----|----|----|----|----|---|
|      | S            | M  | T  | W  | T  | F  | S  |   |
|      |              |    |    | 1  | 2  | 3  | 4  | <b>1 January</b> <b>Gregorian New Year</b>  |
| 1    | 5            | 6  | 7  | 8  | 9  | 10 | 11 | <b>2 January</b> Deadline of Admissions/Transfer Credit   |
| 2    | 12           | 13 | 14 | 15 | 16 | 17 | 18 | <b>2 January</b> Deadline of Submission for Declaration/Change of Major   |
| 3    | 19           | 20 | 21 | 22 | 23 | 24 | 25 | <b>2 January</b> Registration Deadline for Newly Admitted Students  |
|      | 26           | 27 | 28 | 29 | 30 | 31 |    | <b>2 January</b> Math Placement Test / English Placement Test for New Abu Dhabi Undergraduate Students                        |
|      |              |    |    |    |    |    |    | <b>5 January</b> <b>First Day of Classes</b>  |
|      |              |    |    |    |    |    |    | <b>5-6 January</b> Add/ Drop Period 100% Refund   |
|      |              |    |    |    |    |    |    | <b>6 January</b> Payment Deadline   |
|      |              |    |    |    |    |    |    | <b>7-8 January</b> Course Withdrawal Period 75% Refund  |
|      |              |    |    |    |    |    |    | <b>8 January</b> Financial Aid/Scholarship Requirements for RETURNING Students for Spring 2019/2020 Submission Begins         |
|      |              |    |    |    |    |    |    | <b>8 January</b> Financial Aid/ Scholarship Requirements for NEW Prospective Students for Spring 2019/ 2020 Submission Begins |
|      |              |    |    |    |    |    |    | <b>9 &amp; 12 January</b> Course Withdrawal Period 50% Refund**   |
|      |              |    |    |    |    |    |    | <b>12 January</b> Graduation Online Application Begins  |
|      |              |    |    |    |    |    |    | <b>23 January</b> Release of Mid-Term Grades  |
|      |              |    |    |    |    |    |    | <b>30 January</b> Graduation Online Application Deadline  |
|      |              |    |    |    |    |    |    | <b>30 January</b> Course Withdrawal Deadline  |
|      |              |    |    |    |    |    |    | <b>30 January</b> Financial Aid /Scholarship Requirements for RETURNING Students for Spring 2019/2020 Submission Deadline     |

# ABU DHABI UNIVERSITY

ACADEMIC YEAR **2019-2020**

## WINTER SEMESTER 2019-2020

| WEEK | F E B R U A R Y 2 0 2 0 |    |    |    |    |    |    | EVENTS  |
|------|-------------------------|----|----|----|----|----|----|---|
|      | S                       | M  | T  | W  | T  | F  | S  |   |
| 4    |                         |    |    |    |    |    | 1  |   |
| 5    | 2                       | 3  | 4  | 5  | 6  | 7  | 8  | <b>6 February</b> Financial Aid Requirements for NEW Prospective Students Spring 2019/ 2020 Submission Deadline |
| 6    | 9                       | 10 | 11 | 12 | 13 | 14 | 15 | <b>15 February</b> <b>Last Day of Classes</b>   |
|      | 16                      | 17 | 18 | 19 | 20 | 21 | 22 | <b>16 - 18 February</b> <b>Final Exams Period***</b>  |
|      | 23                      | 24 | 25 | 26 | 27 | 28 | 29 | <b>20 February</b> Final Grades Released****  |
|      |                         |    |    |    |    |    |    | <b>23 February</b> Scholarships Requirements for NEW Prospective Students Spring 2019/2020 Submission Deadline  |

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- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES

## SPRING SEMESTER 2019-2020

| WEEK | FEBRUARY 2020 |    |    |    |    |    |    | EVENTS  |
|------|---------------|----|----|----|----|----|----|---|
|      | S             | M  | T  | W  | T  | F  | S  |   |
| 1    |               |    |    |    |    |    | 1  | Math Placement Test / English Placement Test for New Abu Dhabi Undergraduate Students   |
|      | 2             | 3  | 4  | 5  | 6  | 7  | 8  |   |
|      | 9             | 10 | 11 | 12 | 13 | 14 | 15 | <b>17 February</b><br><b>18 February</b><br><b>19 February</b> Math Placement Test / English Placement Test for New Al Ain Undergraduate Students |
|      | 16            | 17 | 18 | 19 | 20 | 21 | 22 | Math Placement Test /English Placement Test for New Dubai Undergraduate Students  |
|      | <b>23</b>     | 24 | 25 | 26 | 27 | 28 | 29 |   |
|      |               |    |    |    |    |    |    | <b>20 February</b> Deadline of Submissions for Declaration/Change of Major  |
|      |               |    |    |    |    |    |    | <b>20 February</b> Admissions/Transfer Credit Deadline  |
|      |               |    |    |    |    |    |    | <b>20 February</b> Registration Deadline for Newly Admitted Undergraduate Students  |
|      |               |    |    |    |    |    |    | <b>23 February</b> <b>First Day of Classes</b>  |
|      |               |    |    |    |    |    |    | <b>23 February</b> Payment Deadline for Newly Admitted Students   |
|      |               |    |    |    |    |    |    | <b>23-27 February</b> Add/Drop Period with 100% Refund  |
|      |               |    |    |    |    |    |    | <b>27 February</b> Payment Deadline for Current Students  |

| WEEK | MARCH 2020 |    |    |    |    |    |    | EVENTS  |
|------|------------|----|----|----|----|----|----|---|
|      | S          | M  | T  | W  | T  | F  | S  |   |
| 2    | 1          | 2  | 3  | 4  | 5  | 6  | 7  | <b>1-5 March</b> Course Withdrawal Period with 75 % Refund          |
| 3    | 8          | 9  | 10 | 11 | 12 | 13 | 14 |   |
| 4    | 15         | 16 | 17 | 18 | 19 | 20 | 21 | <b>5 March</b> Orientation for Newly Admitted Male/ Female Students |
| 5    | 22         | 23 | 24 | 25 | 26 | 27 | 28 | <b>8-12 March</b> Course Withdrawal Period with 50% Refund**        |
|      | 29         | 30 | 31 |    |    |    |    |   |
|      |            |    |    |    |    |    |    | <b>15 March</b> Graduation Online Application Begins                |
|      |            |    |    |    |    |    |    | <b>19 March</b> Term A Course Withdrawal Deadline for PG students   |
|      |            |    |    |    |    |    |    | <b>29 Mar - 11 Apr</b> Spring Break                                 |

# ABU DHABI UNIVERSITY

ACADEMIC YEAR **2019-2020**

## SPRING SEMESTER 2019-2020

| WEEK     | APRIL 2020 |           |           |    |    |    |           | EVENTS   |
|----------|------------|-----------|-----------|----|----|----|-----------|--|
|          | S          | M         | T         | W  | T  | F  | S         |  |
|          |            |           |           | 1  | 2  | 3  | 4         |  |
|          | 5          | 6         | 7         | 8  | 9  | 10 | 11        | <b>12 April</b> Graduation Online Application Deadline                                     |
| <b>6</b> | 12         | 13        | 14        | 15 | 16 | 17 | <b>18</b> | <b>18 April</b> Term A Postgraduate Last day of Classes                                    |
| <b>7</b> | <b>19</b>  | <b>20</b> | <b>21</b> | 22 | 23 | 24 | 25        | <b>19-21 April</b> Term A Postgraduate Final Exams Week ***                                |
| <b>8</b> | <b>26</b>  | 27        | 28        | 29 | 30 |    |           | <b>23 April</b> Term A PG Final Grades Released****  |
|          |            |           |           |    |    |    |           | <b>23 Apr - 23 May</b> Holy Month of Ramadan*  |
|          |            |           |           |    |    |    |           | <b>23 April</b> Release of Mid-Semester Grades   |
|          |            |           |           |    |    |    |           | <b>26 April</b> Term B Postgraduate Classes Begins   |
|          |            |           |           |    |    |    |           | <b>26-27 April</b> Term B PG students Add/Drop Period with 100% Refund                     |
|          |            |           |           |    |    |    |           | <b>26 April</b> Release of the Summer 2019-2020 Term and Fall 2020-2021 Semester Schedules |
|          |            |           |           |    |    |    |           | <b>27 April</b> Payment Deadlin for Term B   |

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- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES

| WEEK | MAY 2020  |           |           |           |           |           |           | EVENTS  |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
|      | S         | M         | T         | W         | T         | F         | S         |   |
|      |           |           |           |           |           | 1         | 2         |   |
| 9    | 3         | 4         | 5         | 6         | 7         | 8         | 9         | <b>3 May</b> Fall Semester 2020-2021 Internship Program Application Submission Begins                       |
| 10   | 10        | 11        | 12        | 13        | 14        | 15        | 16        | <b>3 May</b> Grade Appeals Deadline for Fall 2019-2020 Semester and Winter 2019-2020 Term Final Grades **** |
| 11   | 17        | 18        | 19        | 20        | 21        | 22        | 23        | <b>3 May</b> Advising and Early Registration for Students Begins  |
|      | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> | <b>6 May</b> Appreciation Ceremony for Undergraduate Students (Al Ain Campus)                               |
|      | 31        |           |           |           |           |           |           | <b>7 May</b> Appreciation Ceremony for Undergraduate Students (Abu Dhabi Campus)                            |
|      |           |           |           |           |           |           |           | <b>14 May</b> Course Withdrawal Deadline for Undergraduate  |
|      |           |           |           |           |           |           |           | <b>21 May</b> Course Withdrawal Deadline for Postgraduate   |
|      |           |           |           |           |           |           |           | <b>24 - 30 May</b> <b>Eid Al Fitr Holiday*</b>  |
|      |           |           |           |           |           |           |           | <b>31 May</b> Fall Semester 2020-2021 Internship Program Application Submission Deadline                    |

| WEEK | JUNE 2020 |           |           |           |           |           |           | EVENTS   |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
|      | S         | M         | T         | W         | T         | F         | S         |  |
| 12   |           | 1         | 2         | 3         | 4         | 5         | 6         | <b>13 June</b> <b>Last Day of Classes</b>      |
| 13   | 7         | 8         | 9         | 10        | 11        | 12        | <b>13</b> | <b>14-24 June</b> <b>Final Exams Period***</b> |
|      | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>25 June</b> Summer Break Begins             |
|      | <b>21</b> | <b>22</b> | <b>23</b> | <b>24</b> | 25        | 26        | 27        | <b>27 June</b> Final Grades Released****       |
|      | 28        | 29        | 30        |           |           |           |           |  |

# ABU DHABI UNIVERSITY

ACADEMIC YEAR **2019-2020**

## SUMMER SEMESTER 2019-2020

| WEEK | JUNE 2020 |    |    |    |    |    |    | EVENTS   |
|------|-----------|----|----|----|----|----|----|--|
|      | S         | M  | T  | W  | T  | F  | S  |  |
| 1    |           | 1  | 2  | 3  | 4  | 5  | 6  | <b>25 June</b> Deadline of Submissions for Declaration/Change of Major                               |
|      | 7         | 8  | 9  | 10 | 11 | 12 | 13 | <b>25 June</b> Deadline for Admissions/Transfer Credit   |
|      | 14        | 15 | 16 | 17 | 18 | 19 | 20 | <b>25 June</b> Registration Deadline for Newly Admitted Students                                     |
|      | 21        | 22 | 23 | 24 | 25 | 26 | 27 | <b>25 June</b> Math Placement Test / English Placement Test for New Abu Dhabi Undergraduate Students |
|      | <b>28</b> | 29 | 30 |    |    |    |    | <b>28 June</b> <b>First Day of Classes</b>   |
|      |           |    |    |    |    |    |    | <b>28 - 29 June</b> Add/ Drop Period 100% Refund   |
|      |           |    |    |    |    |    |    | <b>29 June</b> Payment Deadline  |
|      |           |    |    |    |    |    |    | <b>30 Jun - 1 Jul</b> Course Withdrawal Period 75% Refund  |

### Notes:

- (1) Subject to change based on the sighting of the moon.
- (2) Tuition fee will not be refunded after this date.
- (3) Examination periods are inclusive of Saturdays but not Fridays.
- (4) Grade appeal deadline is one week prior to the early registration in the following regular semester.

- ▶ PUBLIC HOLIDAY
- ▶ EXAMINATION DATES
- ▶ FIRST/LAST DAY OF CREDIT CLASSES

## SUMMER SEMESTER 2019-2020

| WEEK | JULY 2020 |    |    |    |    |    |    | EVENTS  |
|------|-----------|----|----|----|----|----|----|---|
|      | S         | M  | T  | W  | T  | F  | S  |   |
| 1    |           |    |    | 1  | 2  | 3  | 4  |   |
| 2    | 5         | 6  | 7  | 8  | 9  | 10 | 11 | 1 July  |
| 3    | 12        | 13 | 14 | 15 | 16 | 17 | 18 | Financial Aid/ Scholarship Requirements for RETURNING Students for Fall 2020-2021 Submission Begins       |
| 4    | 19        | 20 | 21 | 22 | 23 | 24 | 25 | 1 July  |
| 5    | 26        | 27 | 28 | 29 | 30 | 31 |    | Financial Aid/ Scholarship Requirements for NEW Prospective Students for Fall 2020-2021 Submission Begins |
|      |           |    |    |    |    |    |    | 2 & 5 July  |
|      |           |    |    |    |    |    |    | Course Withdrawal Period 50% Refund**   |
|      |           |    |    |    |    |    |    | 5 July  |
|      |           |    |    |    |    |    |    | Graduation Online Application Begins  |
|      |           |    |    |    |    |    |    | 19 July   |
|      |           |    |    |    |    |    |    | Release of Mid-Term Grades  |
|      |           |    |    |    |    |    |    | 23 July   |
|      |           |    |    |    |    |    |    | Graduation Online Application Deadline  |
|      |           |    |    |    |    |    |    | 23 July   |
|      |           |    |    |    |    |    |    | Course Withdrawal Deadline  |
|      |           |    |    |    |    |    |    | 30 July   |
|      |           |    |    |    |    |    |    | Arafat Day *  |
|      |           |    |    |    |    |    |    | 31 Jul - 3 Aug  |
|      |           |    |    |    |    |    |    | Eid Al Adha Holiday *   |

| WEEK | AUGUST 2020 |    |    |    |    |    |    | EVENTS  |
|------|-------------|----|----|----|----|----|----|---|
|      | S           | M  | T  | W  | T  | F  | S  |   |
|      |             |    |    |    |    |    | 1  |   |
|      | 2           | 3  | 4  | 5  | 6  | 7  | 8  | 5 Aug   |
|      |             |    |    |    |    |    |    | Financial Aid /Scholarship Requirements for RETURNING Students for Fall 2020-2021 Submission Deadline |
| 6    | 9           | 10 | 11 | 12 | 13 | 14 | 15 | 11 - 12 Aug   |
|      | 16          | 17 | 18 | 19 | 20 | 21 | 22 | Reading days  |
|      | 23          | 24 | 25 | 26 | 27 | 28 | 29 | 13 Aug  |
|      | 30          | 31 |    |    |    |    |    | Financial Aid Requirements for NEW Prospective Students Fall 2020-2021 Submission Deadline            |
|      |             |    |    |    |    |    |    | 13 - 15 Aug   |
|      |             |    |    |    |    |    |    | Make up days  |
|      |             |    |    |    |    |    |    | 15 Aug  |
|      |             |    |    |    |    |    |    | Last Day of Classes   |
|      |             |    |    |    |    |    |    | 16 - 18 Aug   |
|      |             |    |    |    |    |    |    | Final Exams Period ***  |
|      |             |    |    |    |    |    |    | 20 Aug  |
|      |             |    |    |    |    |    |    | Islamic New Year *  |
|      |             |    |    |    |    |    |    | 22 Aug  |
|      |             |    |    |    |    |    |    | Final Grades Released****   |






## ADU BUILT UP AREAS OF ALL THE BUILDINGS AND OTHER DETAILS

|   |                                   |   |                                       |
|---|-----------------------------------|---|---------------------------------------|
|  | ADU MAIN EDUCATION BUILDING       |  | STUDENT NEW & OLD MALE ACCOMODATION   |
|  | MAIN EDUCATION BUILDING EXTENSION |  | STUDENT NEW & OLD FEMALE ACCOMODATION |
|  | BRITISH SCHOOL ( BISAD )          |  | FACULTY/ STAFF ACCOMODATION           |
|  | BISAD SPORTS CENTER               |  | EXECUTIVE & DEANS VILLAS              |
|  | FACILITIES MANAGEMENT OFFICES     |  | MOSQUE & COMMUNITY CENTER             |





 SUBSTATION & SERVICES

 WAREHOUSE

 SPECIALIZED LABS BUILDINGS

 NEW CRICKET SPORTS FIELD

 NURSERY

 GUARD

 ENTRANCE

 PARKING



**Office of the Registrar**

P.O.Box 59911, Abu Dhabi, UAE

Tel +971 2 5015555

Fax +971 2 5015990

registrar@adu.ac.ae

www.adu.ac.ae

# UNDERGRADUATE CATALOG 2019-2020

**For more information or to apply**

Call Toll Free: **800 23968**

Admission Inquiries: **[admissions@adu.ac.ae](mailto:admissions@adu.ac.ae)**

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