



UNDERGRADUATE CATALOG | 2014-2015



جامعة أبوظبي
ABU DHABI UNIVERSITY

UNDERGRADUATE CATALOG

2014-2015

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Disclaimer

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between the student and Abu Dhabi University. While the University expects to operate in keeping with the provisions set out in this catalog, it reserves the right to change any provision listed at any point in time during the year, to best serve the academic interest of the students. Such change may include, but is not limited to, academic requirements for graduation. Every effort will be made to keep students informed of any such changes. Information on changes will be circularized and kept available in the Office of the Registrar and/or each Dean's Office. It is important that each student be aware of his or her individual responsibility to keep apprised of current policies and requirements.

ACCREDITATION:

Abu Dhabi University is licensed by the United Arab Emirates Ministry of Higher Education and Scientific Research, and all of its degree programs have received accreditation by the Ministry. The University is also accredited across the Gulf Cooperation Council (GCC), Jordan, Syria, Turkey and Iran, and all its degree programs are recognized by the various Ministries of Education in these countries.



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 second year in a row, Abu Dhabi University is the youngest higher education institution to enter the ranks the world's top 650 universities in Quacquarelli Symonds (QS) world university rankings of 2012 -2013 and 2013 -2014. This accolade also makes ADU only one of three universities in the UAE to enter this prominent ranking.

ISO:



Abu Dhabi University has also succeeded in renewing its ISO 9001:2008 certification for its commitment to quality standards in the design, development and delivery of its academic programs and their supported services, according to the international standards set by ISO for organizations around the world.

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.

ABU DHABI UNIVERSITY BOARD OF REGENTS MEMBERS

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MESSAGE FROM THE CHAIRMAN

Abu Dhabi University's journey began 11 short years ago in 2003, out of a desire to build the first national, private university in Abu Dhabi. Today, our young University embarks on its second decade under the guidance and direction of the University's President of the Abu Dhabi University Board of Regents Members, H.H Sheikh Hamdan Bin Zayed Al Nahyan, with several significant and remarkable achievements to its name, setting it apart from its local competition and ultimately elevating it to international standards.

Throughout its relatively young history, Abu Dhabi University has forged its path of excellence through implementing innovative initiatives and international standards in teaching, research and community service, thereby, delivering it to the forefront of the UAE's educational institutions. Some of ADU's significant achievements include being the first university to receive the Sheikh Khalifa Excellence Award in 2010, as well as an ISO certification for its commitment to quality standards in the design, development and delivery of its academic programs and their supported services. Moreover, Abu Dhabi University is the youngest in the world to enter the ranks of the world's top 650 universities in Quacquarelli Symonds (QS) world university rankings, and only one of 3 universities in the UAE to make the cut. ADU is also actively pursuing international accreditation from the Western Association of Schools and Colleges (WASC).

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. With an employment rate of 90%, our cohorts of graduates stand 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 are equipped with the skills they need to be successful leaders in their fields. 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 your partner in future successes.

After all, 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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Mr. Bassam Mura

Chancellor

Vice Chancellor

Provost

Campus Director, Al Ain

Dean, College of Arts and Sciences

Dean, College of Business Administration

Dean, College of Engineering

Dean, University College

Registrar



CHANCELLOR'S WELCOME

Dear Students,

Thank you for your interest in Abu Dhabi University.

Ever since its inception in 2003, Abu Dhabi University has dedicated its mission to the intellectual development of individuals who will graduate to be global leaders making a positive contribution to national and global prosperity. This mission, however, is not limited to educating students but is extended to the University's proactive participation in the national development process that will transform the UAE into a knowledge-based economy, thereby enhancing its status as a prosperous and strong nation.

At Abu Dhabi University, we are committed to building national capacity, and fueling the economic engine with talented graduates and excellent faculty. In eleven short years, the University has become a force for socio-economic progress, and cultural enrichment of our region. Our student enrollment has now reached 6000 students in undergraduate and postgraduate programs, our alums have reached almost 6100 and in the last 3 consecutive years the employment rate of Abu Dhabi University graduates has averaged an impressive 92%.

Through continuously updating our curriculum and attracting internationally renowned faculty while pursuing international accreditation from Western Commission of Schools and Colleges (WASC), today, our young University is closer than ever at achieving international stature and becoming a force to be reckoned with in the international circuit of higher education.

Abu Dhabi University's success stems from clarity of vision, and focus on quality. My goal as the Chancellor is to lead Abu Dhabi University to a new height of institutional prominence; igniting people's collective energy to make a difference, and creating an environment conducive to intellectual, professional, and personal growth for faculty and students.

As an ambitious student looking for an exciting career, leadership opportunity and professional growth, Abu Dhabi University is the right choice for you. I trust you will enjoy Abu Dhabi University experience and find this catalog a useful guide to your career choice.

Dr. Nabil Ibrahim

Abu Dhabi University Chancellor



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ABOUT ABU DHABI UNIVERSITY

Licensure and Program Accreditation

In the UAE, the authority to license institutions of higher education to grant degrees and other academic awards and to accredit their programs rests with the UAE Ministry of Higher Education and Scientific Research (MOHESR). Any institution located in the UAE that provides regular, theoretical, practical, or applied curricula of one academic year or longer beyond the UAE Secondary School Certification (or the equivalent) and that leads to an academic degree, certificate, or diploma, must be licensed and have its programs accredited in order to be officially recognized by the MOHESR (CAA Standards, 2011).

Therefore, MOHESR, and in particular its Commission for Academic Accreditation (CAA), ensures that universities in the UAE meet the specified standard to be licensed and that their programs fulfill necessary requirements to be accredited.

Abu Dhabi University and Licensure

Abu Dhabi University obtained its initial license in the year 2003. This license was renewed twice for both Abu Dhabi and Al-Ain campuses, and each renewal was for the maximum period of 5 years. The first renewal was in year 2008 through January 31st, 2013, and the second renewal was through June 30th, 2018. This re-licensure is renewed periodically according to normal MOHESR procedures.

Abu Dhabi University and Program Accreditation

Only after obtaining initial licensure, an institution may seek initial accreditation of each of the academic degree programs it plans to offer. Once conferred, initial accreditation applies to the program until after it has had graduates. Only after the first cohort of students graduate from an initially accredited program, will the institution apply for full accreditation of that program. Program accreditation is awarded for a period of five years.

Both the process for initial accreditation and the process for full accreditation require the review of the program by a visiting committee of experts in the discipline. This committee is normally drawn from outside the country in order to ensure that international standards of quality are being met.

All the programs that are now offered at Abu Dhabi University have received initial accreditation. Programs that have already graduated the first two cohorts have either received the full accreditation from the CAA, or are now in the process of seeking the full accreditation.

Programs offered at Abu Dhabi University that could have international accreditation by international accrediting bodies are also pursuing such accreditation.

In July 2014, three programs in the College of Engineering, namely the BS in Civil Engineering, the BS in Electrical Engineering, and the BS in Computer Engineering received ABET accreditation for the maximum period of 6 years until September 30th, 2020. ABET is the international accrediting body, based in the United States, for all engineering and technology programs. The accreditation action extends retroactively from October 1st, 2012. These are the first 3 programs that have students who graduated according to the revised study plans. Other programs in the College are also preparing for ABET accreditation.

The College of Business Administration has gone a long way in achieving the international accreditation for all of its programs through AACSB (the international accrediting body, based in the United States, for all business schools). The final AACSB Peer Review Team visit is anticipated during the period from 15 to 18 November 2014.



Current Abu Dhabi University Undergraduate Programs

The following list includes the undergraduate academic programs that have been initially accredited by the CAA:

College of Arts and Sciences

- Bachelor of Arts in Arts Culture and Heritage Management
- Bachelor of Arts in English
- Bachelor of Arts in Mass Communication
- Bachelor of Arts in Persian Language
- Bachelor of Science in Environmental Health & Safety
- Bachelor of Science in Environmental Science
- Bachelor of Science in Public Health

College of Business Administration

- Bachelor of Business Administration
- Bachelor of Business Administration in Accounting
- Bachelor of Business Administration in Finance
- Bachelor of Business Administration in Human Resources Management
- Bachelor of Business Administration in Management
- Bachelor of Business Administration in Marketing

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



Vision

Abu Dhabi University is an internationally recognized university for quality education and applied research that drives economic and social development in the region and beyond.

Mission

The mission of Abu Dhabi University is to produce highly qualified career-oriented graduates in alignment with regional and global needs through excellence in teaching, student learning, faculty scholarship and engagement in community development.

Institutional Culture and Shared Values

Abu Dhabi University prides itself on being a multicultural, student-centered community, committed to the ongoing development of its faculty, staff and facilities. Our values are deeply instilled and reflected in all our practices and embody elements of:

- Quality service
- Integrity
- Respect for all

- Embracing diversity
- Collegiality
- Equity
- Innovation
- Agility

Cultivating Excellence - University Strategic Goals

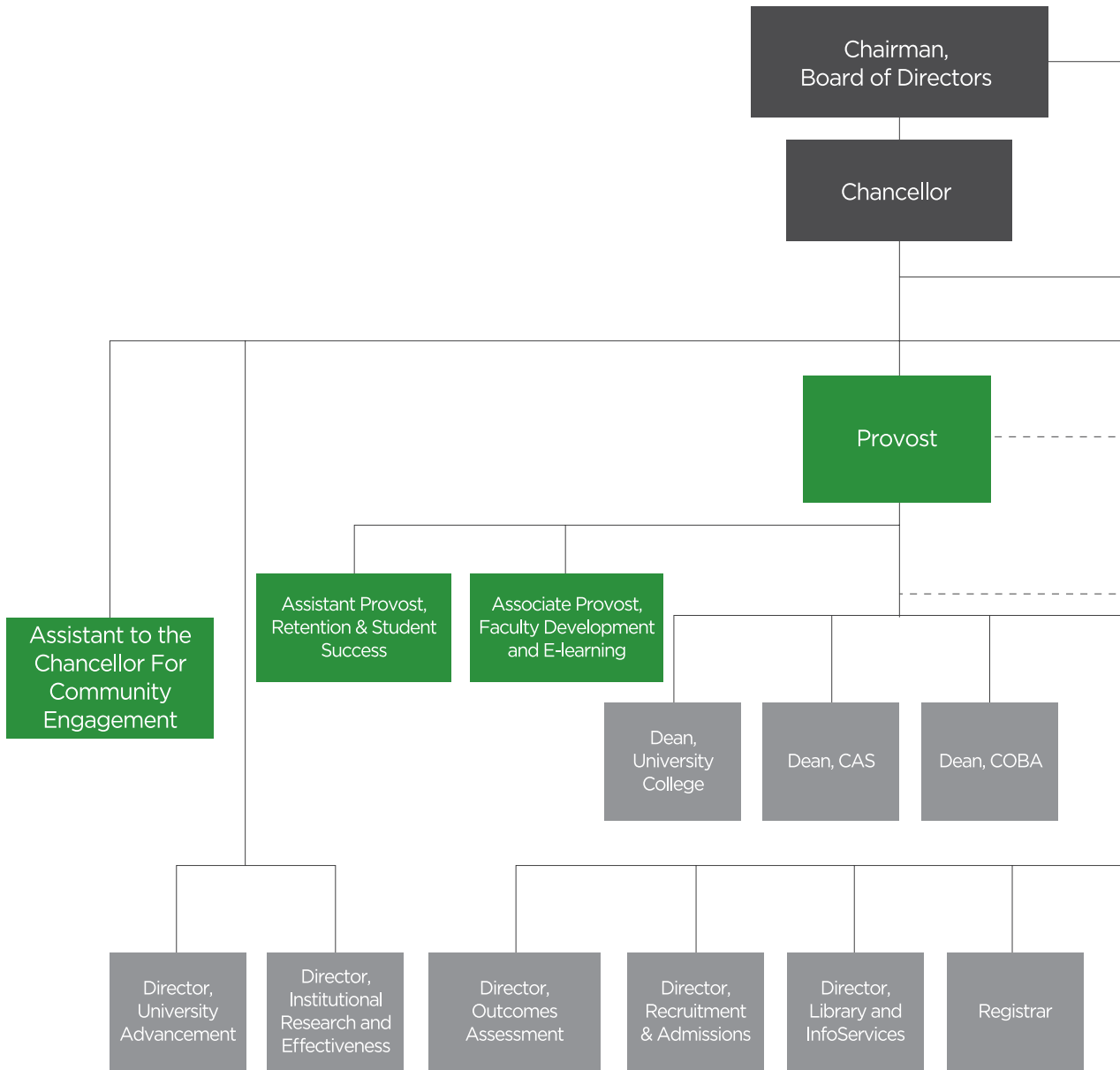
The goals are to:

1. Create a student-centered learning environment conducive to intellectual and professional student growth;
2. Meet the needs of our stakeholders (students, parents, government, private sector and partners) and be a responsive contributor to our community;
3. Achieve academic excellence at every level.;
4. Achieve operational excellence by creating a service oriented organization;
5. Nurture a creative and pleasant culture and learning environment;
6. Reach a sustainable financial position with the ongoing capacity to invest in growth and the pursuit of excellence.



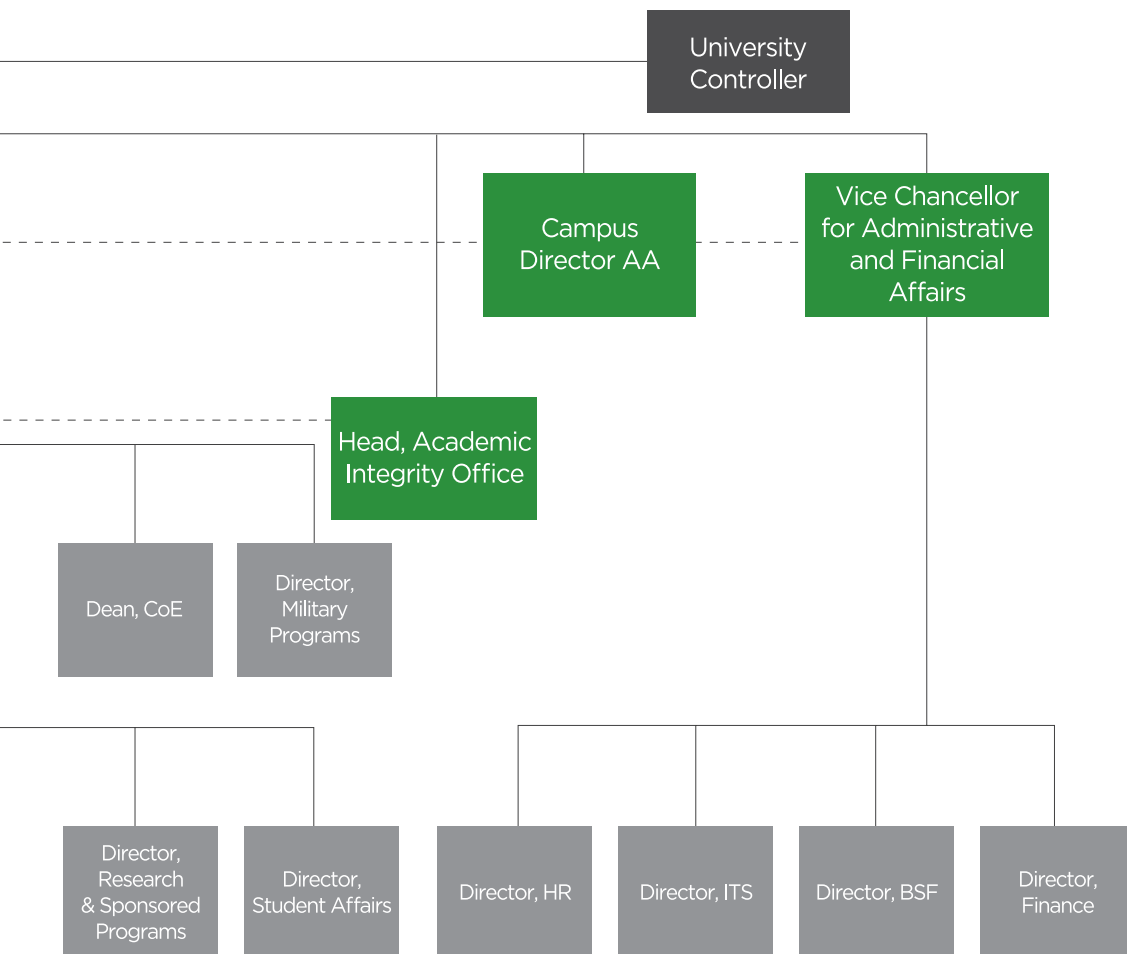


ADU Organization Chart





Chairs, Standing
Committees





ABU DHABI UNIVERSITY

جامعة أبوظبي

الجامعة
أبوظبي



An Overview

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 clarified for Abu Dhabi University one of the premier universities in the UAE, the Arabian Gulf region and the world, and have begun the process of building a determined-to-be-great 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 might 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 is
- 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

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.

Al Ain

The home city of the former President, H.H. Sheikh Zayed Bin Sultan Al Nahyan, God Bless His Soul, 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 students have the option to study in Abu Dhabi, the bustling capital city of the UAE or the scenic garden city of Al Ain.

The explosive growth in commerce, industry, education, tourism, construction, international trade, agriculture and manufacturing in the UAE plays itself out in both Abu Dhabi and Al Ain. These two cities provide unparalleled opportunities for personal enrichment and professional development for both nationals and expatriates who are pursuing their dreams of a better life for themselves and their families.



Abu Dhabi Campus

Abu Dhabi University offers you an unparalleled learning experience in a state-of-the-art educational environment. Abu Dhabi University prides itself for 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 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

Located in the city of Al Ain, also known as the OASIS of the UAE, Abu Dhabi University's Al Ain Campus enjoys all the modern facilities to cater for 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 over 1,000 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 programs classrooms, students' lounges, recreational facilities, a cafeteria, and an outdoor courtyard. Our students have all the key facilities to their disposal that will provide them with all the educational necessities that make for an effective teaching and an enjoyable learning environment.



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.

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.

Fulltime 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 fulltime 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.

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.

Weekly Bulletin – A weekly publication designed to communicate, to Abu Dhabi University students, developments in each of Abu Dhabi University's colleges or departments regarding upcoming events, program offerings, new policies, on-campus events and other related information. This is posted on a weekly basis on the bulletin boards.

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



ADMISSION, ENROLLMENT AND REGISTRATION

General Admission Information

Application forms and supplementary information are available at the Admissions, Enrollment & International Relations Department. Applications for admission should be submitted by the dates announced by the Admissions, Enrollment & International Relations Department and published in the Abu Dhabi University Academic Calendar.

Abu Dhabi University accepts applications on a rolling basis throughout the year, and has intakes in the Fall, Winter, Spring, and Summer. The Admissions, Enrollment & International Relations Department will provide the date, time, and place of the required entrance examination, if any.

All applications will be reviewed and evaluated on an individual basis. All documents received by Abu Dhabi University in connection with applications for admission will become the property of Abu Dhabi University. Under no circumstances will they be returned to the applicant, forwarded to another institution, or duplicated for any other purpose.

Students submitting their application to Abu Dhabi University must certify that the information they have provided to Abu Dhabi University is truthful and accurate.

If relevant information is not disclosed to Abu Dhabi University upon admission, this will be grounds for rejection of the application or termination of enrollment.

If the student is found to have provided false or misleading information in their Abu Dhabi University application and supporting documents, or if the student fails to disclose relevant information in order to meet Abu Dhabi University admissions requirements, the Admissions, Enrollment & International Relations Department will decline the student's application to Abu Dhabi University or immediately deactivate the student's registration status and freeze any on-campus activities in which he/she is involved. Students will receive a copy of the Abu Dhabi University Academic Integrity Policy along with their admission letter. They will also sign the Abu Dhabi University Code of Honor once they receive their admission letter.

Abu Dhabi University will admit qualified students without regard to race, color, gender, religion, national origin, or physical impairment/abilities. Physically challenged students must provide for their own special needs while attending Abu Dhabi University.



The following documents are required for admission:

- A. Completed application form.
- B. Certified copy of official general secondary or high school certificate or its equivalent.
- C. Original Equivalency letter issued by Ministry of Education in the UAE (applicable to international certificates).
- D. 4 recent passport sized photographs.
- E. Copy of a valid passport (and residence visa, if resident in the UAE).
- F. Copy of UAE National ID Card (if resident in the UAE).
- G. Certificate of good conduct from the police department for UAE Nationals and UAE resident students.
- H. Official score report either: Academic IELTS(5.0), iBT TOEFL(61) or ITP 500 (taken at ADUKG or Amideast only).
- I. Medical examination clearance form. (provided by the Admission department, if resident in the UAE).
- J. Official transcripts and course syllabi from other universities for credit transfer.
- K. Proof of eleven years of schooling required for students applying with IGCSE/GCSE subjects.
- L. Non-refundable application fee.

Once an application and 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.

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 (Decrees No. 200/year 2004 and No. 133/year 2005), 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.
2. **British Curriculum Certificates:** The original School Leaving Certificate must be provided with evidence of a minimum of 11 years of schooling. The minimum required for university admission is a total of seven (7) courses at either O-level or AS/A2 level, in at least four (4) of the following fields: Mathematics, Languages, Sciences, Social Studies and Humanities, Art and Design; and a minimum required grade of C for the O-levels, D for the AS and E for A2 courses. The above mentioned scores will allow the student to enter the University College. Higher scores are required for direct admission into Abu Dhabi University's Colleges/Majors.
3. **American High School Diploma (HSD)** with a minimum of six (6) subjects covering the following fields: Mathematics, Languages, Sciences, Social Studies and Humanities. The minimum required average for university admission is a Grade Point Average (GPA) of two (2). A GPA of 2.0 allows the student to enter the University College. A higher GPA is required for Direct Admission into Abu Dhabi University's Colleges/Majors.
4. **International Baccalaureate (IB)** with a minimum of six (6) subjects. The minimum required average for university admission is a grade of four (4). A higher grade/score is required for direct Admission into Abu Dhabi University Colleges/Majors.
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 11-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 11-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:** Kindly refer to the required averages to enter each College/Major.

The University will consider equivalent certificates and grades from other educational systems by evaluating them using the World Education Services (www.wes.org) or the American Association of Collegiate Registrars and Admissions Officers (www.aacrao.org). 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.

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 deactivated

- A copy of the student's passport (valid for at least 6 months);
- 6 passport-size photographs;
- A letter of adequate funds (10,000 USD or convertible currency for tuition, accommodation and cost of living);
- A standard form indicating that the applicant will abide by the Abu Dhabi University rules and regulations; and
- An evaluation report form stated above showing an equivalent average to the one required by Abu Dhabi University.

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.

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, Amideast, 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, Amideast, the embassy of the country, and the Ministry of Education in the country of study.



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, or by checking the certified results posted on an official website on the Internet.

English Proficiency

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

1. 61 on the internet-based version of the TOEFL (iBT), or
2. A minimum score of 5.0 on the academic version of the International English Language Testing System (IELTS), or
3. 500 + in the Institutional TOEFL (IT) which is administered by Abu Dhabi University.
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 IT 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:

ELI Courses	IELTS Scores Overall	iBT Scores	ITP Scores
IELTS 2	4.5	53 – 60	477-499
IELTS 1	4.0	41 – 52	437-476
GENERAL ENGLISH 2	3.5	19 – 40	347-436
GENERAL ENGLISH 1	3.0	18 below	346 below

In order to exit the ELI levels and join the University College (UC), students must score 500 + on the IT and 5+, or a minimum of 5 in the Academic IELTS test, or score 61+ on the iBT or PTEA 36.



Credit Transfer

Undergraduate students may apply for a credit transfer for courses, taken at federal or licensed institutions in the UAE or at recognized foreign institutions of higher education, prior to joining Abu Dhabi University only when they first apply for admission to Abu Dhabi University.

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. Student may transfer to any Abu Dhabi University undergraduate program of study similar to that from which the student is transferring provided he/she is in good academic standing (CGPA of 2.0 on a 4.0 scale or equivalent).
2. Students who are not in good academic standing (CGPA of 2.0 on a 4.0 scale or equivalent), may transfer to an Abu Dhabi University undergraduate program that is in a field different from the one from which the student is transferring.
3. 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 Abu Dhabi University program.
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. 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.



6. The maximum approved transfer credits must not exceed 50% of the total credits towards a bachelors program at Abu Dhabi University.
 7. 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.
 8. Credits to be transferred towards a bachelor degree must be of grades of at least C, or equivalent to C, at Abu Dhabi University.
 9. The course credit hours to be transferred must be equal to or higher than the credit hours of Abu Dhabi University courses.
 10. 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.
 11. 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).
 12. 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).
 13. 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.
 14. 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.
 15. A maximum of 15 AP or A level credits is allowed for transfer.
 16. All APCs, A levels and other credit transfers will appear on the student's transcript with a 'T' grade and will not be included in the calculation of the GPA.
 17. Diploma and senior level courses may be transferred based on College Dean's recommendations.
 18. 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.
 19. 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.
- 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 package to the colleges for further evaluation. Colleges will reply to the Admissions, Enrollment & International Relations Department within two weeks from receiving the request.
- 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 intuitions 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 requirement courses will be transferred in that case.



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. 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 university requirement courses will be transferred to Abu Dhabi University.

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:

Completed application form with the required application fee;

1. Copy of passport;
2. 2 photographs;

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.

Audit Students

If a student is planning to take classes without completing a certificate, diploma, or degree program, he/she should be classified as an audit student. The student will need to complete the application for admission and fulfill any prerequisite requirements as outlined in the University Catalogue. Students must submit evidence of graduation from a high school. Students registered as auditors

shall be required to pay the regular tuition and fees for enrollment.

Students enrolled as audit students may register for a maximum of 12 credit hours per semester. Enrollment is contingent on having available space in the class. Minimum requirements may include attendance at all classes and course readings for participation in class discussions.

No university credit will be allowed for auditing courses, nor may students apply for or take special examinations for university credit in courses which they have audited. Courses taken for audit do not earn academic credit, do not apply toward any academic degree, and do not count toward a student's full-time or part-time academic load. The student is expected to participate in the work of the class, but gets neither grade nor credit.

A student who is registered as an auditor may not change the audit course to a "credit" status, i.e. a regular registration; likewise, a student registered for credit may not change to audit status. The deadlines for auditing courses are the same as those for courses taken for credit.

An audited course does not contribute toward college requirements and any student who wishes there after to receive degree credit for the class must repeat the course with all the work. A student may not audit practicum or internships, and the Registrar reserves the right to restrict registration for audit in other courses.

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 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.

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.

Orientation Program

The Admissions, Enrollment & International Relations Department 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 from the semester 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.

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 students 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 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 such 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 as being registered for the course, and 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 having been in 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.

Tuition Fee

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 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	1200	975
Arts and Sciences	per credit hour	1200	1000
Business Administration	per credit hour	1500	1100
Engineering	per credit hour	1650	1200
Engineering Other Programs (BSc Aviation and BSc Civil Engineering)	per credit hour	1750	-
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	900	
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	-
Other Fees - Both campuses			
Degree Attestation Fees	Upon Graduation	180	
Graduation Fee	Upon Graduation	1,000	
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 student's request	65	
Official Transcript	any time/upon student's request	55	
Enrollment Letter	any time/upon student's request	30	
Locker Key Replacement	any time/upon student's request	100	
Penalty Bounced cheques	per cheque	500	
Post-Dated Cheques	per cheque	130	
Repatriation Deposit	one time	2150	
Residence Visa (Applicants inside UAE)	one time	1400	
Residence Visa (Applicants outside UAE)	one time	850	
Visa Transfer	one time	1200	
Visa Renewal	one time	550	
Visa Cancellation (ADU has passport)	one time	120	
Visa Cancellation (ADU doesn't have passport)	one time	300	
Student Health Insurance	per Year	800	
Maintenance Deposit	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.



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. Tuition and fees may also be paid by cash, checks, and valid credit cards in the Abu Dhabi University finance office.

Cash Payment at the Bank

If you wish to pay in cash, please follow the following 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,

- 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.
- 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;
 - c. 50% refund during the third academic calendar week; and
 - d. 0% refund as of the fourth 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 two following business days; and
- d. 0% refund after the above period.

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 7 credit hours in any summer or winter term. Any student with a GPA of at least 3.00 may register for up to 9 credit hours in any summer or winter term.

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





College of Arts and Sciences Undergraduate Admission

Direct Admission into CAS:

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.

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 university 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 100, ITE 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 university 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 100, ITE 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 70% and above for the other programs	Min 65%	50-64.9% with Diploma 60-64.9% without Diploma
Vocational Certificate/ 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 Administration Undergraduate Admission

The following conditions apply to all College of Business Administration applicants:

All new students who apply for admission in the College of Business Administration must take the Math Placement Test (MPT) administered by the University College. Based on the Math Placement Test (MPT) result, students will either register in Mathematics and Calculus for Business & Economics (MTB 101) or in College Mathematics (MTG 100). Students who pass the Math Placement Test (MPT) can register directly in Mathematics and Calculus for Business & Economics (MTB 101) course while others will need to register in College Mathematics (MTG 100) first and pass it with a minimum grade of "C" or its equivalent and the course will be considered as a remedial course.

Direct Admission to the College

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 Administration. 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.

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 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 university 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 university 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 COBA:

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



College of Engineering Undergraduate Admission

Direct Admission to the College:

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 (tvIPT) 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 with a minimum grade of a "C": UNS 100, ENG 105, MTT 101 (if 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 with a minimum grade of a "C": UNS 100, ENG 105, MTT 101 (if a required course) course).



The table below summarizes the types of admission into 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 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 SUPPORT SERVICES

Mission

The Student Support Services endeavors to build on the overall university mission by offering services and facilities that fosters academic achievements, encourages students' development and fosters a healthy campus environment.

Vision

Through superior educational and social knowledge, we aim to fully prepare our students to be contributing members of a diverse, dynamic and challenging global society.

Student Housing

Abu Dhabi University (Abu Dhabi Campus) offers residence units of different classifications, all of which are apartment/studio type which are housed in buildings with 24/7 security and/or security system. Student dormitories are separated in terms of gender, in observance of the Gender-segregation Policy of the University. These residences are strategically located within the University, creating an atmosphere most conducive to learning and comfort of students.

Each dormitory is manned by a Supervisor and Security Personnel who are available 24/7 to cater to students' requests and other needs. Due to health and hygiene purposes, pets are not allowed in the dormitories.

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 2 beds with shared kitchen and bath (2 persons/unit)

Double-Shared Occupancy

Two-bedroom unit with 2 beds in each room and shared kitchen and bath (4 persons/unit)

All units are furnished with beds and complete beddings, cupboards, closets, microwave ovens and refrigerators.

Services and Facilities available:

- Common kitchen
- Laundry rooms
- Common washrooms
- TV room
- Computer areas with PC and wired internet connections
- Wireless Internet connection
- Gym
- Sports Facilities (football, basketball, volleyball, tennis courts)
- Supermarket
- Transportation to and from shopping areas

Due to health and hygiene purposes, pets are not allowed in the dormitories.

Curfew hours are applied to ensure student safety and to promote a secured environment of campus-living.

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. First student pays full tuition
2. Each of every two students enrolled shall benefit from a 15 percent reduction in tuition;
3. Each of every three students enrolled shall benefit from a 20 percent reduction in tuition;
4. Each of every four or more students enrolled shall benefit from a 25 percent reduction in tuition.

Ongoing family tuition reduction maintenance requirement

1. A minimum CGPA of 2.5 is required.
2. A minimum of 12 credit hours per semester.

Rules and Regulations

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

- a. Family tuition reduction applications will be submitted at least 5 business days prior to the first day of the semester start date to be accepted for consideration.
- b. 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.
- c. Tuition reduction will be applicable to the students who are enrolled at Abu Dhabi University in full-time status with 12 credit hours per semester.
- d. The tuition reduction will not cover any repeated courses including courses which graded as F, WA, and W.
- e. 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.
- f. 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.
- g. Tuition reduction will not cover the summer and winter terms.
- h. Students with Faculty/Staff tuition reduction are not eligible for family tuition reduction.
- i. Students do not need to re-apply for Family tuition reduction on a yearly basis but are required to submit schedules for all enrolled family members after the drop add period at the beginning of each semester to

maintain the eligibility for the family tuition reduction continue with Family tuition reduction otherwise they will be requested to pay full amount and their tuition reduction will be adjusted accordingly

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. In some cases, the English language requirements are also included. It is not necessary to re-apply for a scholarship as long all maintenance criteria (outlined below) are met.

H. H. Sheikh Hamdan Bin Zayed Scholarship (10 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 10 public secondary school graduates across the UAE who are newly admitted & join ADU 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 ADU 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 Nahyan.
- c. Meeting the English Language Proficiency Requirements defined by the Ministry of Higher Education and Scientific Research.

Ongoing Scholarship Maintenance Requirements:

1. A minimum Cumulative Grade Point Average (CGPA) of 3.70.
2. 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 of secondary school who newly graduate from secondary school and join ADU in the same year of their secondary school graduation. Eligible students



may receive university scholarship for the period of time they are enrolled at ADU in fulltime status.

- 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:

1. A minimum CGPA of 3.70.
2. A minimum of 12 passed credit hours per semester.

Abu Dhabi University Founder's Scholarship:

(2 seats for each member annually)

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

Eligibility Requirements:

- a. Receipt of the scholarship is contingent upon the selection and formal approval from the ADU Founders; H.E Dhafer Sahmi Al Ahbabi, Qusay Mohammed Al Ghussain and H.E Ali Saeed Bin Harmal Al Dhaheiri.
- b. Meeting the English Language Proficiency Requirements defined by the Ministry of Higher Education and Scientific Research.

Ongoing Scholarship Maintenance:

1. A minimum CGPA of 2.50.
2. A minimum of 12 passed credit hours per semester.

Board of Regents Scholarship:

(1 seat for each Board Member)

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

- a. Receipt of the scholarship is contingent upon the selection and formal approval from the Board Member.
- b. Meeting the English Language Proficiency Requirements defined by the Ministry of Higher Education and Scientific Research.

Ongoing Scholarship Maintenance:

1. A minimum CGPA of 2.50.
2. A minimum of 12 passed credit hours per semester.

University Scholarship

Value: 30% or 20% waiver on tuition fees for UAE & GCC candidates (GCC candidates must provide official attested documents).

- a. Students who newly graduated from secondary school with an average of 95 to 100 percent and join in fall of their graduation year may receive a scholarship with a value up to 30 percent of the tuition.
- b. Students who newly graduated from secondary school with an average of 90 to 94.99 percent and join in fall of their graduation year may receive a scholarship with a value of up to 20 percent of the tuition.
- c. This Scholarship is awarded to UAE residents including GCC candidates who meet the specified criteria.
- d. Dedicate 20 hours per semester, including the summer or winter term, an approved form of community service and charitable volunteer work, on campus.
- e. Students with university scholarship maintained automatically at the reduction rates as previously approved when a student maintains a minimum CGPA of 3.70 and 12 passed credit hours per semester.

Academic Scholarship

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

Eligibility Requirements:

- a. This scholarship is available to continuing students who obtain 3.70 CGPA for two consecutive semesters.
- b. Dedicate 20 hours per semester, including the summer or winter term, an approved form of community service and charitable volunteer work, on campus.

Ongoing Scholarship Maintenance:

1. A minimum CGPA of 3.70.
2. 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:

1. A minimum CGPA of 2.5.
2. 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 approved by Scholarship and Student Aid Office need to reapply for the applicable scholarship from first week of May till mid of June.
- 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 semester following the offense.
- 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 do not cover the summer or winter 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.
- m. Newly graduated High School graduate students who wish to apply for one of the scholarships who meet the eligibility requirements can apply online starting from first week of November till end of May. Eligible students will receive a conditional scholarship letter but need to visit the Financial Aid Office anytime during the period from June 15 until July 15 to submit their final grade 12 results. Exception for IGCSE students, who will be given an extension until August 15 to submit their final grade 12 results.
- n. Continuing students who would like to apply to receive academic scholarship who meet the eligibility requirement can submit their applications starting from December 15 until December 30 from, June 15 to June 30.

Financial Aid

Sanabil -Qutoof Program:

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. Only one member of a family may receive Sanabil during any given period.



- e. Meeting the English language proficiency requirements as defined by the Ministry of Higher Education and Scientific Research.

Ongoing Financial Aid Maintenance Requirements:

- 1. A minimum Cumulative Grade Point Average (CGPA) of 2.5.
- 2. A minimum of 12 passed credit hours 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 is available only to students who are enrolled as full-time students (12 credit hours per semester) at ADU and enrolled on a continuous basis.
- d. Financial aid will not cover any repeated courses including grades such as F, WA, and W).
- e. Any student who is found guilty of a student code of conduct violation or an academic integrity offense will forfeit financial aid for the semester following the offense. If a student found guilty of providing false documents to become eligible for financial aid support will forfeit their eligibility for any financial support provided by ADU for the rest of his/her study.
- f. 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.
- g. Benefits outlined herein shall be granted according to the time period indicated by the study plan.
- h. Financial aid will not cover the winter and summer terms.
- i. 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.
- j. 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 any time from December 15 to December 30 or from June 15 to June 30.
- k. The awarding of Sanabil is dependent upon the availability of university funds; therefore, due to limitations, it is possible that not all qualifying candidates will receive financial aid.
- l. Continuing students need to re-apply for financial aid on a yearly basis and are required to submit updated documents throughout the academic year however no later than the periods between starting from December 15 to December 30 or from June 15 to June 30 to maintain the financial aid.
- m. Students must dedicate 30 hours per semester, including the summer and winter terms, as an approved form of community service on-campus.
- n. In some humanitarian cases, the Office of Scholarships and Financial Aid can seek an exception from the committee for a maximum of 10 students for financial support with maximum of 20%. This exception will not be granted more than one time.
- o. Newly graduated High School graduate students who wish to apply for financial aid support who meet the eligibility requirements can apply online starting from first week of April till end of May. Eligible students will need to visit the Financial Aid Office anytime during the period from June 15 until July 15. Students from IGCSE School will be given extended time till August 15 week.

Student Engagement & Development Office (SEDO)

Student Engagement & Development Office is a student-centered department that works dynamically to provide the Abu Dhabi University community with an expansive variety of Cultural, Social, Artistic, Religious, Environmental, Recreational, Health, and Athletic programs. SEDO is always looking forward to create a vibrant campus life and to engage students into the activities and events that occurs in & off campus. Programs that represent the aim of the office are the following;

- Student Council Program: Aims to build a strong bridge of communication between the students and the Abu Dhabi University Management and embrace the needs of the students to bring about significant developments in Abu Dhabi University.
- Clubs Program: Aims to motivate Abu Dhabi University students to create their own activities through illustrating their culture, interest, and professionalism.



- **Community Service:** Aims to encourage volunteerism work for students, to support UAE community.
- **Sport:** Aims to enhance the physical skills of Abu Dhabi University students, through various activities in and out campus, such as football, basketball, cricket, and volleyball tournaments and games.
- **PDP-Personal Development Planning Program:** Maintain active and well skilled Abu Dhabi University students through developing their interpersonal skills by applying the Abu Dhabi University Graduate Skills Standard.

Throughout the students' several development and empowerment programs, they gain the ability and authority to make decisions and implement change in their own lives and the lives of all Abu Dhabi University community. Hence, harmonizing the efforts of the teaching faculty, students are empowered.

SEDO 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 greater community.

Career Development Department

The Career Development Department 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 Career Development Department focuses on experiential education opportunities throughout the academic year in tune with the requirements of the UAE labor market. Therefore, upon graduation, Abu Dhabi University students manage to get their way to the most prestigious companies in the country and reach higher in their career pursuit. The Career Development Department offers a range of services:

Career Services: The Career Development Department in partnership with SUMMIT Career Management Services offers recruitment services for Abu Dhabi University graduates, one-to-one career guidance interviews and advice, a range of careers workshops and interviews, aptitude and personality tests, and provides specialist careers advisers who support Abu Dhabi University students in exploring their careers options.

Career Fair: Abu Dhabi University secures the accessibility of its students to the job market and their network with companies. A career fair is held annually at Abu Dhabi campus and is attended by governmental agencies, local and multinational organizations.

Employer Talks: The Career Development Department arranges a series of employer talks and seminars designed for Abu Dhabi University students and graduates. These informative talks and presentations allow students to learn more about the career path of professionals, companies and their graduate programs, and employment opportunities. Students can distribute their CVs directly to a future employer as well as speak to companies' representatives for career advice and opportunities.





On-campus Student Employment Program (SEP):

Abu Dhabi University offers the opportunity to students to acquire valuable work experience and develop their skills and resumes while studying through short-term on-campus employment. SEP allows the student to enjoy flexibility of work by providing them the option to work during their free time. The on-campus student employment program adheres to labor and higher education ministry regulations.

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.

Internship is a supervised, practical training program over a specific period of time, and that which carries credit. The career development office offers assistance to students requiring internship placements. Whenever possible, students are encouraged to seek and arrange their own 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 internship. Assessment is based on the evaluation of the college mentor and company supervisor evaluation, student commitment, and internship reports prepared by the intern.

To contact the Career Development Department, please email careers@adu.ac.ae

Connect with us:

Facebook: [aducareerdevelopment](#)

Twitter: @ADUCareerDev

LinkedIn: Career Devt Dept ADU

Counseling Service

Counseling Services aims 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 in a more productive way. 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/or difficulties with educational/academic matters, coping/adjustment skills to academia, and interpersonal issues affecting academic performance.

Group Counseling - provides an opportunity for 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 promote cultural value and individual respect and Consultation with students, family members, guardians, faculty and staff, Emergency Response when 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 provide assistance for 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, birth defect or illness and, without limiting the generality of the foregoing 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;
3. A mental disorder, where “mental disorder” means a disorder of thought, perception, feelings or behavior that impairs a person's:
 - Judgment
 - Ability to associate with others

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 following discussion with the course coordinator, determine what support or accommodations are appropriate. In making an assessment, 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 Visa & Health Insurance

Abu Dhabi University students who choose to be sponsored by the University in terms of residence visa should apply through the Student Support Services Office. The visa sponsorship process requires certain conditions that students should meet in order to obtain and maintain student visa. Such conditions are covered by government rules and regulations.

- Should be full time students: with a minimum 12 credit hours for Undergraduate and minimum 6 credit hours for Postgraduate students.
- A student must not be employed while under the sponsorship of the University unless authorized by Ministry of Labor.
- Students must promptly respond to any notice,

telecommunication, E-mail & SMS involved with their visas and/or Health Insurance Cards renewal process.

- Students must commit to the registration rules as per Abu Dhabi University policy.
- Immediate updating the Student Support Service office with any changes may occur to the students communication channels (Tel Nos. & E-mails).

Students under Abu Dhabi University sponsorships and to all International GCC students wish to have Health Insurance should apply through the Student Support Services with the following below requirements. Health Insurance processing will take 7 to 10 days maximum upon submission of complete requirements.

- Copy of valid passport with visa page
- (1) passport size photo white background
- Copy of Emirates ID/Application form
- Fee

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 Services 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 accessibility 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.



Bookshop

The Abu Dhabi University bookstore stocks all required texts and eBooks that faculty wish students to read for their courses.

Textbooks and eBooks are ordered from the publishers and local distributors.

Abu Dhabi University bookstore is dedicated to providing textbooks and eBooks on time, combining service with value pricing. Constantly striving to supply what the consumer is asking for, Abu Dhabi University bookstore will continually review what is available in the marketplace, improving on what is available and providing new products and services as needed.

The Bookstore have "A Used Textbook Buy-back Program", wherein students can sell their used textbooks and they will be given credit on their accounts which can be used to pay their tuition, books, and other fees.

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, Internet access, photocopying and printing services. 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 Abu Dhabi University library director or an authorized representative;
- students of other UAE universities as authorized by the director of the library.

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

- Circulation and Reserves.
- Photocopying Service.

- Printing Service.
- Reference Service.
- Full Text e-Journals Search
- Group Study Rooms.
- Information Literacy Sessions.
- Interlibrary Loan.
- Online Library Catalog

General Rules

Abu Dhabi University library regulations are approved by the Library Review Committee, with the aim of giving all library users the opportunity to make the fullest use of one of Abu Dhabi University's most valuable resources. The regulations shall describe what Abu Dhabi University expects from users in dealings with the library. Abu Dhabi University Library Committee will be responsible for reviewing and updating library policies and procedures as necessary.

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 Saturday 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:	9:00 am – 8:00 pm
Saturday:	12:00 noon – 8:00 pm
Friday:	Closed

Ramadan and summer sessions have special hours
Public holidays and special days - CLOSED

The opening hours of Abu Dhabi University are displayed at the library entrance. The library normally closes on days on which Abu Dhabi University is closed as published in the Abu Dhabi University Calendar and the daily newspapers. Use of the Abu Dhabi University library is normally permitted to registered readers only and is conditional on the observance of its regulations and any other general regulations laid down by Abu Dhabi University for use of its facilities. Admission to closed collections is at the discretion of the library director and 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.



Healthcare Clinic On Campus

Healthcare Clinic on Campus aims to provide Basic First Aid Healthcare services and health awareness workshops. Abu Dhabi University community will gain from continued commitment in providing quality and reliable healthcare services.

Abu Dhabi University provides access to health care services for students and other members of Abu Dhabi University community. Our health services will accommodate all students, faculty and staff emergencies during office hours.

We are accepting patients on a walk-in or appointment basis, and offer prompt referral of patients to sub-specialist consultants where necessary. When the university health service is closed, students with serious medical emergencies are advised to go to the nearest Medical Facility. Abu Dhabi University Clinic sustains highest level of ethical standards and confidentiality in adherence to Health Authority of Abu Dhabi and Abu Dhabi University policies and procedures.

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:

- Al Farooj Restaurant
- Nabraas Restaurant
- Dunkin' Donuts
- High Quality Restaurant
- Maison Maatouk
- Subway
- Cinnamon City
- Dolce Coffee Shop
- Starbucks Coffee
- Circle K Supermarket

Contact Centre

Abu Dhabi University Contact Centre 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 who call the Operator (501-5555). The University Contact Center employs dedicated full time staffs along with part time support staffs and current ADU 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 Centre 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 centre of what we do. The Contact Centre supports a wide range of service initiatives aimed at helping different departments within the Abu Dhabi University like managing the Operator line – 501-5555, outbound calling projects, 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 enquires call 800 23968 or email Admissions@adu.ac.ae

Our Commitment to Quality

The ADU Contact Service Centre 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 Centre is also independently assessed through Mystery shopping each month by Nielsen, a global consumer research company who specializes in such fields. ADU Contact Centre has been consistently performing highly with more than 97% average in the last 7-month.

Employment Opportunities for Students

The ADU Contact Service Centre employs current ADU 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 Centre 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 centre 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.

Health and Safety

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

Line responsibility for good health and safety practice begins with the supervisor in the workplace, laboratory or classroom and proceeds upward through the 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 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 equipment, substances and work systems used are suitable for their intended purposes and take all reasonable and practical steps to meet safety requirements;
- Protect the health and safety of Abu Dhabi University faculty, staff, students and visitors who currently reside in the university campus;
- 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.

The managers of Safety & Security and Health & Counseling departments together with top management personnel in the University form the Environmental Health & Safety (EH&S) Committee who is responsible for recommending University-wide health and safety policies; ensuring overall institutional compliance with policies, statutes, and regulations; monitoring the effectiveness of the safety programs; identifying the risk at the workplace and providing central health and safety services to all areas of the University.





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	Good
C+	2.50	75-79	Satisfactory
C	2.00	70-74	Satisfactory
D+	1.50	65-69	Poor
D	1.00	60-64	Poor
F (credit)	0.00	Less than 60	Fail
F (non-credit)	N/A	N/A	Fail
P (non-credit)	N/A	N/A	Pass
I	N/A	N/A	Assigned for Incomplete course work
T	N/A	N/A	Transferred Course
IP	N/A	N/A	In Progress
W	N/A	N/A	Withdrawal from a Course
WA	N/A	N/A	Withdrawal from a Course due to exceeding Absence Limit
CC	N/A	N/A	Course Continuation
H	N/A	N/A	Final grades 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:

A

Excellent mastery of course material

B+

Very good mastery of course material

B

Good mastery of course material

C+, C

Satisfactory performance in the course

D+, D

Poor performance in the course

F (credit)

Unacceptable performance in the course (Failure)

F (non-credit)

Unsatisfactory completion of non-credit undergraduate and ELI courses (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 and the course instructor as per the Abu Dhabi University Attendance Policy.

Advanced courses may not be taken if the course with an Incomplete grade is a pre-requisite for the advanced course, unless the grade is finalized before the start of the following semester.

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.

W (Withdrawal)

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 due to Absences)

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

P (non-credit)

Satisfactory completion of non-credit ELI (This grade is not computed in the student's GPA but determines students' 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).

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".

IP (In Progress)

The "IP" grade is awarded when certain course-related activities, such as internships, or projects taken in lieu of internships, 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.

CC Course Continuation

The "CC" grade is used to indicate continuation of a multi-semester course. The CC is not a grade, but merely a space holder on the student's transcript which clarifies that a student is still enrolled within a given course.



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”, “CC”, “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 Abu Dhabi University until the end of a given semester.

The CGPA is obtained by dividing the total quality points earned from the initial enrollment at Abu Dhabi University 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”, “CC”, “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 Abu Dhabi University will not be issued transcripts.





Graduation with Honors

Abu Dhabi University 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

Abu Dhabi University 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.

Student Assessment and Late Coursework Guidelines

Abu Dhabi University 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 Abu Dhabi University 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 Abu Dhabi University 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

Late Submission Coursework

1. The due date for each class assignment or project should be clearly indicated to the students in the course outline.
2. Assignments received more than two weeks after the due date should not be accepted.
3. 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.
4. 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.



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., a B.A. and a 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)/College Of Business Administration (COBA)

• 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 Engineering (COE)

B of Architecture

• First Year	00 - 35	credit hours
• Second Year	36 - 68	credit hours
• Third Year	69 - 98	credit hours
• Fourth Year	99 -130	credit hours
• Fifth Year	131+	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 - 35	credit hours
• Second Year/Sophomores	36 - 68	credit hours
• Third Year/Juniors	69 - 104	credit hours
• Final Year/Seniors	105+	credit hours

BSc Electrical Engineering/BSc Mechanical Engineering

• First Year/Freshmen	00 - 30	credit hours
• Second Year/Sophomores	31 - 65	credit hours
• Third Year/Juniors	66 -101	credit hours
• Final Year/Seniors	102+	credit hours

BSc Civil Engineering

• First Year/Freshmen	00 - 37	credit hours
• Second Year/Sophomores	38 - 72	credit hours
• Third Year/Juniors	73 -108	credit hours
• Final Year/Seniors	109+	credit hours

BSc Computer Engineer/BSc Interior Design

• First Year/Freshmen	00 - 35	credit hours
• Second Year/Sophomores	36 - 71	credit hours
• Third Year/Juniors	72 -107	credit hours
• Final Year/Seniors	108+	credit hours

BSc Information Technology

• 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 15 weeks. One credit hour of laboratory is defined as 135 minutes per week for 15 weeks. Customarily, weekly quizzes and mid-term examinations are included in the 15 week semester, with final examinations occurring in a special 16th week set aside just for these exams.

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 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%, 20%, and 25%. 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,

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.

Academic Advisory System

In keeping with its mission, goals and objectives, Abu Dhabi University is committed to providing support to students to help them achieve their potential. Academic advisors play critical roles in this regard. Advisors continuously assess the academic progress of each student and develop and communicate strategies to improve student performance in the classroom. This policy specifies the division of advising responsibilities



between professional full-time advisors and faculty advisors. The division of responsibilities is designed to ensure that each student has the information needed to make decisions that will optimize the educational experience.

Assignment of Advisors

Each first and second year undergraduate student is assigned a full-time professional advisor in the college of the student's intended major. Each third year and beyond undergraduate student will be assigned either a professional advisor or a faculty advisor in the department of the student's major.

Advising Responsibilities

Professional advisors are expected to:

- Have a folder for each advisee with completed Student-Advisor Meeting Record Forms for all advising sessions.
- Complete a monthly report of advising activities and submit the report to the appropriate dean.
- Regularly review and assist in the updating of the College Advising Handbook.
- Assist advisees in all aspects of the registration process.
- Be available to students on a regular basis. Post office hours and keep them.
- Inform advisees about academic deadlines (drop-add, withdrawal, etc.).
- Review transcript and study plan with each advisee before the registration planning session.
- Address university requirements at each registration planning session.
- Check prerequisites for all courses.
- Check major program requirements and sequences of courses.
- Discuss with students short and long range career and educational goals.

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 link to book an appointment with the advisor when needed.
- f. A list of minors and electives being offered.
- g. The system should be able to automatically generate the student's final exam schedule considering the courses taken in that particular semester.
- h. The system should include a step-by-step tutorial for all students to make them familiar with the registration and advising processes.

3. Advising Handbook

- 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. Interactive CDs, DVDs or Minimal PDFs (for newly enrolled students)

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

5. 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.

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 fifteenth 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

Examination Roles and Responsibilities

For an examination that does not involve a course coordinator, the instructor of the course is responsible for all aspects of examination administration. When a course coordinator is involved, the proctor(s), instructor and course coordinator have specific roles and responsibilities regarding examination administration. These roles and responsibilities are as follows:

The course coordinator will:

1. Arrange for proctors and ensure that they are informed about their proctoring schedules and roles (in case of external proctors, the Office of Academic Integrity will carry out this task);
2. arrange for the duplicating of final exams and the delivery of the exam envelopes to proctors one hour before the exam;
3. Plan for backup proctors in case of emergencies; and



4. be available during the exam days to resolve potential issues.

The course instructor/course coordinator will:

1. Be present in the exam room for a minimum period of 30 minutes to answer student questions in the first one hour period of the exam; and
2. Be available in his/her office during the remainder of the exam period.

The proctor will:

1. Ensure physical separation between seats in the exam room to the largest extent possible;
2. Be available in the exam room no later than 20 minutes before the start of the exam;
3. Ensure proper distribution of exam papers at the beginning of the exam and collection of both the exam and answer sheets at the end of the exam;
4. Verify student IDs;
5. Ensure strict compliance to exam timing;
6. Ensure students' compliance with exam rules and regulations;
7. Not allow late students to enter the exam room after 30 minutes from the starting time of the exam;
8. Not allow students to leave the exam room before 40 minutes from the start of the exam;
9. Ensure that the students have access to allowed material only (as specified on the exam);
10. Be fully engaged in proctoring (no distracting activities); and
11. Ensure that students' personal belongings are placed on the floor away from the students, preferably in a designated area of the room;
12. If a violation of academic integrity is detected, the students must be approached and examination papers confiscated only when there is solid and direct evidence proving violations (e.g., seeing students using "cheat sheet," access to concealed materials as such looking at writings written on body parts, etc). In these cases, students should be approached by the only one proctor, and ID as well as the examination papers should be confiscated. The exam Violation Documentation Form should be completed and submitted to OAI. The evidence of violation should be secured in a non-confrontational manner. The roving proctor must be contacted immediately, if the student does not cooperate or does not comply with the instructions of the proctor.

13. The proctor has to enforce the following rules:

- a. students may not talk to each other or ask the proctor about the exam;
- b. students may not exchange any kind of material;
- c. no mobile phones and other communication devices are allowed in the examination room;
- d. students can be escorted to use restroom facilities, when using the facilities is absolutely necessary;
- e. seats must be randomly assigned to students;

14. Publicize the examination rules among the student body ahead of the exam;
15. Notify students that any violation of the exam rules will result in the ejection of the students from the examination room.

Course Related Off-Campus Activities

Interaction with the local and international communities and field trips are key elements of the curriculum at Abu Dhabi University. This interaction takes place in a number of different ways throughout the various academic programs, and may include student visits to local organizations and companies or to environmental and archaeological sites, as well as participation in other organized events. The policies, procedures, and guidelines ensure that these activities are planned and executed to a high standard and that activities are:

1. Relevant to the learning goals of Abu Dhabi University students;
2. Well-planned to maximize students' opportunities for learning. (This includes preparation before the activity and post event reflection);
3. Appropriately arranged and chaperoned, and planned with full consideration of community sensitivities; and
4. Designed to ensure that all members of Abu Dhabi University's community, including students, accept the responsibility to demonstrate a high standard of behavior and uphold all guidelines set out in this catalog.

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 a 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 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 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.

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.







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 designs, organizes, 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 synthesise 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 plagiarising.

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 their credit courses.

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 and a writing exam (TWE® test) to determine their language proficiency. Only IT TOEFL tests taken on the Abu Dhabi University campus will be accepted. A combination of the two scores - 500+ on the Institutional TOEFL and 5+ on the TWE® test - 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, students must communicate with Abu Dhabi University faculty and staff members in English at all times. ELI students will attend the 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 independent learning. Instructors design lessons and activities to cater to students' individual needs



and pace of learning giving them the skills to be independent learners. Therefore, students are expected to work on developing the four language skills (listening, speaking, reading and writing) outside instructional time through:

- Utilizing the Computer Assisted Language Learning (CALL) lab regularly.
- 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.
- Revising their texts, workbooks and class notes independently.

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 UC Courses
IELTS 2	4.5	53 – 60	477-499	UP TO 3 COURSES (ARL 100/105, ISL 100, UNS 100)
IELTS 1	4.0	41 – 52	437-476	UP TO 2 COURSES (ARL 100/105, ISL 100)
GENERAL ENGLISH 2	3.5	19 – 40	347-436	ARL 100 OR ISL 100
GENERAL ENGLISH 1	3.0	18 below	346 below	NONE





THE UNIVERSITY COLLEGE



Introduction

University College (UC) is the initial home of all new students who are entering Abu Dhabi University (ADU). The College delivers the General Education courses at Abu Dhabi University. UC is designed to provide an academic home to new students who are just beginning their Post-Secondary studies. Students are prepared through the General Education, to engage in advanced academic study in the major field of their choice in business, engineering, environmental science or one of the many other career degree choices available at the university.

The General Education is an important part of undergraduate educational experience. General Education enhances student's educational experiences, broadens their knowledge base, promotes their lifelong learning and exposes students to different disciplines. General Education emphasizes critical areas of learning such as: English, Arabic or/and other Languages, Humanities or/and Arts, Mathematics or/and Information Technology, Natural Sciences, and Social or/and Behavioral Sciences. The courses in General Education at University College consist of courses in Arabic and English Language, Mathematics and Science, Humanities and Social Sciences.

Vision

The vision of University College is to be the welcoming academic home of new students that nurtures them and engages them in a positive academic experience in preparation for advanced academic study in the major field of their choice.

Mission

The mission of University College is to help new students have a successful transition from the high school to college life by providing them with the proper academic environment that helps retain and engage them in advanced academic study in the major field of their choice. This mission is achieved via an active General Education curriculum, high quality teaching, academic advising and learning support structures. University College promotes informed and ethical behavior, providing students with a solid foundation to become independent and creative lifelong learners and productive members of the society.



Goals and Learning Outcomes

Goal 1: Effective oral and written communication

Students will acquire effective academic writing, speaking, reading, research and listening skills.

Learning Outcomes

Students will be able to:

- Apply academic and creative writing skills and research techniques to compose a variety of well-organized essays and reports;
- Demonstrate the abilities of effective oral presentation in a variety of communication settings;
- Practice library, web browsing and referencing skills in conducting research; and
- Apply active listening in their personal and professional lives.

Goal 2: Critical thinking, analytical and quantitative reasoning

Students will demonstrate the ability to think critically, logically and apply analytical and quantitative reasoning in a variety of contexts.

Learning Outcomes

Students will be able to:

- Demonstrate logical, mathematical and statistical thinking in dealing with numbers;
- Use scientific approaches for problem solving and for defending/rejecting alternative hypotheses and perspectives;
- Synthesize and evaluate the information presented in a context;
- Critically analyze others' thinking and present their own thoughts in a logical manner; and
- Demonstrate problem-solving and informed decision making skills.

Goal 3: Technology and computer literacy

Students will demonstrate technological and computer competency.

Learning Outcomes

Students will be able to:

- Demonstrate the use of various technologies and software applications such as presentations, databases, spreadsheets, and network virtual drives etc., to improve the quality of their work;

- Apply basic computer skills to identify, retrieve, manage, store, analyze, and communicate ideas and information; and use IT applications in their course work;
- Practice the ethical use of IT in their personal and professional lives.

Goal 4: Local and global awareness

Students will develop an awareness and sensitivity to local and global issues and take informed actions for the betterment of their society and world at large.

Learning Outcomes

Students will be able to:

- Demonstrate knowledge of the current complex social factors associated with the development of the United Arab Emirates as a society rooted in its history, culture and religion, yet open to the challenges and contributions of diverse global society;
- Demonstrate knowledge of the geographic, economic, political, social, religious, and cultural aspects of the Gulf Corporation Council countries in general and the United Arab Emirates in particular;
- Articulate an understanding of the diverse cultures;
- Develop appropriate knowledge, skills, attitude and disposition to take actions;
- Practice moral, social and ethical values in their dealings with different people

Goal 5: Leadership and teamwork

Students will demonstrate qualities of leadership and teamwork.

Learning Outcomes

Students will be able to:

- Cooperate with others, in a cross-cultural environment, to organize and complete projects, make decisions, and practice team dynamics;
- Demonstrate effective interpersonal communication skills;
- Show leadership in their group work in classes;
- Delegate different responsibilities and be accountable. Organization of University College.

Organization of University College

University College is headed by a Dean who is the academic and administrative leader of the academic unit. The Dean supervises the faculty assigned to teach



courses in UC, and is charged with the assignment of the course sections offered by UC both in Abu Dhabi and Al Ain. In addition, the Dean proposes and manages the budget and enrollments for the College in an effective and efficient manner. The Dean of UC works with the Deans of the other academic colleges in facilitating the integration of UC's curriculum with the curricula of the other colleges.

General Education Requirements of University College

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.

University Required Courses

This curriculum is comprised of the following courses:*

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)/(E)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)/(E)	Communication Skills in Arabic II	ARL 100 (A)/(E)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communication	ENG 200	3
ISL 100 (A)/(E)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTG 100**	College Mathematics	No Prerequisite	3
MTT 101**	Mathematics for Science & Technology	MTG 100/Math Placement Test	3
MTT102**	Calculus 1	MTT 101 or Math Placement Test	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	ENG 100 + UNS 100	3
SOC 201	UAE and GCC Society	ENG 100 + UNS 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

* Some CAS, COBA and COE programs do not require all the above General Education Requirements.

** Abu Dhabi University students from COBA & CAS (with the exception of Environmental Science, Public and Health, and Environmental Health and Safety) are required to take MTG 100 (College Mathematics) as a General Education Requirement course. As for COE students (with the exception of Engineering students) and Environmental Science, Public and Health, and Environmental Health and Safety students from CAS, they should take MTT 101 (Mathematics for Science and Technology) as a General Education Requirement course. The Engineering students are required to take MTT 102 (Calculus 1) as a General Education Requirement course.

ARL 100 (E), ARL 105 (E) and ISL 100 (E) for Non-Arabic Speakers

Non-Arabic speaking students may take ARL 100, ARL 105 and ISL 100 in English. These courses are offered based on student enrollment.



University College Courses and ELI courses

Students enrolled in the English Language Institute (ELI) are allowed to take some UC 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 UC courses to be taken	UC permitted courses
IELTS 2	Up to 3 UC courses	ARL 100/105; ISL 100; ITE 100 (max. 9 hours)
IELTS 1	Up to 2 UC courses	ARL 100/105; ISL 100 (max. 6 hours)
GENERAL ENGLISH 2	Up to 1 UC course	ARL 100 or ISL 100 (max. 3 credits)
GENERAL ENGLISH 1	Not allowed	Not allowed

Math Placement Test

The Math Placement Test (MPT) assesses the students' Mathematical knowledge and is designed to select the appropriate math course for students in all majors. On the basis of the results of the MPT, students will be placed in one of three different Math courses: MTG 100; MTT 101 and MTT 102. The test includes pre-algebra questions which is equivalent to MTG 100 and pre-calculus questions which is equivalent to MTT 101. The diagrams that follow show how the MPT is implemented in each college.

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

Important Notes:

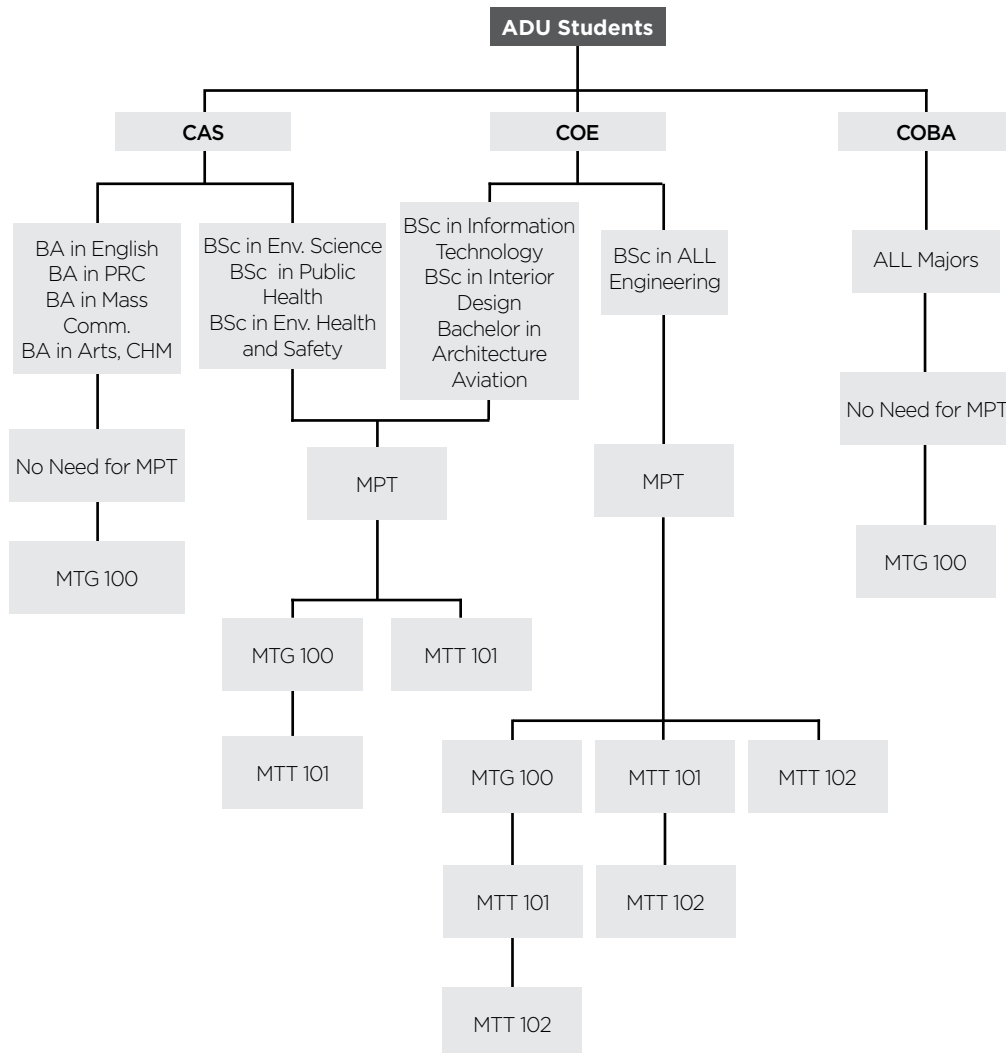
Student will be allowed to take the test only once and therefore they will be identified to which math course they will be placed.

The Math Placement Test is a one-hour test.

Make sure to visit the web-site www.adu.ac.ae under "student services/Math Placement Test" for more information, sample questions, and more resources

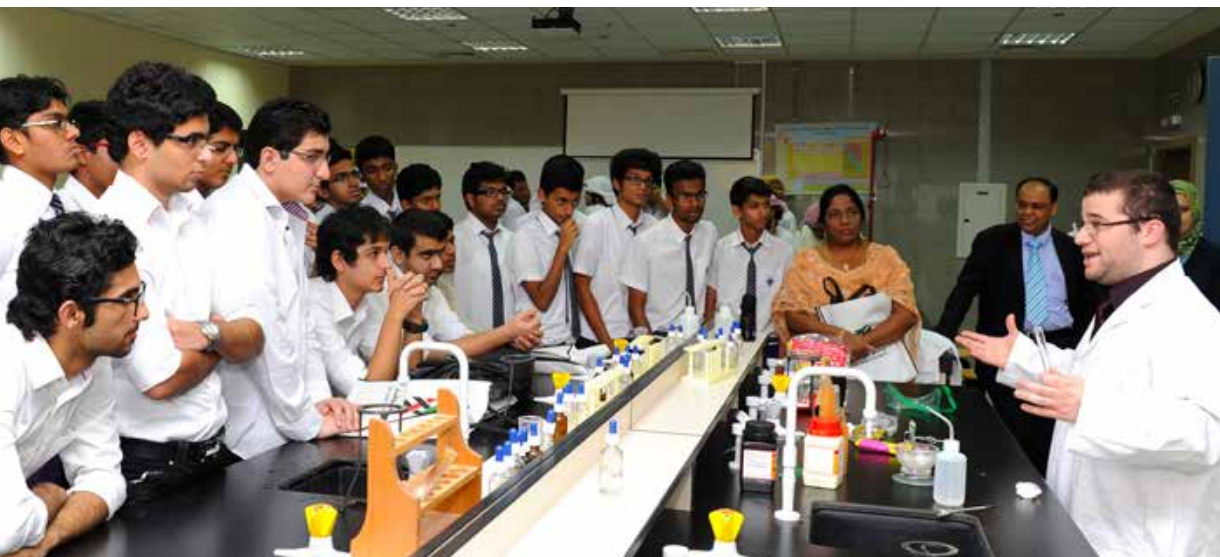


According to the three different colleges (CAS, COE, and COBA), the chart below is designed to sort all majors and their needs for the MPT.





COLLEGE OF ARTS AND SCIENCES



Introduction

The College of Arts and Sciences is one of the four colleges of Abu Dhabi University. The College is equipped with the latest instructional facilities and staffed with high-caliber faculty members. The College offers courses leading to the award of Bachelor of Arts degrees in English, Mass Communication, Persian, Bachelor of Science in Environmental Science and Environmental Health and Safety and Public Health.

College Mission

The mission of the College of Arts and Sciences is to graduate students with the intellectual, academic, and practical skills needed for coping with the challenges of a rapidly changing world, and to contribute to local and international cultures. Through its programs of English, Mass Communication, Persian, Environmental Science, Environmental Health and Safety and Public Health offers academic research, and practical courses that inspire and enhance the research and creative ability of the students. These courses provide students with both the oral and written communication skills, methods of scientific analysis and enquiry, and professional ethics required for their future careers and undertakings. These components form the ethical and moral foundation for understanding,

analyzing and resolving issues. The program also prepares students for lifelong learning as well as for graduate studies 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.

BACHELOR OF ARTS IN ARTS CULTURE AND HERITAGE MANAGEMENT

Program Mission:

The mission of the BA in Arts, Culture and Heritage Management, developed within an international environment facilitated by our association with expertise made available via Edinburgh College of Art, is to

- Educate and form a new generation of Emirati and other Gulf nationals and residents about a wide range of cultural practices including theatre, opera, music, dance, visual arts, design, architectural heritage and media and communications. And
- To prepare UAE residents to manage and strengthen the burgeoning arts infrastructure of the UAE in ways that reflect a consciously Arab and Muslim cultural position that is well informed, critical and conversant with other cultures, making Abu Dhabi and the UAE a confident cultural hub for the Middle East and a confident and articulate partner with other cultures.

The program will be to the benefit of the people of the UAE, the region and also internationally. Abu Dhabi University, which is located just outside Abu Dhabi city, is in an excellent location for this program. Although we have been unable to market test this pioneering program in its embryonic phase, Abu Dhabi University is confident that it can compete for students in the GCC and MENA areas, in South Asia (the Indian sub-continent and Pakistan), in Iran, in nearby Singapore and South East Asia and in Australia and New Zealand.

Career Opportunities

- Direction and management of cultural resources and infrastructure such as museums, galleries, theatres, concert halls, opera houses, libraries and arts centers at both national and community level.
- Project development and management in programming, curating and promoting for cultural centers, festivals, fairs, exhibitions and the cultural aspects that increasingly complement global sporting events.
- Arts and cultural journalism, publishing, advertising and PR.
- Community development opportunities to work with the fostering and support of a range of traditional art practices including indigenous dance, music, poetry, story telling.
- Encouragement and development of traditional Emirati crafts including textiles, dress and body decoration, food and table arts, domestic and material culture.
- Institutes that ensure that Abu Dhabi and the UAE's distinctive contribution.

Curriculum

Total Credit Hours: 120

University Requirements	45 credit hours
Degree Requirements	39 credit hours
Major Requirements	36 credit hours



University Requirement

45 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTG 100	College Mathematics	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3
NSC 201	Natural Sciences	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business Economics	MTG 100 + TOEFL 500	3

Degree Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ASC 301	Research Report Writing	STT 100	3
ACC 200	Principles of Financial Accounting	ENG 200 + MTB 101	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 200	Principles of Management	ENG 200	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTB 101	3
MGT 301	Organizational Behavior	MGT 200 + PSY 201	3
MGT 314	Entrepreneurship Management	MGT 301	3
HRM 313	Human Resource Management	MGT 200 + MGT 301 (Co)	3
MGT 402	International Business Management	MGT 200 + ECO 202	3
MMC 201	Introduction to Mass Communication	ENG 200	3
MAC 201	Intercultural Communication	Pre/Co-Req: SOC 201	3
MAC 316	Communication and Diplomacy	MMC 201	3
MAC 317	Public Speaking	MMC 201	3



Major Requirements

36 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
CHM 200	Definitions of Culture: Creating a personal Aesthetic	Co-requisite ENG 200	3
CHM 202	Cultural Heritage of the Gulf and the Muslim World	CHM 200 + ISL 100	3
CHM 204	Islamic Arts and Material Culture	CHM 200 + ISL 100	3
CHM 206	Contemporary culture: Exploring Identity and the Cultural Industries of the Gulf	SOC 201	3
CHM 208	Introduction to Museum Studies	CHM 200 + ISL 100	3
CHM 300	International Arts and Culture in Galleries and Museums	CHM 208 + MKT 200	3
CHM 301	Dialogues: Faith and Culture in Islamic and Western Societies and Religions	CHM 204	3
CHM 303	Heritage Sites: Management and Interpretation	PSY 201 + MKT 200 + CHM 300	3
CHM 305	Cultural Diversity in the 20 and 21st Centuries	CHM 300	3
CHM 307	Performing Arts, Performers and Audiences	PSY 201 + MGT 200 + MKT 200	3
CHM 400	Making & Performing: The Artist's Work	60 Crhs	3
CHM 499	Cultural Resource Management: Professional Project	80 Chrs + GPA of 2.5	3
CHM 307	Performing Arts I: Opera, Ballet, Drama	CHM 203	3
CHM 308	Contemporary Arts in the UAE: Contextual & Theoretical analysis & Practice	CHM 206 + SOC 201	3
CHM 401	Performing Arts II: Case Study- Diaghilev & the Ballets Russes	CHM 307	3
CHM 402	Making & Performing: The Artist's Work	48 CHM Crhs	3
CHM 499	Cultural Resource Management: Theory & Case Study	80 Chrs + GPA of 2.5	3



Bachelor of Arts in Arts Culture and Heritage Management Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	MTG 100	College Mathematics	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	ARL 105	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	CHM 200	Definitions of Culture: Creating a Personal Aesthetic	3	Co-requisite: ENG 200
	SOC 201	UAE and GCC Society	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business Economics	3	MTG 100 + TOEFL 500
Total Credit Hours			18	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	NSC 201	Natural Sciences	3	No Prerequisite
	MMC 201	Introduction to Mass Communication	3	ENG 200
	ECO 202	Principles of Macroeconomics	3	ENG 200 + MTB 101
	ENG 201	Business and Technical Communications	3	ENG 200
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	CHM 202	Cultural Heritage of the Gulf and the Muslim World	3	CHM 200 + ISL 100
Total Credit Hours			18	
Spring (Semester 4)	ACC 200	Principles of Financial Accounting	3	ENG 200 + MTB 101
	MKT 200	Principles of Marketing	3	ENG 200
	MGT 200	Principles of Management	3	ENG 200
	CHM 204	Islamic Arts and Material Culture	3	CHM 200 + ISL 100
	CHM 206	Contemporary culture: Exploring Identity and the Cultural Industries of the Gulf	3	SOC 201
	CHM 208	Introduction to Museum Studies	3	CHM 200 + ISL 100
Total Credit Hours			18	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	ASC 301	Research Report Writing	3	STT 100
	CHM 300	International arts and culture in galleries and museums	3	CHM 208 + MKT 200
	CHM 301	Dialogues: Faith and Culture in Islamic and Western Societies and Religions	3	CHM 204
	MAC 201	Intercultural Communication	3	Pre/Co-req SOC 201
	MGT 301	Organizational Behavior	3	MGT 200 + PSY 201
Total Credit Hours			15	
Spring (Semester 6)	CHM 303	Heritage Sites: Management and Interpretation	3	PSY 201 + MKT 200 + CHM 300
	CHM 305	Cultural diversity in the 20 and 21st centuries	3	CHM 300
	CHM 307	Performing Arts, Performers and Audiences	3	PSY 201 + MGT 200 + MKT 200
	HRM 313	Human Resource Management	3	MGT 200 + MGT 301 Co
	MAC 316	Communication and Diplomacy	3	MMC 201
Total Credit Hours			15	
Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	MGT402	International Business Management	3	MGT 200 + ECO 202
	PHI 300	Professional Ethics	3	ENG 200
	CHM 400	Making & Performing: the Artist's Work	3	60 Chrs
Total Credit Hours			9	
Spring (Semester 8)	MAC 317	Public Speaking	3	MMC 201
	MGT 314	Entrepreneurship Management	3	MGT 301
	CHM 499	Cultural Resource Management: Professional Project	3	80 crhs + GPA of 2.5
Total Credit Hours			9	



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:

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

Curriculum

Total Credit Hours: 120

University Requirements	33 credit hours
College Requirements	24 credit hours
Major Requirements	36 credit hours
Major Electives	18 credit hours
Open Electives	9 credit hours



University Requirements

33 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I (A)	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II (A)	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ISL 100 (A)	Islamic Culture (A)	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

24 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 302	Contrastive Analysis of Arabic and English	ENG 303 + ENG 307	3
ENG 303	Introduction to the Study of Language	ENG 206	3
ENG 305	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

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
Compulsory Courses		30 Credit Hours	
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

12 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



Practicum Option

9 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	PSY 201	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 (Semester 1)	ENG 100	English I	3	No Prerequisite
	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	NSC 201	Natural Sciences	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ARL 105 (A)	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 204	Situational Conversation	3	ENG 200
	ENG 205	Critical Reading Skills		ENG 200
	ENG 206	English Grammar	3	ENG 200
	PHI 300	Professional Ethics	3	ENG 200
	OE1	Open Elective I	3	-
Total Credit Hours			15	
Spring (Semester 4)	ENG 209	Writing 1	3	ENG 200
	ENG 303	Introduction to the Study of Language	3	ENG 206
	ENG 307	English Phonetics and Phonology	3	ENG 204
	ENG 310	Debate and Discussion	3	ENG 204
	OE2	Open Elective II	3	-
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	ENG 305	Writing II	3	ENG 209
	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
	OE3	Open Elective III	3	-
Total Credit Hours			15	
Spring (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 (Semester 7)	ENG 401	Discourse Analysis	3	ENG 303
	LIT 406	Survey of British Literature	3	LIT 301
	TFL 401	Methods of Teaching 2	3	TFL 304
	TRA 304	Issues in Translating Arabic Texts	3	TRA 301
	TFL 306	Curriculum and Material Development	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 8)	LIT 408	Survey of American Literature	3	LIT 301
	TRA 307	Media Translation	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 (Semester 1)	ENG 100	English I	3	No Prerequisite
	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	NSC 201	Natural Sciences	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ARL 105 (A)	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 204	Situational Conversation	3	ENG 200
	ENG 205	Critical Reading Skills		ENG 200
	ENG 206	English Grammar	3	ENG 200
	PHI 300	Professional Ethics	3	ENG 200
	OE1	Open Elective I	3	-
Total Credit Hours			15	
Spring (Semester 4)	ENG 209	English Composition 1	3	ENG 200
	ENG 303	Introduction to the Study of Language	3	ENG 206
	ENG 307	English Phonetics and Phonology	3	ENG 204
	ENG 310	Debate and Discussion	3	ENG 204
	OE2	Open Elective II	3	-
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	ENG 305	Writing II	3	ENG 209
	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
	OE3	Open Elective III	3	-
Total Credit Hours			15	
Spring (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 (Semester 7)	ENG 401	Discourse Analysis	3	ENG 303
	LIT 406	Survey of British Literature	3	LIT 301
	TFL 401	Methods of Teaching 2	3	TFL 304
	TRA 304	Issues in Translating Arabic Texts	3	TRA 301
	TFL 306	Curriculum and Material Development	3	No Prerequisite
	ME 3	Major Elective III	3	-
Total Credit Hours			18	
Spring (Semester 8)	LIT 408	Survey of American Literature	3	LIT 301
	TRA 307	Media Translation	3	TRA 301
	ENG 399-PR	Practicum in English	6	108 credit hours
Total Credit Hours			12	



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;
- j. 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' perfection as problem-solvers, effective communicators, and contributors to society.



Curriculum

Total Credit Hours: 120

University Requirements	39 credit hours
Program Core Requirements	42 credit hours
Degree Concentration	21 credit hours
Major Electives	6 credit hours
Open Electives	12 credit hours

University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
MTG 100	College Mathematics	No Prerequisite	3
STT 100	General Statistics	TOEFL 500	3
ISL 100	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
UNS 100	University Study Skills	UNS 100 + ENG 100	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
SOC 201	UAE and GCC Society	No Prerequisite	3



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	ENG 200 (Co)	3
MMC 203	Writing for Mass Media	MMC 201	3
MAC 201	Intercultural Communication	ENG 200	3
MAC 205	Theories of Mass Communication	MMC 201	3
MAC 300	Media Research Methods	MAC 205	3
MAC 302	Quantitative Data Analysis	MAC 300 (Co)	3
MAC 310	Mass Media Ethics and Responsibilities	MAC 205 (Co)	3
MAC 317	Public Speaking	MMC 201	3
MAC 400	Current Media Issues in GCC	MAC 205	3
MAC 490	Senior Design Project (Capstone Course)	80 Credit Hours	3
MAC 499	Internship	MMC 490	6

Major Electives

6 credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MAC 202	Translation for Communication	ARL 105	3
MAC 206	Introduction to Journalism	MMC 201	3
MAC 401	Media and Society	MAC 310	3
MAC 402	Media Criticism	MAC 310	3
MAC 403	International Communication	MAC 201	3
MAC 412	Media Management	MAC 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



Degree Concentrations

21 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
Broadcast Journalism Core Requirements			
MAC 305	TV News Shooting and Production	MMC 203	3
MAC 307	TV News Editing	MMC 203	3
MAC 409	Advanced Multi Media Journalism	MAC 410 (Co)	3
MAC 311	Broadcast News Reporting	MMC 312	3
MAC 312	Broadcast News Writing	MAC 203	3
MAC 318	TV News Programming	MMC 201 + MAC 305	3
MAC 410	Web Publications and Design	MAC 409 (Co)	3
Print Journalism Core Requirements			
MAC 304	News Writing	MMC 203	3
MAC 308	Photojournalism	MMC 203	3
MAC 309	Magazine and Feature Writing	MMC 203 + MAC 304 (Co)	3
MAC 320	News Reporting	MAC 304	3
MAC 321	Layout and Design	ITE 100	3
MAC 322	Online Reporting	MAC 304	3
MAC 410	Web and Publications Design	MAC 409 (Co)	3
Strategic Communication Core Requirements			
MAC 303	Organizational Communication	ENG 200	3
MAC 313	Principles of Strategic Public Relations	ENG 200	3
MAC 314	Communication Strategies in Advertising	ENG 200	3
MAC 315	Writing for PR	MMC 203	3
MAC 316	Communication and Diplomacy	MMC 201	3
MAC 407	Integrated Communication Campaign	MAC 315 + MAC 314	3
MAC 411	PR Case Studies	MAC 313	3



Bachelor of Arts in Mass Communication Study Plans

Broadcast Journalism Concentration

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ARL 105	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	MAC 201	Intercultural Communication	3	ENG 200
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Technical Communication	3	ENG 200
	MKT 200	Principles of Marketing	3	ENG 200
	MMC 201	Introduction to Mass Communication	3	ENG 200
	PHI 300	Professional Ethics	3	ENG 200
	MTG 100	College Mathematics	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 4)	STT 100	General Statistics	3	No Prerequisite
	MAC 205	Theories of Mass Communication	3	MMC 201
	MAC 310	Mass Media Ethics and Responsibilities	3	MAC 205 (Co)
	MAC 317	Public Speaking	3	MMC 201
	MMC 203	Writing for Mass Media	3	MMC 201
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	MAC 300	Media Research Methods	3	MAC 205
	MAC 302	Quantitative Data Analysis	3	MAC 300 (Co)
	MAC 305	TV News Shooting and Production	3	MMC 203
	MAC 307	TV News Editing	3	MMC 203
	MAC 312	Broadcast News Writing	3	MMC 203
Total Credit Hours			15	
Spring (Semester 6)	ASC 301	Research Report Writing	3	STT 100
	MAC 311	Broadcast News Reporting	3	MMC 312
	MAC 318	TV News Programming	3	MMC 201 + MAC 305
	OE 1	Open Elective I	3	-
	OE 2	Open Elective II	3	-
Total Credit Hours			15	
Summer Semester	MAC 490	Senior Design Project	3	80 Credit Hours
Total Credit Hours			3	
Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	MAC 400	Current Media Issues in GCC	3	MAC 205
	MAC 409	Advanced Multi Media Journalism	3	MAC 410 (Co)
	MAC 410	Web Publications and Design	3	MAC 409 (Co)
	OE 3	Open Elective II	3	-
	ME 1	Major Elective I	3	-
Total Credit Hours			15	
Spring (Semester 8)	OE 4	Open Elective IV	3	-
	ME 2	Major Elective II	3	-
	MAC 499	Internship	6	100 Credit Hours + MMC 490
Total Credit Hours			12	



Print Journalism Concentration

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ARL 105	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	MAC 201	Intercultural Communication	3	ENG 200
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Technical Communication	3	ENG 200
	MKT 200	Principles of Marketing	3	ENG 200
	MMC 201	Introduction to Mass Communication	3	ENG 200
	PHI 300	Professional Ethics	3	ENG 200
	MTG 100	College Mathematics	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 4)	STT 100	General Statistics	3	No Prerequisite
	MAC 205	Theories of Mass Communication	3	MMC 201
	MAC 310	Mass Media Ethics and Responsibilities	3	MAC 205 (Co)
	MAC 317	Public Speaking	3	MMC 201
	MMC 203	Writing for Mass Media	3	MMC 201
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	MAC 300	Media Research Methods	3	MAC 205
	MAC 302	Quantitative Data Analysis	3	MAC 300 (Co)
	MAC 304	News Writing	3	MMC 203
	MAC 308	Photojournalism	3	MMC 203
	MAC 309	Magazine and Feature Writing	3	MMC 203 + MAC 304 (Co)
Total Credit Hours			15	
Spring (Semester 6)	ASC 301	Research Report Writing	3	STT 100
	MAC 320	News Reporting	3	MAC 304
	MAC 321	Layout and Design	3	ITE 100
	MAC 322	Online Reporting	3	MAC 304
	ME 1	Major Elective I	3	-
Total Credit Hours			15	
Summer Semester	MAC 490	Senior Design Project	3	80 Credit Hours
Total Credit Hours			3	
Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	MAC 400	Current Media Issues in GCC	3	MAC 205
	MAC 410	Web Publications and Design	3	MAC 409 (Co)
	OE 1	Open Elective I	3	-
	OE 2	Open Elective II	3	-
	ME 2	Major Elective II	3	-
Total Credit Hours			15	
Spring (Semester 8)	OE 3	Open Elective II	3	-
	OE 4	Open Elective IV	3	-
	MAC 499	Internship	6	100 Credit Hours + MMC 490
Total Credit Hours			12	



Strategic Communication Concentration

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ISL 100	Islamic Culture	3	No Prerequisite
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ARL 105	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	MAC 201	Intercultural Communication	3	ENG 200
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Technical Communication	3	ENG 200
	MKT 200	Principles of Marketing	3	ENG 200
	MMC 201	Introduction to Mass Communication	3	ENG 200
	PHI 300	Professional Ethics	3	ENG 200
	MTG 100	College Mathematics	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 4)	STT 100	General Statistics	3	No Prerequisite
	MAC 205	Theories of Mass Communication	3	MMC 201
	MAC 310	Mass Media Ethics and Responsibilities	3	MAC 205 (Co)
	MAC 317	Public Speaking	3	MMC 201
	MMC 203	Writing for Mass Media	3	MMC 201
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	MAC 300	Media Research Methods	3	MAC 205
	MAC 302	Quantitative Data Analysis	3	MAC 300 (Co)
	MAC 303	Organization Communication	3	ENG 200
	MAC 313	Principles of Strategic Public Relations	3	ENG 200
	MAC 314	Communication Strategies in Advertising	3	ENG 200
Total Credit Hours			15	
Spring (Semester 6)	ASC 301	Research Report Writing	3	STT 100
	MAC 315	Writing for PR	3	MMC 203
	MAC 316	Communication and Diplomacy	3	MMC 201
	OE 1	Open Elective	3	-
	ME 1	Major Elective I	3	-
Total Credit Hours			15	
Summer Semester	MAC 490	Senior Design Project	3	80 Credit Hours
Total Credit Hours			3	
Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	MAC 400	Current Media Issues in GCC	3	MAC 205
	MAC 407	Integrated Communication Campaign	3	MAC 315 + MAC 314
	MAC 411	PR Case Studies	3	MAC 313
	OE 2	Open Elective II	3	-
	ME 2	Major Elective II	3	-
Total Credit Hours			15	
Spring (Semester 8)	OE 3	Open Elective III	3	-
	OE 4	Open Elective IV	3	-
	MAC 499	Internship	6	100 Credit Hours + MMC 490
Total Credit Hours			12	



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

University Requirements	42 credit hours
Compulsory Courses	84 credit hours
Open Electives	6 credit hours

University Requirement

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
100 غ ج	Communication Skills in Arabic I	No Prerequisite	3
105 غ ج	Communication Skills in Arabic II	100 غ ج	3
100 ج ج	English I	Pass the placement test	3
105 ج ج	English II	100 ج ج	3
110 ج ج	English Skills III	105 ج ج	3
100 ث س	Islamic Culture	No Prerequisite	3
100 ح م	Introduction to Information Technology	No Prerequisite	3
100 د م	Principles of Mathematics	No Prerequisite	3
100 ط ع	Natural Sciences	No Prerequisite	3
100 م خ	Professional Ethics	No Prerequisite	3
100 ن ع	General Psychology	No Prerequisite	3
100 ! م	UAE and GCC Society	No Prerequisite	3
100 ع ح	General Statistics	No Prerequisite	3
100 ح د م	University Study Skills	No Prerequisite	3



Compulsory Courses

84 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
200 ق ل ف	Persian Grammar	No Prerequisite	3
200 ت ا ح	Iran's history and civilization	No Prerequisite	3
200 م ا	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 ت خ	Discourse Analysis	105 ل غ	3
220 ل ت	Linguistic analysis	210 د م	3
220 ث ل ف	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 ت م	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 ت ن ج	Translation of social and economic texts	300 ع غ ق + 220 ت م	3
310 ت ن ع	Translation of military and strategic texts	220 ع غ ق + 300 ت م	3
310 ش ف	Persian poetry (History and verses)	210 ق ل ف + 200 س م	3
310 ق م	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 ث ل ف	3
320 ن ف س	Persian texts in the political thought of Iran	220 ث ل ف	3
400 د ق	Comparative Literature	310 ق م + 310 ش ف	3
400 ت ن م	Translation of oral texts	300 ع غ ق + 220 ت م + 220 س م	3
400 ت ت	Simultaneous interpretation	400 ت ن م	3
400 ت ف	Spontaneous interpretation	400 ت ت	3
400 ت ح ع	Translation and analysis of Persian media discourse	310 ت ن ع + 220 ث ل ف + 220 ت خ + 400 ت ن م + 310 ت ن ج	3
400 ت ح س	Translation and analysis of Persian political discourse	310 ت ن ج + 310 ت ن ع + 220 ت خ + 320 ن ف س + 400 ت ن م	3
400 ت م	Graduation Project	108 Credit Hours	3



Elective Courses

6 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
200 ع ا	Arab-Iranian relations	-	3
400 و ف	Persian Documents on foreign policy of Iran	320 ن ف س	3
400 ف س	Principles of al-Faqih political mandate	320 ن ف س	3
210 ب ع	Arabic Rhetoric	105 ل غ	3
220 ش ع	Modern Arabic Poetry	105 ل غ	3
220 ا ن	Literary Criticism	105 ل غ	3

Bachelor of Arts in Persian Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	100 ح م	Introduction to Information Technology	3	-
	100 ل غ	Communication Skills in Arabic 1	3	-
	100 ا م	UAE and GCC Society	3	-
	100 ل چ	English Skills 1	3	Pass the placement test
	200 ق ل ف	Persian Grammar	3	-
	100 م ر	Principles of Mathematics	3	-
Total Credit Hours			18	
Spring (Semester 2)	100 ع ن	General Psychology	3	-
	105 ل چ	English Skills 2	3	100 ل چ
	200 ا ح	Iran's history and civilization	3	-
	210 د م	Lexicography and semantics in Persian	3	200 ق ل ف
	100 ع ط	Natural Sciences	3	-
	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 (Semester 3)	110 ل ج	English Skills 3	3	105 ل ج
	200 ا م	Iranian society	3	-
	200 س م	Listening and Speaking 1	3	200 ق ل ف
	220 ت ل	Linguistic analysis	3	210 د م
	220 ث ل ف	The Persian Language culture	3	210 د م
	220 م ت	Introduction to translation	3	210 د م
Total Credit Hours			18	
Spring (Semester 4)	100 ث س	Islamic Culture	3	-
	100 م د ج	University Study Skills	3	-
	100 ع ج	General Statistics	3	-
	100 م غ	Professional Ethics	3	-
	210 س م	Listening and Speaking 2	3	200 س م
	300 غ ق	Contrastive linguistics	3	200 ق ل ف + 105 ل ج
Total Credit Hours			18	
Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	220 س ف ح	Modern Persian Styles 1	3	210 س م
	220 س م	Listening and Speaking 3	3	210 س م
	310 ت د ج	Translation of social and economic texts	3	300 م ت ع غ / 220 م ت
	310 ت د ع	Translation of military and strategic texts	3	220 م ت + 300 غ ق
		Course Elective I	3	-
Total Credit Hours			15	
Spring (Semester 6)	220 ت خ	Discourse Analysis	3	105 ل ج
	400 ن ف س	Persian texts in the political system of Iran	3	220 ث ل ف
	400 ت ن م	Translation of audio texts	3	220 م ت + 220 س م 300 غ ق
	300 س ف ح	Modern Persian Styles 2	3	220 س م
	310 ش ف	Persian poetry (History and verses)	3	210 ق ل ف + 200 س م
Total Credit Hours			15	



Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	س ف ج 310	Modern Persian Styles 3	3	س ف ج 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 ج 220
	ت ح ع 400	Translation and analysis of Persian media discourse	3	ت خ 220 + ث ل ف 220 ت ن ع 310 + ت ن م 400 + ت ن م 400
Total Credit Hours			15	
Spring (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 ت ن م 400 + ت ن م 310 ن ف س 320
	م ت 400	Graduation Project	3	108 Credit Hours
		Course Elective II	3	
Total Credit Hours			15	



BACHELOR OF SCIENCE IN ENVIRONMENTAL HEALTH AND SAFETY



Program Mission

The Environmental Health and Safety Program's mission is to produce scientists with knowledge of environmental health and safety issues, who are able to apply their learned skills in careers that benefit the health and safety of the people of the UAE and the world.

Program Objectives

The goal of the Environmental Health and Safety program is 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. Graduates will have qualities of confidence, independent critical judgment, reflection, leadership and the ability to work as part of a team. Additionally students will acquire in depth knowledge and develop skills associated with certain core Environmental Health themes.

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 multidisciplinary 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, and the water we drink, are some of the environmental factors that affect our health. To ensure our air, soil, food, and water are safe, we rely daily on Environmental Health Practitioners. Abu Dhabi University's new Environmental Health and Safety Program will prepare students for careers as Environmental Health Practitioners in both the private and public sectors. Students will graduate with the knowledge and abilities necessary to understand, analyze, and solve environmental health and safety problems in the UAE and the gulf region, as well as develop a firm understanding of the connection between environmental factors and human health.

The BS in Environmental Health and Safety is designed for those who wish to go into careers as Environmental Health Practitioners, and who want to become highly qualified professionals who make a real difference to people's health and well-being. This program is ideal for students with an interest in the connection between human health and the environment, and who want to help build and maintain a safer, healthier environment in the UAE.

Six different degree concentrations (learning paths) have been developed to assist students in program planning. The degree concentrations include:

1. Pollution monitoring and control.
2. Community and urban planning.
3. Food safety and inspection.
4. Policy planning and implementation.
5. Project assessment and management.
6. Industrial and occupational health and safety.

For each of these degree concentrations the students must take 3 required electives.

Curriculum

Total Credit Hours: 130

University Requirements	39 credit hours
College Requirements	3 credit hours
Major Requirements	76 credit hours
Open Electives	12 credit hours



University Requirement

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

3 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ASC 301	Research Report Writing	STT 100	3

Note: (Co) = this course can be taken as a co-requisite

Major Requirements

76 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
Compulsory Course			
BIO 205	General Biology I	ENG 100 (Co) + UNS 100 (Co)	3
BIO 205 L	General Biology Laboratory I	BIO 205 (Co)	1
CHE 205	General Chemistry I	ENG 100 (Co) + UNS 100 (Co)	3
CHE 205 L	General Chemistry Laboratory I	CHE 205 (Co)	1
EHS 205	Introduction to Environmental Health & Safety	ENG 100 (Co) + UNS 100 (Co)	3
EHS 300	Housing & Sustainable Communities	EHS 205 + ENS 205	3
EHS 305	Occupational Health & Safety	EHS 205 + ENS 205	3
EHS 310	Food Safety & Management	EHS 205 + ENS 205	3



EHS 315	Global Issues in Environmental Health	EHS 205 + ENS 205	3
EHS 399	Internship	90 Credit Hours	6
EHS 400	Toxicology	EHS 205 + ENS 205	3
EHS 405	Waste Management	EHS 205 + 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 + ENS 205	3
EHS 425	Pollution Monitoring & Control	EHS 205 + ENS 205	3
EHS 425 L	Pollution Monitoring & Control Lab	EHS 205 + ENS 205 + EHS 425 (Co)	1
EHS 430	Health Risk Management	EHS 205 + ENS 205	3
ENS 205	Introduction to Environmental Science	ENG 200 + UNS 100	3
ENS 210	Natural Resources Conservation	ENS 205	3
ENS 220	Environmental Policy	ENS 205	3
ENS 499	Undergraduate Research	ENS 205 + CHE 206 + BIO 206	4
HSC 200	Introduction to Health Management	ENG 200 + UNS 100	3
HSC 205	Statistics for Population Health	STT 100	3
HSC 210	Epidemiology & Population Health	GBH 200 + HSC 205	3
PBH 200	Biological Determinants of Public Health	ENG 100 + BIO 205	3

Elective Courses

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



Bachelor of Science in Environmental Health and Safety Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
	UNS 100	University Study Skills	3	No Prerequisite
	CHE 205*	General Chemistry I	3	ENG 100 (Co) + UNS 100 (Co)
	CHE 205 L*	General Chemistry Laboratory I	1	CHE 205 (Co)
	BIO 205*	General Biology I	3	ENG 100 (Co) + UNS 100 (Co)
	BIO 205 L	General Biology Laboratory I	1	BIO 205 (Co)
Total Credit Hours			16	
*A student may take either CHE 205 + CHE 205 L or BIO 205 + BIO 205 L in 1st or 2nd year				
Spring (Semester 2)	ARL 105 (A)	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
	EHS 205	Intro to Environmental Health & Safety	3	ENG 100 + UNS 100
Total Credit Hours			15	



Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	PBH 200	Biological Determinants of Public Health	3	ENG 100 + BIO 205
	ENS 205	Introduction to Environmental Science	3	ENG 200 + UNS 100
	CHE 205*	General Chemistry I	3	ENG 100 (Co) + UNS 100 (Co)
	CHE 205 L*	General Chemistry Laboratory I	1	CHE 205 (Co)
	BIO 205*	General Biology I	3	ENG 100 (Co) + UNS 100 (Co)
	BIO 205 L*	General Biology Laboratory I	1	BIO 205 (Co)
Total Credit Hours			16	
*A student may take either CHE 205 + CHE 205 L or BIO 205 + BIO 205 L 1st or 2nd year				
Spring (Semester 4)	PSY 201	General Psychology	3	UNS 100 + ENG 100
	ENS 220	Environmental Policy	3	ENS 205
	HSC 205	Statistics for Population Health	3	STT 100
	SOC 201	UAE and GCC	3	No Prerequisite
	HSC 200	Intro to Health Management	3	ENG 100 + UNS 100
Total Credit Hours			15	
Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	PHI 300	Professional Ethics	3	ENG 100
	EHS 310	Food Safety & Management	3	ENS 205 + EHS 205
	ASC 301	Research Report Writing	3	STT 100
	EHS 305	Occupational Health & Safety	3	ENS 205 + EHS 205
	OE1	Open Elective I	3	-
Total Credit Hours			15	
Spring (Semester 6)	EHS 315	Global Issues in Environmental Health	3	ENS 205 + EHS 205
	EHS 300	Housing & Sustainable Communities	3	ENS 205 + EHS 205
	EHS 405	Waste Management	3	ENS 205 + EHS 205
	ENS 210	Natural Resources Conservation	3	ENS 205
	OE2	Open Elective II	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 (Semester 7)	EHS 420	Hazardous Materials	3	ENS 205 + EHS 205
	ENS 499	Undergraduate Research	4	ENS 205 + EHS 205 + 60 Crhs
	EHS 415	Environmental Health Regulation & Compliance	3	ENS 205 + EHS 205
	HSC 210	Epidemiology & Population Health	3	PBH 205 + HSC 205
	OE3	Open Elective III	3	-
Total Credit Hours			16	
Spring (Semester 8)	EHS 400	Toxicology	3	EHS 205 + one of ENS 205 or CHE 305
	EHS 425	Pollution Monitoring & Control	3	ENS 205 + EHS 205
	EHS 425 L	Methods and Sampling Lab	1	ENS 205 + EHS 205
	EHS 410	Impact Assessment	3	ENS 205 + EHS 205
	EHS 430	Health Risk Management	3	ENS 205 + EHS 205
	OE4	Open Elective IV	3	-
Total Credit Hours			16	

BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE



Programs Mission

The mission of the Environmental Science Program is to produce scientists with the knowledge in environmental issues, especially pertaining to marine life and coastal issues, who are able to apply their learned skills in careers that benefit the environment of the UAE and the world. The program aims to graduate students able to demonstrate their acquired knowledge, skills and scientific techniques in order to become contributing scientists in the environmental field and profession.

Program Goals

1. Students who can achieve academic and intellectual leadership in the area of environmental issues;
2. Students who can identify analyze and understand the relationships between the many aspects of environmental issues;
3. Students who can take ethical, professional, and socially responsible actions in the area of environmental science;
4. Students who have the skills and techniques required for a profession in environmental science;
5. Students who have the overall understanding of the field of environmental science within their region necessary to meet the future needs of the region; and
6. Students who are competent in making decisions either individually or with a group on environmental issues.

Program Learning Outcomes

The learning outcomes of the BS in ENS at Abu Dhabi University are to produce graduates able to:

1. Describe the essential processes of the ecological systems in the world in terms of chemical, biological and physical processes;
2. Assess the economic and social implications of environmental issues. The assessment should take into account the effects of environmental policy and be aware of the many facets of sustainability of these issues, actions and consequences;
3. Analyze, understand and predict the consequences of human actions on the physical, biological and cultural world, and use this information to be able to specify requirements needed to achieve environmental conservation for a sustainable society;
4. Develop action plans needed to follow the requirements for environmental conservation for a sustainable society;
5. Write, speak and use electronic communication to skillfully communicate with the public and professionals concerning environmental issues;
6. Use critical thinking methods, including logic, discrimination and deliberate evaluation when making decisions and value judgments on environmental issues; and
7. Exhibit teamwork, leadership and conflict resolution skills when working with groups on environmental issues.



Curriculum

Total Credit Hours: 128

University Requirements	39 credit hours
College Requirements	18 credit hours
Major Requirements	58 credit hours
Open Electives	12 credit hours

University Requirement

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

19 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ASC 301	Research Report Writing	STT 100	3
BOT 300	Plant Materials I	BIO 206/CIV 203	3
CIV 203	Introduction to Soil Sciences	GOL 205/LAR 200	3
GOL 205	Physical Geology	ENG 200	3
MTT 102	Calculus I	MTT 101	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Lab	MTT 102 + PHY 102 (Co)	1



Major Requirements

70 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
Compulsory Courses		58 Credit Credits	
BIO 205	General Biology I	ENG 100 (Co) + UNS 100 (Co)	3
BIO 205 L	General Biology Laboratory I	BIO 205 (Co)	1
BIO 206	General Biology II	BIO 205	3
BIO 206 L	General Biology Laboratory II	BIO 205 L + BIO 206 (Co)	1
BIO 215	Biometrics	BIO 205 + STT 100	3
BIO 305	Genetics	BIO 206	3
BIO 405	Microbiology	BIO 206	3
CHE 205	General Chemistry I	ENG 100 (Co) + UNS 100 (Co)	3
CHE 205 L	General Chemistry Laboratory I	CHE 205 (Co)	1
CHE 206	General Chemistry II	CHE 205	3
CHE 206 L	General Chemistry Laboratory II	CHE 205 L + CHE 206 (Co)	1
CHE 305	Organic Chemistry	CHE 206	4
CHE 405	Biochemistry	CHE 305	3
ENS 205	Introduction to Environmental Science	ENG 200 + UNS 100	3
ENS 210	Natural Resources Conservation	ENS 205	3
ENS 215	Oceanography	ENS 205	3
ENS 220	Environmental Policy	ENS 205	3
ENS 299	Environmental Seminar	ENS 205	1
ENS 310	Global Environment	ENS 205	3
ENS 315	Environmental Problems	ENS 205 + BIO 215	3
ENS 499	Undergraduate Research	ENS 205 + CHE 206 + BIO 206	4
GEO 205	Geography	ENG 200 (Co) + UNS 100 (Co)	3



Elective Courses

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

Marine Biology

Course Code	Course Title	Prerequisite(s)	Credit Hours
ENS 305	Marine Zoology	ENS 215	3
ENS 306	Marine Biology	ENS 215 + BOT 300	3
ENS 405	Marine Fisheries	ENS 215	3
OE4	Open Elective IV	-	3

Chemistry

Course Code	Course Title	Prerequisite(s)	Credit Hours
CHE 415	Analytical Chemistry	CHE 206	3
CHE 425	Environmental Chemistry	CHE 305	3
OE3	Open Elective III	-	3
OE4	Open Elective IV	-	3

Biology

Course Code	Course Title	Prerequisite(s)	Credit Hours
BIO 405	Microbiology	BIO 206	3
BIO 415	Advanced Genetics	BIO 305	3
OE3	Open Elective III	-	3
OE4	Open Elective IV	-	3

Management

Course Code	Course Title	Prerequisite(s)	Credit Hours
BUS 306	Introduction to Management	STT 100	3
MGT 200	Principles of Management	ENG 200	3
MGT 411	Project Management	BUS 306	3
OE4	Open Elective IV	-	3



Natural Resources			
Course Code	Course Title	Pre requisite (s)	Credit Hours
ENS 350	Wetlands	ENS 205	3
ENS 420	Desert Studies	ENS 205	3
ENS 450	Water Resources	ENS 205	3
OE4	Open Elective IV	-	3

Applied Ecology			
Course Code	Course Title	Pre requisite (s)	Credit Hours
ENS 410	Impact Assessment	ENS 205	3
LAR 401	Natural Environmental Design Studio III	LAR 302	3
LAR 410	Landscape Ecology	LAR 302	3
OE4	Open Elective IV	-	3

Engineering			
Course Code	Course Title	Pre requisite (s)	Credit Hours
CIV 301	Civil Engineering Measurements and Surveying	No Prerequisite	3
CIV 315	Fundamentals of Geographical Information Systems	CIV 301	3
CIV 340	Fundamentals of Environmental Engineering	CHE 201	3
OE4	Open Elective IV	-	3



Bachelor of Science in Environmental Science Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
	UNS 100	University Study Skills	3	No Prerequisite
	CHE 205	General Chemistry I	3	ENG 100 (Co) + UNS 100 (Co)
	CHE 205 L	General Chemistry Laboratory I	1	CHE 205 (Co)
	BIO 205	General Biology I	3	ENG 100 (Co) + UNS 100 (Co)
	BIO 205 L	General Biology Laboratory I	1	BIO 205 (Co)
Total Credit Hours			16	
Spring (Semester 2)	ARL 105 (A)	Communication Skills in Arabic II	3	ARL 100 (A)
	ENG 200	English II	3	ENG 100 + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
	CHE 205	General Chemistry I	3	ENG 100 (Co) + UNS 100 (Co)
	CHE 205 L	General Chemistry Laboratory I	1	CHE 205 (Co)
	BIO 206	General Biology II	3	BIO 205
	BIO 206 L	General Biology Laboratory II	1	BIO 205 L + BIO 206 (Co)
Total Credit Hours			16	

NOTE: A student may take either CHE 205 + CHE 205 L or BIO 205 + BIO 205 L



Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	GOL 205	Physical Geology	3	ENG 200
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTT 102	Calculus I	3	MTT 101
	CHE 205	General Chemistry I	3	ENG 100 (Co) + UNS 100 (Co)
	CHE 205 L	General Chemistry Laboratory I	1	CHE 205 (Co)
	BIO 205	General Biology I	3	ENG 100 (Co) + UNS 100 (Co)
	BIO 205 L	General Biology Laboratory I	1	BIO 205 (Co)
Total Credit Hours			16	
Spring (Semester 4)	ENS 205	Introduction to Environmental Science	3	ENG 200 + UNS 100
	GEO 205	Geography	3	ENG 200 (Co) + UNS 100 (Co)
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Lab	3	MTT 102 + PHY 102 (Co)
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	CHE 206	General Chemistry II	3	CHE 205
	CHE 206 L	General Chemistry Laboratory II	1	CHE 205 L + CHE 206 (Co)
	BIO 205	General Biology I	3	ENG 100 (Co) + UNS 100 (Co)
Total Credit Hours			16	

NOTE: A student may take either CHE 205 + CHE 205 L or BIO 205 + BIO 205 L



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	ASC 301	Research Report Writing	3	STT 100
	BIO 215	Biometrics	3	BIO 205 + STT 100
	ENS 210	Natural Resources Conservation	3	ENS 205
	ENS 215	Oceanography	3	ENS 205
	OE1	Open Elective I	3	-
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 6)	BOT 300	Plant Materials I	3	BIO 206/CIV 203
	CIV 203	Introduction to Soil Sciences	3	GOL 205/LAR 200
	ENS 220	Environmental Policy	3	ENS 205
	ENS 299	Environmental Seminar	1	ENS 205
	OE2	Open Elective II	3	-
	PHI 300	Professional Ethics	3	ENG 200
Total Credit Hours			16	
Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	BIO 305	Genetics	3	BIO 206
	CHE 305	Organic Chemistry	4	CHE 206
	ENS 310	Global Environment	3	ENS 205
	ENS 499	Undergraduate Research	2	ENS 205 + CHE 206 + BIO 206
	OE3	Open Elective III	3	-
Total Credit Hours			15	
Spring (Semester 8)	BIO 405	Microbiology	3	BIO 206
	CHE 405	Biochemistry	3	CHE 305
	ENS 315	Environmental Problems	3	ENS 205 + BIO 215
	ENS 499	Undergraduate Research	2	ENS 205 + CHE 206 + BIO 206
	OE4	Open Elective IV	3	-
Total Credit Hours			14	

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

University Requirements	39 credit hours
College Requirements	3 credit hours
Major Requirements	66 credit hours
Degree Concentration	12 credit hours

University Requirement

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ARL 105 (A)	Communication Skills in Arabic II	ARL 100 (A)	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

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
Compulsory Courses			
BIO 205	General Biology I	ENG 100 + UNS 100 (Pre or Co-Requisite)	3
BIO 205 L	General Biology Laboratory I	BIO 205 (Pre or Co-Requisite)	1
PBH 205/ EHS 205	Introduction to Environmental Health and Safety	ENG 100 + UNS 100	3
PBH 101	Introduction of Public Health	ENG 100 + UNS 100	3
PBH 220	Principles of Epidemiology	STT 100+(PBH 101 or PBH 205)	3
PBH 210	Biostatistics	STT 100	3
CHE 205	General Chemistry I	ENG 100 + UNS 100 (Pre or Co-Requisite)	3
CHE 205 L	General Chemistry Laboratory I	CHE 205 (Pre or Co-Requisite)	1
PBH 200	Determinants of Public Health	BIO 205 + CHE 205 + PBH 220	3
PBH 215	Introduction to Health Management	PBH 101 or PBH 205	3
PBH 300	Health Sociology	PBH 101	3
PBH 310	Principles of Health Promotion	PBH 200	3
ENS 205	Introduction to Environmental Science	ENG 100 + UNS 100 (Pre or Co-Requisite)	3
PBH 410	Research Methods for Public Health	PBH 210 + PBH 220 + ASC 301	3
PBH 399	Public Health Research Seminar	PBH 101 + ASC 301	1
PBH 320	Community and Public Health Nutrition	PBH 200	3
PBH 325	Global Health Challenges	PBH 200	3
PBH 420	Practice of Health Promotion	PBH 310	3
PBH 400	Internship	90 Credit Hours	6
PBH 499	Undergraduate Research	PBH 410 + 60 Credit Hours	3
PBH 305/EHS 305	Occupational Health and Safety	ENS 205 + PBH 205/ EHS 205	3
PBH 425	Maternal and Child Health	PBH 200	3
PBH 405	Chronic and Infectious Diseases	PBH 200	3



Students can take four additional specific courses to earn a degree concentration, as specified below:

Degree Concentration

12 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
Health Promotion			
PBH 340	Program Planning and Evaluation	PBH 310	3
PBH 345	Career Preparation in Health Promotion	PBH 310	3
PBH 440	Health Communication	PBH 310	3
PBH 445	Social Action for Sustainability and Health	PBH 310	3
Health Policy Management			
PBH 350	Management Control in Health Organization	PBH 215	3
PBH 355	Current Issues in Health Policy	PBH 215	3
PBH 450	Health Care Systems	PBH 215	3
PBH 455	Health Policy and Strategic Planning	PBH 215	3
Environmental Health			
PBH 430/ EHS 430	Health Risk Management	ENS 205 + EHS 205	3
PBH 415/ EHS 415	Environmental Health Regulation and Compliance	ENS 205 + EHS 205	3
PBH 460	Environmental Epidemiology	EHS 205 + PBH 220	3
PBH 435	Environmental Intervention: Policy and Practice	ENS 205 + EHS 205	3



Bachelor of Science in Public Health Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ENG 100	English I	3	No Prerequisite
	ARL 100	Comm in Arabic I	3	No Prerequisite
	ENS 205	Introduction to Environmental Science	3	ENG 100 + UNS 100 (Pre or Co-Requisite)
	BIO 205	General Biology	3	ENG 100 + UNS 100 (Pre or Co-Requisite)
	BIO 205 L	General Biology Lab I	1	BIO 205 (Pre or Co-Requisite)
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			16	
Spring (Semester 2)	ENG 200	English II	3	ENG 100
	ARL 105	Comm in Arabic II	3	ARL 100
	STT 100	General Statistics	3	No Prerequisite
	PBH 205/ EHS 205	Intro to Environmental Health	3	ENG 100 + UNS 100
	PBH 101	Intro to Public Health	3	ENG 100 + UNS 100
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ITE 100	Introduction to IT	3	No Prerequisite
	MTT 101	Math for Science and Technology	3	MTG 100/MPT
	PBH 220	Principles of Epidemiology	3	STT 100 + (PBH 101 or PBH 205)
	CHE 205	General Chemistry	3	ENG 100 + UNS 100 (Pre or Co-Requisite)
	CHE 205 L	General Chemistry Lab I	1	CHE 205 (Pre or Co-Requisite)
	PBH 210	Biostatistics	3	STT 100
Total Credit Hours			16	
Spring (Semester 4)	PSY 201	General Psychology	3	UNS 100 + ENG 100
	ISL 100	Islamic Culture	3	No Prerequisite
	ENG 201	Business & Technical Communication	3	ENG 200
	PBH 200	Determinants of Public Health	3	BIO 205 + CHE 205 + PBH 220
	PBH 215	Intro to Health Management	3	PBH 101 or PBH 205
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	PBH 300	Health Sociology	3	PBH 101
	SOC 201	UAE and GCC	3	No Prerequisite
	ASC 301	Research Report Writing	3	STT 100
	PBH 310	Principles of Health Promotion	3	PBH 200
		Concentration Specific Course	3	-
Total Credit Hours			15	
Spring (Semester 6)	PBH 410	Research Methods for Public Health	3	PBH 210 + PBH 220 + ASC 301
	PBH 399	Public Health Research Seminar	1	PBH 101 + ASC 301
	PBH 320	Community and Public Health Nutrition	3	PBH 200
	PHI 300	Professional Ethics	3	ENG 100
		Concentration Specific Course	3	-
Total Credit Hours			13	
Summer Semester	PBH 400	Internship	6	90 Credit hours
Total Credit Hours			6	

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	PBH 499	Undergraduate Research	3	PBH 410 + 60 Crhs
	PBH 305/ EHS 305	Occupational Health & Safety	3	ENS 205 + PBH 205
	PBH 325	Global Health Challenges	3	PBH 200
		Concentration Specific Course	3	-
Total Credit Hours			12	
Spring (Semester 8)	PBH 420	Practice of Health Promotion	3	PBH 310
	PBH 425	Maternal and Child Health	3	PBH 200
	PBH 405	Chronic and Infectious Diseases	3	PBH 200
		Concentration Specific Course	3	-
Total Credit Hours			12	





COLLEGE OF BUSINESS ADMINISTRATION



College Vision

The vision of the College of Business Administration is to be the College of choice for career-based business education in the United Arab Emirates.

College Mission

The mission of the College of Business Administration is to prepare a diverse student body to be principled graduates for successful careers. This is achieved by a diverse faculty focused on student learning, consultancy, practice and discipline based research.

To achieve its mission, the College is committed to continuous improvement processes to attain the following goals:

1. Provide a student-centered environment that is:
 - a. grounded in principles of academic integrity, honor, accountability, and ethical understanding.
 - b. focused on career success by providing practice-based curriculum and flexible course delivery using innovative technology to enhance student learning.
 - c. dedicated to student success through personalized academic and career advisement, and participation in professional student organizations.
2. Achieve academic excellence in teaching, research, and service by attracting, retaining, and developing a diverse and qualified faculty and staff.
3. Collaborate with distinguished universities and organizations worldwide to enrich curriculum, create opportunities for students and faculty, and enhance research impact.
4. Support research activities that focus on the application of business theory to enhance local and regional business practices. The impact of research will be measured by publications in refereed journals, development of relevant case studies, consulting reports, sponsored research projects, workshops for practitioners, and other research activities that inform effective applications of business principles.

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 effectively.
2. Understand legal, social, professional and/or ethical responsibilities in business environment.
3. Apply analytical and critical thinking to specialized business problems.
4. Use information technology for data analysis, problem solving and/or communication.
5. Understand the dynamics of the global environment.
6. Take responsibility for the achievement of team goals.
7. Demonstrate theoretical knowledge of the functional and/or cross-functional areas of business.

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

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	12 credit hours
Major Electives	15 credit hours
Open Electives	12 credit hours





University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade)+UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economics	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT 100 or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + STT 100 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTG 100	3
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	3



Major Requirements

12 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
FIN 301	Managerial Finance	FIN 200 + ECO 201	3
MGT 301	Principles of Organizational Behavior	PSY 201 + MGT 200 + ENG 201	3
MKT 301	Consumer Behavior	MKT 200 + ENG 201	3
MGT411	Project Management	Co-requisite of BUS 306	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/BUS 200	3
FIN 302	Financial Statement Analysis	FIN 200	3
FIN 303	Risk Management	FIN 200	3
HRM 313	Human Resources Management	Co requisite of MGT 301 + MGT 200	3
MGT 321	Change Management	MGT 301	3
MGT 314	Entrepreneurship Management	MGT 301	3
HRM 404	Employee Relations	HRM 313	3
HRM 422	Management and Leadership Development	MGT 301	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 of BUS 204/BUS 200	3
MKT 401	International Marketing	MKT 200 + ECO 202	3
MKT 405	Service Marketing	MKT 200	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





Bachelor of Business Administration Study Plan (Abu Dhabi)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C Grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200 *	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201 *	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200 *	Principles of Management	3	ENG 200
	MIS 200 *	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201 *	Principles of Managerial Accounting	3	ACC 200
	ECO 202 *	Principles of Macroeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	FIN 200 *	Principles of Finance	3	ACC 200
	MKT 200 *	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	FIN 301	Managerial Finance	3	FIN 200 + ECO 201
	MKT 301	Consumer Behavior	3	MKT 200 + ENG 201
	BUS 204 *	Business Research Methods	3	STT 100
	BUS ELECT 1	ACC/FIN Electives	3	-
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306 *	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	BUS 301 *	Business Law	3	ENG 201
	MGT 308*	Operations Management	3	MGT 200 + co-requisite of BUS 204/BUS 200
	BUS ELECT 2	HRM/MGT 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 (Semester 7)	XXX399-I or XXX399-P	Internship/Project	3	Consent of the Dept.
	MGT 411 *	Project Management	3	Co-requisite of BUS 306
	MGT 402	International Business Management	3	MGT 200 + ECO 202
	BUS ELECT 3	MKT Electives	3	Consent of the Dept.
	ELECT-1	Open Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	BUS ELECT 4	-	3	-
	ELECT-2	Open Electives	3	-
	ELECT-3	Open Electives	3	-
Total Credit Hours			12	

* Courses are offered in both Fall and Spring semesters.



Bachelor of Science in Business Administration Study Plan (Al Ain)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C Grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200 *	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201 *	Principles of Microeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	MIS 200 *	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201 *	Principles of Managerial Accounting	3	ACC 200
	ECO 202 *	Principles of Macroeconomics	3	ENG 200 + MTG 100
	MGT 200 *	Principles of Management	3	ENG 200
	FIN 200 *	Principles of Finance	3	ACC 200
	MKT 200 *	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	FIN 301	Managerial Finance	3	FIN 200 + ECO 201
	MKT 301	Consumer Behavior	3	MKT 200 + ENG 201
	BUS 204 *	Business Research Methods	3	STT 100
	MGT 308 *	Operations Management	3	MGT 200 + BUS 204/BUS 200
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306 *	Applied Management Science	3	BUS 204 + ECO 201 + MGT 200
	BUS 301 *	Business Law	3	ENG 201
	BUS ELECT 1	ACC/FIN Electives	3	-
	BUS ELECT 2	HRM/MGT 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 (Semester 7)	XXX 399-I or XXX 399-P	Internship/Project	3	Consent of the Dept.
	MGT 411 *	Project Management	3	Co-requisite of BUS 306
	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	BUS ELECT 3	MKT Electives	3	Consent of the Dept.
	ELECT-1	Open Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	BUS ELECT 4		3	-
	ELECT-2	Open Electives	3	-
	ELECT-3	Open Electives	3	-
Total Credit Hours			12	



BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

Introduction

The Management Program of the College of Business Administration 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 organizational performance.

Curriculum

Total Credit Hours: 120

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	18 credit hours
Major Electives	6 credit hours
Open Electives	15 credit hours



University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economics	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT 100 or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + STT 100 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTG 100	3
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	3



Major Requirements

18 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MGT 321	Change Management	MGT 301	3
HRM 422	Management and Leadership Development	MGT 301	3
MGT 301	Principles of Organizational Behavior	PSY 201 + MGT 200 + ENG 201	3
HRM 313	Human Resources Management	MGT 200 + Co-requisite of MGT 301	3
MGT 314	Entrepreneurship Management	MGT 301	3
MGT 399	Internship / Project in Management	Consent of Dept.	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	3
MGT 411	Project Management	Co-requisite of BUS 306	3
MGT 444	Independent Study in Management	Consent of Department	3
MGT 499	Special Topics in Management	Consent of Department	3

Open Electives

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

The remaining 15 credit hours (5 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 four options:

1. 15 credits (5 courses) to be used fully or partially towards satisfying the requirement for a minor within COBA.
2. 15 credits (5 courses) to be counted against the completion of a non-business Minor outside COBA, at least one extra course will be required in that case.
3. 15 credits (5 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 (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT

Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200 *	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201 *	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200 *	Principles of Management	3	ENG 200
	MIS 200 *	Intro to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201 *	Principles of Managerial Accounting	3	ACC 200
	ECO 202 *	Principles of Macroeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	FIN 200 *	Principles of Finance	3	ACC 200
	MKT 200 *	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301 *	Business Law	3	ENG 201
	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	BUS 204 *	Business Research Methods	3	STT 100
	MGT 308 *	Operations Management	3	MGT 200 + co-requisite of BUS 204/BUS 200
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306 *	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	HRM 313	Human Resources Management	3	MGT 200 + Co-requisite of MGT 301
	MGT 314	Entrepreneurship Management	3	MGT 301
	MGT 321	Change Management	3	MGT 301
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 (Semester 7)	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	MGT 399	Internship / Project in Management	3	Consent of Dept.
	Major ELECT-1	Major Elective	3	-
	ELECT-2	Free Electives	3	-
	ELECT-3	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406	Strategic Management	3	Last Semester only
	HRM 422	Management and Leadership Development	3	MGT 301
	Major ELECT-2	Major Elective	3	-
	ELECT-4	Free Electives	3	-
	ELECT-5	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.



Bachelor of Business Administration in Management Study Plan (Al Ain)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (Cgrade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	TOEFL 500
	MIS 200*	Intro to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201*	Principles of Managerial Accounting	3	ACC 200
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	MGT 200*	Principles of Management	3	ENG 200
	FIN 200*	Principles of Finance	3	ACC 200
	MKT 200*	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301*	Business Law	3	ENG 201
	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	BUS 204*	Business Research Methods	3	STT100
	MGT 308*	Operations Management	3	MGT 200 + BUS 204/BUS 200
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306*	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	HRM 313	Human Resources Management	3	MGT 200 + Co-requisite of MGT 301
	MGT 314	Entrepreneurship Management	3	MGT 301
	MGT 321	Change Management	3	MGT 301
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 (Semester 7)	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	MGT 399	Internship / Project in Management	3	Consent of Dept.
	Major ELECT-1	Major Elective	3	-
	ELECT-2	Free Electives	3	-
	ELECT-3	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406	Strategic Management	3	Last Semester only
	HRM 422	Management and Leadership Development	3	MGT 301
	Major ELECT-2	Major Elective	3	-
	ELECT-4	Free Electives	3	-
	ELECT-5	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.



BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING



Introduction

In a fast-paced, ever changing global environment, the skills marketing students need and prize are those that make them highly competitive when they graduate and, through the years, facilitate their advancing careers. The BBA program in Marketing provides this learning environment and opportunity for students. Rock-solid marketing foundations, the flexibility to meet personal goals and, above all, preparation for business on a small planet where change is constant, are what the Marketing program is all about.

Curriculum

Total Credit Hours: 120

Learning Outcomes

BBA 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 marketing mix strategies (e.g. product, price, place, and promotion) in real life business situations.

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	18 credit hours
Major Electives	6 credit hours
Open Electives	15 credit hours



University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economic	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT100 or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + STT 100 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200+ MTG 100	3
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	3



Major Requirements

18 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MKT 301	Consumer Behavior	MKT 200 + ENG 201	3
MKT 303	Retail Marketing	MKT 200	3
MKT 304	Marketing Communication	MKT 301	3
MKT 305	Marketing Research	MKT 200 + co-requisite of BUS 204	3
MKT 399	Internship/Project in Marketing	Consent of Dept	3
MKT 404	Marketing Strategies	MKT 303 + MKT 304 + MKT 305	3

Major Electives: Select any two courses

6 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MKT 401	International Marketing	MKT 200 + ECO 202	3
MKT 402	Internet Marketing	MKT 200 + MIS 200	3
MKT 405	Service Marketing	MKT 200	3
MKT 444	Independent Study in Marketing	Consent of Dept.	3
MKT 499	Special Topics in Marketing	Consent of Dept + MKT 200	3
MKT 404	Marketing Strategies	MKT 303 + MKT 304 + MKT 305	3

Open Electives

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

The remaining 15 credit hours (5 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 four options:

1. 15 credits (5 courses) to be used fully or partially towards satisfying the requirement for a minor within COBA.
2. 15 credits (5 courses) to be counted against the completion of a non-business Minor outside COBA, at least one extra course will be required in that case.
3. 15 credits (5 courses) to be freely selected from any of the undergraduate courses offered at Abu Dhabi University.



Bachelor of Business Administration in Marketing Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economic		MTG 100 (C grade) or MP
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200*	Principles of Management	3	ENG 200
	MIS 200*	Intro. to Management Information Systems		ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201*	Principles of Managerial Accounting	3	ACC 200
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	FIN 200*	Principles of Finance	3	ACC 200
	MKT 200*	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301*	Business Law	3	ENG 201
	MGT 308*	Operations Management	3	MGT 200 + BUS 204/BUS 200
	BUS 204*	Business Research Methods	3	STT 100
	MKT 301	Consumer Behavior	3	MKT 200 + ENG 201
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306*	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	MKT 305	Marketing Research	3	MKT 200 + co-requisite of BUS 204
	MKT 303	Retail Marketing	3	MKT 200
	MKT 304	Marketing Communication	3	MKT 301
Total Credit Hours			15	
Students will be expected to either complete a three (3) credit Summer internship course (MKT 399-I) during their last senior 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 (Semester 7)	MKT 404	Marketing Strategies	3	MKT 303 + MKT 304 + MKT 305
	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	MKT 399	Internship/Project in Marketing	3	Consent of Dept.
	Major ELECT-1	Major Elective	3	-
	ELECT-2	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	Major ELECT-2	Major Elective	3	-
	ELECT-3	Free Electives	3	-
	ELECT-4	Free Electives	3	-
	ELECT-5	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.

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

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	21 credit hours
Major Electives	6 credit hours
Open Electives	12 credit hours





University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economics	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + BUS 204 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTG 100	3
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	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 Dept.	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
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 444	Independent Study in Finance	Consent of Dept.	3
FIN 499	Special Topics in Finance	Consent of Dept.	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

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 four options

- 12 credits (4 courses) to be used fully or partially towards satisfying the requirement for a minor within COBA.
- 12 credits (4 courses) to be counted against the completion of a non-business Minor outside COBA, 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 Finance Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ARL 100 (A)
	ITE 100	Introduction to Information Technology Applications	3	ENG 100 + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200*	Principles of Management	3	ENG 200
	MIS 200*	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201*	Principles of Managerial Accounting	3	ACC 200
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	FIN 200*	Principles of Finance	3	ACC 200
	MKT 200*	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301*	Business Law	3	ENG 201
	MGT 308*	Operations Management	3	MGT 200 + BUS 204/BUS 200
	BUS 204*	Business Research Methods	3	STT 100
	FIN 301	Managerial Finance	3	FIN 200 + ECO 201
	FIN 303	Risk Management	3	FIN 200
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	FIN 302	Financial Statement Analysis	3	FIN 200
	FIN 304	Management Of Financial Institutions	3	FIN 200
	Major ELECT-1	Major Elective	3	-
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 (Semester 7)	FIN 401	Investment and Financial Policy	3	FIN 301
	FIN 399	Internship/Project in Finance	3	Consent of Dept.
	MGT402*	International Business Management	3	MGT 200 + ECO 202
	Major ELECT-2	Major Elective	3	-
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406*	Strategic Management	3	Last Semester only
	FIN 407	International Financial Management	3	FIN 301 + ECO 202
	ELECT-2	Free Electives	3	-
	ELECT-3	Free Electives	3	-
	ELECT-4	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.



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.

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.

Curriculum

Total Credit Hours: 120

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	24 credit hours
Major Electives	3 credit hours
Open Electives	12 credit hours





University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economics	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT 100 or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + STT 100 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTG 100	
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	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 Dept.	3
ACC 401	Advanced Accounting	ACC 304	3
ACC 404	Auditing	ACC 304	3
ACC 407	International Accounting	ACC 304	3

Major Electives

3 Credit Hours

select one course

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 400*	Government and Not for Profit Accounting	ACC 304	3
ACC 444	Independent Study in Accounting	Consent of Dept.	3
ACC 499	Special Topics in Accounting	Consent of Dept.	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

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 four options:

- 12 credits (4 courses) to be used fully or partially towards satisfying the requirement for a minor within COBA.
- 12 credits (4 courses) to be counted against the completion of a non-business Minor outside COBA, 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 Accounting Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (Cgrade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200*	Principles of Management	3	ENG 200
	MIS 200*	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	ACC 201*	Principles of Managerial Accounting	3	ACC 200
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	FIN 200*	Principles of Finance	3	ACC 200
	MKT 200*	Principles of Marketing	3	ENG 200
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301 *	Business Law	3	ENG 201
	MGT 308 *	Operations Management	3	MGT 200 + co-requisite of BUS 204/BUS 200
	BUS 204 *	Business Research Methods	3	STT 00
	ACC 302	Intermediate Accounting I	3	ACC 200 (C grade)
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306 *	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	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 Summer internship course (ACC 399-I) during their last 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 (Semester 7)	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 Dept.
	MGT402 *	International Business Management	3	MGT 200 + ECO 202
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	Major ELECT-1	Major Elective	3	-
	ELECT-2	Free Electives	3	-
	ELECT-3	Free Electives	3	-
	ELECT-4	Free Elective	3	-
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

University Requirements	39 credit hours
College Requirements	42 credit hours
Major Requirements	18 credit hours
Major Electives	6 credit hours
Open Electives	15 credit hours





University Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (C grade) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
ITE 100	Introduction to Information Technology Applications	No Prerequisite	3
MTB 101	Mathematics and Calculus for Business and Economics	MTG 100 (C grade) or MPT	3
NSC 201	Natural Sciences	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
BUS 200	Business Statistics	STT 100 or SPT	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

42 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	3
ACC 201	Principles of Managerial Accounting	ACC 200	3
BUS 301	Business Law	ENG 201	3
BUS 204	Business Research Methods	STT 100	3
BUS 306	Applied Management Science	MGT 200 + STT 100 + ECO 201	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3
ECO 202	Principles of Macroeconomics	ENG 200 + MTG 100	3
FIN 200	Principles of Finance	ACC 200	3
MGT 200	Principles of Management	ENG 200	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
MGT 406	Strategic Management	Last semester only	3
MIS 200	Introduction to Management Information Systems	ENG 200 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
MGT 402	International Business Management	MGT 200 + ECO 202	3



Major Requirements

18 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
HRM 313	Human Resources Management	MGT 200 + Co-requisite of MGT 301	3
HRM 315	Staffing	HRM 313	3
HRM 404*	Employee Relations	HRM 313	3
HRM 419	Training and Development	HRM 313	3
MGT 301	Principles of Organizational Behavior	PSY 201 + MGT 200 + ENG 201	3
HRM 399	Internship / Project in HRM	Consent of Dept.	3

Major Electives :Select any two courses

6 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MGT 321	Change Management	MGT 301	3
ECO 401	Labor Economics	ECO 201 + BUS 204/BUS 200	3
HRM 422	Management and Leadership Development	MGT 301	3
HRM 424	Contemporary Research in HRM	HRM 313	3
HRM 444	Independent Study in HRM	Consent of Dept.	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
OE 5	Open Elective IV	-	3

The remaining 15 credit hours (5 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:

1. 15 credits (5 courses) to be used fully or partially towards satisfying the requirement for a minor within COBA.
2. 15 credits (5 courses) to be counted against the completion of a non-business Minor outside COBA, at least one extra course will be required in that case.
3. 15 credits (5 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 (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	MGT 200*	Principles of Management	3	ENG 200
	MIS 200*	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	NSC 201	Natural Sciences	3	No Prerequisite
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	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
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	BUS 301*	Business Law	3	ENG 201
	MGT 308*	Operations Management	3	MGT 200 + BUS 204/ BUS 200
	BUS204*	Business Research Methods	3	STT100
	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	HRM 313	Human Resources Management	3	MGT 200 + Co-requisite of MGT 301
Total Credit Hours			15	
Spring (Semester 6)	PHI 300	Professional Ethics	3	ENG 200
	BUS 306*	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	HRM 315	Staffing	3	HRM 313
	Major ELECT-1	Major Elective	3	-
	ELECT-1	Free Electives	3	-
Total Credit Hours			15	

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 (Semester 7)	HRM 404*	Employee Relations	3	HRM 313
	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	HRM 419	Training and Development	3	HRM 313
	HRM 399	Internship / Project in HRM	3	Consent of Dept.
	ELECT-2	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	Major ELECT-2	Major Elective	3	-
	ELECT-3	Free Electives	3	-
	ELECT-4	Free Electives	3	-
	ELECT-5	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.



Bachelor of Business Administration in Human Resources Management Study Plan (Al Ain)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	No Prerequisite
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTB 101	Mathematics and Calculus for Business and Economics	3	MTG 100 (C grade) or MPT
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 (C grade) + UNS 100
	ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	BUS 200	Business Statistics	3	STT 100 or SPT
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	ACC 200*	Principles of Financial Accounting	3	ENG 200 + MTG 100 + ITE 100
	ECO 201*	Principles of Microeconomics	3	ENG 200 + MTG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	MIS 200*	Intro. to Management Information Systems	3	ITE 100 + ENG 200
Total Credit Hours			15	
Spring (Semester 4)	MGT 200*	Principles of Management	3	ENG 200
	ECO 202*	Principles of Macroeconomics	3	ENG 200 + MTG 100
	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
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	PHI 300	Professional Ethics	3	ENG 200
	MGT 308*	Operations Management	3	MGT 200 + co-requisite of BUS 204/BUS 200
	BUS 204*	Business Research Methods	3	STT 100
	MGT 301	Principles of Organizational Behavior	3	PSY 201 + MGT 200 + ENG 201
	ELECT 1		3	-
Total Credit Hours			15	
Spring (Semester 6)	BUS 301*	Business Law	3	ENG 201
	BUS 306*	Applied Management Science	3	STT 100 + ECO 201 + MGT 200
	HRM 315	Staffing	3	HRM 313
	Major ELECT-1	Major Elective	3	-
	HRM 313	Human Resources Management	3	MGT 200 + Co-requisite of MGT 301
Total Credit Hours			15	

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 (Semester 7)	HRM 404	Employee Relations	3	HRM 313
	MGT 402 *	International Business Management	3	MGT 200 + ECO 202
	HRM 419	Training and Development	3	HRM 313
	HRM 399	Internship / Project in HRM	3	Consent of Dept.
	ELECT-2	Free Electives	3	-
Total Credit Hours			15	
Spring (Semester 8)	MGT 406 *	Strategic Management	3	Last Semester only
	Major ELECT-2	Major Elective	3	-
	ELECT-3	Free Electives	3	-
	ELECT-4	Free Electives	3	-
	ELECT-5	Free Electives	3	-
Total Credit Hours			15	

* Courses are offered in both Fall and Spring semesters.



COLLEGE OF ENGINEERING



Introduction

The COLLEGE OF ENGINEERING (COE) at Abu Dhabi University offers nine bachelor's degree programs and four 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), and Master of Science in Civil Engineering (MSCE) with the following 3 concentrations: (i) General Civil Engineering, (ii) Structural Engineering, and (iii) Construction Engineering Management. The undergraduate degree programs are the Bachelor of Science in Mechanical Engineering, the Bachelor of Science in Civil Engineering, the Bachelor of Science in Electrical Engineering, the Bachelor of Science in Computer Engineering, the Bachelor of Science in Chemical Engineering, the Bachelor of Science in Information Technology, the Bachelor of Science in Aviation, the Bachelor of Science in Interior Design, and the Bachelor of Architecture.

The College has plans to expand in the near future at the postgraduate level. It has two applications under review by the UAE Commission on Academic Accreditation (CAA). One application under CAA review is for a Master of Science in Electrical and Computer Engineering, and the second application is for a Master of Science in Architecture and Sustainable Design (MSASD).

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 lab, Flight Simulation and Training lab, CISCO Academy lab, Multimedia lab, UNIX lab, Microprocessor 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 College of Engineering is a diverse community of scholars dedicated to excellence in teaching, scholarship and service with a vision to become one of the premier engineering colleges locally, regionally and internationally that provides "The Future Engineering Leaders of the Region." Its mission is to produce well-educated, knowledgeable and skilled graduates who are prepared to face the current and emerging professional challenges in response to the rising market demand in various fields of engineering. The College achieves its mission through offering well-designed engineering programs that follow modern curricula and international standards in a student-centric learning environment supported by world-class faculty and modern facilities and specialized labs furnished with state-of-the-art equipment.

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. Be knowledgeable 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. Reflect a 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. Exhibit a 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.



Curriculum

Total Credit Hours: 162

University Requirements	30 credit hours
College Requirements	7 credit hours
Major Requirements	110 credit hours
Professional Electives	9 credit hours
Open Electives	6 credit hours

University Requirements

30 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

7 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MTT 102	Calculus I	MTT 101	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Lab	MTT 102 + PHY 102 (Co)	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

6 Credit Hours

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



Bachelor of Architecture Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	DES 110	Design Communication I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	DES 120	Design Communication II	3	DES 110
	DES 130	Design Foundations	3	No Prerequisite
	ENG 200	English II	3	ENG 100 + UNS 100
	MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
Total Credit Hours			18	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (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 (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 102 L	Physics and Engineering Applications I Lab	1	MTT 102 + PHY 102 (Co)
Total Credit Hours			17	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	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
Total Credit Hours			15	
Spring (Semester 6)	ARC 350	Design Studio IV	6	ARC 310
	ARC 360	Urban Planning	3	ARC 210
	ARC 370	Professional Practice and Ethics	3	ENG 200
	ENG 201	Business and Technical Communications	3	ENG 200
Total Credit Hours			15	
Summer Semester	ARC 399	Internship	3	90 Credit Hours + ARC 370

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	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
	OEI	Open Elective I	3	-
Total Credit Hours			15	
Spring (Semester 8)	ARC 450	Design Studio VI	6	ARC 410
	ARC 460	Structures for Architects II	3	ARC 330
	ARC 470	Urban Design	3	ARC 360
	PREI	Professional Elective I	3	-
Total Credit Hours			15	



Fifth Year				
	Code	Title	Credit	Prerequisite(s)
Fall (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 (Semester 10)	ARC 550	Graduation Project II	6	ARC 510
	OE2	Open Elective II	3	-
	PRE2	Professional Elective II	3	-
	PRE3	Professional Elective III	3	-
Total Credit Hours			15	

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 program is to provide the airline industry in the country with suitably qualified aviation graduates who have the knowledge and technical skills necessary to successfully serve the aviation industry. This program is offered by Abu Dhabi University in response to the high demand by the fast-growing airline industry in UAE and the Gulf countries. Two major airlines in the country (Etihad Airways and Emirates Airlines) confirmed that each will need at least 50 graduates of the proposed program every year for the next 5-10 years. 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. Abu Dhabi University does not give the student a pilot license upon completion of this program. Students willing to get a pilot license have to join a flight training institute authorized to conduct the flight training and pass all required tests taken at the flight training institute before the pilot license is granted.

Program Objectives

The program objectives pertain to career and professional accomplishments desired of students three to five years after graduation. The following two program objectives have been identified to satisfy constituents' needs and fulfill the program's mission.

1. Produce qualified Aviation graduates with the knowledge and technical skills necessary to successfully serve the aviation industry.

2. Prepare graduates who meet the industry expectations in terms of communication skills, ability to function well in teams, and commitment to life-long learning and professional development.

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:

1. Demonstrate knowledge about operating modern aircrafts
2. Function in teams and in multidisciplinary teams;
3. Identify, formulate, and solve problems encountered in the practice of performing the role of a professional pilot;
4. Demonstrate an understanding of the professional and ethical responsibility of a professional pilot;
5. Communicate effectively with written, oral and visual means;
6. Demonstrate and understand the impact of the Aviation Industry in a global, economic, environmental, and societal context;
7. Recognize the need for and the ability to engage in life-long learning; and
8. Demonstrate knowledge of contemporary issues.



Curriculum

Option 1- (For students sponsored by Etihad only)

Total Credit Hours: 121

University Requirements	45 credit hours
Major Requirements	70 credit hours
Open Electives	6 credit hours

University Requirements

45 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100	Communication Skills in Arabic I	No Prerequisite	3
ARL 105	Communication Skills in Arabic II	ARL 100	3
ENG 100	English I	No Prerequisite	3
ENG 200	English II	ENG 100 (min C) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200 (min C)	3
ISL 100	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
ITE 100	Introduction to IT Applications	No Prerequisite	3
NSC 201	Natural Sciences	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
MGT 200	Principles of Management	ENG 200	3



Major Requirements

70 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
AVS 121	Private Pilot Operations	None	3
AVS 221	Instrument Pilot Operations	AVS 121	3
AVS 231	Commercial Pilot Operations	AVS 221	3
AVS 209	Aerodynamics	NSC 201 + MTT 101	3
AVS 211	Aircraft Engines	NSC 201	3
AVS 254	Aviation Law	SOC 201	3
PFT 121	Flight Lessons I	60 Credit Hours	2
AVS 310	Aircraft Performance	AVS 209 + AVS 211	3
AVS 350	Flight Navigation	AVS 310 + AVS 221	3
AVS 287	Crew Resource Management	MGT 200 + PSY 201	3
PFT 221	Flight Lessons II	PFT 121	2
AVS 356	Systems and Components	NSC 201	3
AVS 289	Airline Management	AVS 287	3
AVS 415	Airport Operations	None	3
AVS 301	Introduction to Meteorology	MTT 101 + NSC 201	3
PFT 321	Flight Lessons III	PFT 221	2
AVS 408	Flight Safety	80 Credit Hours	3
AVS 401	Aviation Weather	AVS 301	3
AVS 357	Flight Physiology	NSC 201 + PSY 201	3
AVS 380	Pilot Career Planning and Interviewing Techniques	60 Credit Hours	2
PFT 421	Flight Lessons IV	PFT 321	2
AVS 435	Electronic Flight Management System	AVS 310	3
AVS 472	Aviation Science of Multi-Crew Flight Operations	AVS 221 + AVS 415	3
AVS 411	Jet Transport Systems	AVS 356	3
AVS 410	Air Traffic Management	MGT 200	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

(6 credit hours of any courses offered at Abu Dhabi University)



Bachelor of Science in Aviation Study Plan (Option 1: For Etihad students only)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	ISL 100	Islamic Culture	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
Total Credit Hours			15	
Winter Term	ARL 105	Communication Skills in Arabic II	3	ARL 100
	ITE 100	Introduction to IT Applications	3	No Prerequisite
Total Credit Hours			6	
Spring Semester	ENG 200	English II	3	ENG 100 (min. grade of C) + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	MTT 101	College Mathematics	3	MTG 100/Math Placement Test
Total Credit Hours			15	
Summer A Term	ENG 201	Business and Technical Communications	3	ENG 200 (with min. grade of C)
	MGT 200	Principles of Management	3	ENG 200
Total Credit Hours			6	



Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	AVS 121	Private Pilot Operations	3	None
	PHI 300	Professional Ethics	3	ENG 200
	AVS 211	Aircraft Engines	3	NSC 201
	AVS 254	Aviation Law	3	SOC 201
	AVS 287	Crew Resource Management	3	MGT 200 + PSY 201
Total Credit Hours			15	
Winter Term	AVS 221	Instrument Pilot Operations	3	AVS 121
	AVS 289	Airline Management	3	AVS 287
Total Credit Hours			6	
Spring Semester	AVS 231	Commercial Pilot Operations	3	AVS 221
	AVS 209	Aerodynamics	3	NSC 201 + MTT 101
	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 + PSY 201
Total Credit Hours			15	
Summer A Term	AVS 310	Aircraft Performance	3	AVS 209 + AVS 211
	OE I	Open Elective I	3	-
Total Credit Hours			6	
Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	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
Total Credit Hours			14	
Spring Semester	AVS 435	Electronic Flight Management System	3	AVS 310
	AVS 472	Aviation Science of Multi-Crew Flight Operations	3	AVS 221 + AVS 415
	AVS 411	Jet Transport Systems	3	AVS 356
	AVS 410	Air Traffic Management	3	MGT 200
	OE II	Open Elective II	3	-
Total Credit Hours			15	
Summer A Term	PFT 121	Flight Lessons I	2	113 Credit Hours
Total Credit Hours			2	



Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	PFT 221	Flight Lessons II	2	PFT 121
Total Credit Hours			2	
Spring Semester	PFT 321	Flight Lessons III	2	PFT 221
Total Credit Hours			2	
Summer A Term	PFT 421	Flight Lessons IV	2	PFT 321
Total Credit Hours			2	

Option 2

Total Credit Hours: 121

University Requirements	45 credit hours
Major Requirements	64 credit hours
Open Electives	12 credit hours

University Requirements

45 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100	Communication Skills in Arabic I	No Prerequisite	3
ARL 105	Communication Skills in Arabic II	ARL 100	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 (min. C) + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200 (min. C)	3
ISL 100	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
ITE 100	Introduction to IT Applications	No Prerequisite	3
NSC 201	Natural Sciences	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3
PHI 300	Professional Ethics	ENG 200	3
MGT 200	Principles of Management	ENG 200	3



Major Requirements

64 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
AVS 121	Private Pilot Operations	None	3
AVS 221	Instrument Pilot Operations	AVS 121	3
AVS 231	Commercial Pilot Operations	AVS 221	3
AVS 209	Aerodynamics	NSC 201 + MTT 101	3
AVS 211	Aircraft Engines	NSC 201	3
AVS 254	Aviation Law	SOC 201	3
AVS 310	Aircraft Performance	AVS 209 + AVS 211	3
AVS 350	Flight Navigation	AVS 310 + AVS 221	3
AVS 287	Crew Resource Management	MGT 200 + PSY 201	3
AVS 356	Systems and Components	NSC 201	3
AVS 289	Airline Management	AVS 287	3
AVS 415	Airport Operations	None	3
AVS 301	Introduction to Meteorology	MTT 101 + NSC 201	3
AVS 408	Flight Safety	80 Credit Hours	3
AVS 401	Aviation Weather	AVS 301	3
AVS 357	Flight Physiology	NSC 201 + PSY 201	3
AVS 380	Pilot Career Planning and Interviewing Techniques	60 Credit Hours	2
AVS 399	Internship	90 Credit Hours	2
AVS 435	Electronic Flight Management System	AVS 310	3
AVS 472	Aviation Science of Multi-Crew Flight Operations	AVS 221 + AVS 415	3
AVS 411	Jet Transport Systems	AVS 356	3
AVS 410	Air Traffic Management	MGT 200	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

Bachelor of Science in Aviation



Bachelor of Science in Aviation Study Plan (Option 2)

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	ISL 100	Islamic Culture	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	STT 100	General Statistics	3	No Prerequisite
Total Credit Hours			15	
Winter Term	ARL 105	Communication Skills in Arabic II	3	ARL 100
	ITE 100	Introduction to IT Applications	3	No Prerequisite
Total Credit Hours			6	
Spring Semester	ENG 200	English II	3	ENG 100 (min. grade of C) + UNS 100
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	SOC 201	UAE and GCC Society	3	UNS 100 + ENG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
Total Credit Hours			15	
Summer A Term	ENG 201	Business and Technical Communications	3	ENG 200 (with min. grade of C)
	MGT 200	Principles of Management	3	ENG 200
Total Credit Hours			6	



Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	AVS 121	Private Pilot Operations	3	None
	PHI 300	Professional Ethics	3	ENG 200
	AVS 211	Aircraft Engines	3	NSC 201
	AVS 254	Aviation Law	3	SOC 201
	AVS 287	Crew Resource Management	3	MGT 200 + PSY 201
Total Credit Hours			15	
Winter Term	AVS 221	Instrument Pilot Operations	3	AVS 121
	AVS 289	Airline Management	3	AVS 287
Total Credit Hours			6	
Spring Semester	AVS 231	Commercial Pilot Operations	3	AVS 221
	AVS 209	Aerodynamics	3	NSC 201 + MTT 101
	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 + PSY 201
Total Credit Hours			15	
Summer A Term	AVS 310	Aircraft Performance	3	AVS 209 + AVS 211
	OE I	Open Elective I	3	-
Total Credit Hours			6	

Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	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
Total Credit Hours			14	
Spring Semester	AVS 435	Electronic Flight Management System	3	AVS 310
	AVS 472	Aviation Science of Multi-Crew Flight Operations	3	AVS 221 + AVS 415
	AVS 411	Jet Transport Systems	3	AVS 356
	AVS 410	Air Traffic Management	3	MGT 200
	OE II	Open Elective II	3	-
Total Credit Hours			15	



Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall Semester	AVS 399	Internship	2	90 Credit Hours
Total Credit Hours			2	
Spring Semester	OE 3	Open Elective III	3	-
	OE 4	Open Elective IV	3	-
Total Credit Hours			6	

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING



Introduction

Chemical engineering is the branch of engineering that deals with the operation of petrochemical and pharmaceutical facilities, the design and invention of new composite materials and polymers, and making chemical processes more efficient, cost effective, and environmentally friendly.

Chemical engineers have helped develop atomic science, polymers, paper, dyes, drugs, plastics, fertilizers, foods, textiles, and chemicals. They have plenty of job opportunities in the gas, petrochemicals and petroleum industry, water desalination, food and drinking industry, composite materials and polymers industry, power generation industry, pharmaceutical industry, cosmetic industry, and many other industries.

The chemical engineering program at Abu Dhabi University has been developed in response to the high demand for chemical engineers in UAE from the growing petrochemical, polymer, pharmaceutical, and food industries in the country, combined with the expansion in water desalination projects in the region. The program has been designed according to the standards of the Accreditation Board for Engineering Technology (ABET). This ensures that graduates of the program will be uniquely qualified to design, analyze, and test wide-ranging solutions for state-of-the-art chemical engineering systems and processes. The program provides chemical 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 chemical engineering to produce a professional engineer capable of designing and analyzing all aspects of modern chemical engineering systems. The program emphasizes a number of areas of technology including Gas Processing and Petrochemicals, Polymer and Materials, Water Treatment and Desalination, and Biotechnology.

Program Mission

The educational mission of 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 baccalaureate 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 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 Chemical Engineering program are to:

1. Prepare graduates who are skilled chemical and process engineers who serve as professional role models for the next generations;
 2. Prepare graduates who take part in the development of the country's chemical and process industries and are able to work abroad;
 3. Prepare graduates who develop themselves professionally or follow graduate studies; and
 4. Prepare graduates who apply principles of mathematics, chemistry, and chemical engineering to the design and operation of safe, economically feasible, and environmentally responsible chemical and petroleum processing systems.
1. Apply knowledge of mathematics, science and engineering principles to chemical engineering;
 2. Design and conduct laboratory experiments safely, as well as critically analyze and interpret data;
 3. 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;
 4. Function in teams and in multidisciplinary teams;
 5. Identify, formulate, and solve problems encountered in the practice of chemical engineering;
 6. Demonstrate understanding of the professional and ethical responsibility of a chemical engineer;
 7. Communicate effectively with written, oral and visual means;
 8. Demonstrate an understanding of the impact of chemical engineering solutions in a global, economic, environmental, and societal context;
 9. Recognize the need for and the ability to engage in life-long learning;
 10. Demonstrate knowledge of contemporary issues; and
 11. Use the techniques, skills, and modern engineering tools necessary for chemical engineering practice.

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:

Curriculum

Total Credit Hours: 136

University Requirements	27 credit hours
College Requirements	39 credit hours
Major Requirements	55 credit hours
Major Electives	9 credit hours
Open Electives	6 credit hours



University Requirements

27 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MTT 102	Calculus I	MTT 101 or Math Placement Test	3
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	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Lab	MTT 102 + PHY 102 (co-requisite)	1
PHY 201	Physics and Engineering Applications II	PHY 102	3
PHY 201 L	Physics and Engineering Applications II Lab	PHY 102 + PHY 201 (co-requisite)	1
CHE 205	General Chemistry I	ENG 100	3
CHE 201 L	Chemistry Lab	CHE 205 (co-requisite)	1
CME 200	Introduction to Chemical Engineering	No Prerequisite	3
CSC 201	Structured Programming	MTT 102	3
GEN 200	Engineering Economy	ENG 200 + MTT 102	3
CIV 402	Engineering Ethics	Senior level	3



Major Requirements

55 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
CHE 206	General Chemistry II	CHE 205	3
CHE 206 L	General Chemistry II Lab	CHE 205 + CHE 206 (Co)	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 + CME 200	4
CME 220	Chemical Engineering Thermodynamics I	PHY 102 + CHE 205 + CME 210 + MTT 205 (Co)	3
CME 300	Chemical Engineering Thermodynamics II	CME 220	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)	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)	3
CME 331	Chemical Reaction Engineering	CHE 330 + MTT 205	3
CME 341	Heat Transfer	CME 310 (Co)	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)	3
CME 399i	Internship	90 credit hours	3
CME 499	Design Project (Capstone)	Senior Level	3

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	
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

.To satisfy the requirements of a Theme, at least three 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



Bachelor of Science in Chemical Engineering Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	MTT 102	Calculus I	3	MTT 101 or Math Placement Test
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 + UNS 100
	CME 200	Introduction to Chemical Engineering	3	No Prerequisite
	MTT 200	Calculus II	3	MTT 102
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
	CHE 205	General Chemistry I	3	ENG 100
	CHE 201 L	Chemistry Lab	1	CHE 205 (Co)
Total Credit Hours			17	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	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 201 L	Physics and Engineering Applications II Lab	1	PHY 102 + PHY 201 (Co)
	CME 210	Principles of Chemical Engineering	4	CHE 205 + CME 200
Total Credit Hours			17	
Spring (Semester 4)	ISL 100	Islamic Culture	3	No Prerequisite
	CME 220	Chemical Engineering Thermodynamics I	3	PHY 102 + CHE 205 + CME 210 + MTT 205 (Co)
	CHE 206	General Chemistry II	3	CHE 205
	CHE 206 L	General Chemistry II Lab	1	CHE 205 + CHE 206 (Co)
	MTT 205	Differential Equations	3	MTT 200
	MTT 204	Introduction to Linear Algebra	3	MTT 200
Total Credit Hours			16	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	CHE 305	Organic Chemistry	4	CHE 206
	CME 300	Chemical Engineering Thermodynamics II	3	CME 220
	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)
Total Credit Hours			19	
Spring (Semester 6)	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)
	CME 331	Chemical Reaction Engineering	3	CHE 330 + MTT 205
	CME 305	Modeling and Simulation in Chemical Engineering	2	CME 210 + CME 310 + CME 331 (Co)
	PSY 201	General Psychology	3	UNS 100 + ENG 100
Total Credit Hours			17	
Summer Semester	CME 399i	Internship	3	90 Credit Hours

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	CME 400	Separation Processes	3	CME 301 + CME 305
	CME 450	Process Design	3	CME 331 + CME 400 (Co)
	CME 320	Chemical Engineering Laboratory I	1	CME 310 + CME 341 + CME 301
	ME 1	Major Elective I	3	-
	ME 2	Major Elective II	3	-
Total Credit Hours			13	
Spring (Semester 8)	CME 499	Design Project (Capstone)	3	Senior level
	CME 430	Chemical Engineering Laboratory II	1	CME 321 + CME 331 + CME 400
	CIV 402	Engineering Ethics	3	Senior level
	ME 3	Major Elective III	3	
	OE 1	Open Elective I	3	
	OE 2	Open Elective III	3	
Total Credit Hours			16	



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.

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. Graduates will achieve a high level of proficiency to address real life civil engineering challenges based on sound knowledge of science, engineering, technology, and research.
 2. Graduates will create sustainable and innovative engineering solutions to problems facing communities considering regional and cultural requirements.
 3. Graduates will engage in lifelong learning through continual professional education and/or graduate studies.
 4. Graduates will demonstrate effective communication and team working skills in professional settings, maintaining professional ethics, and pursuing professional registrations and certifications.
- 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.

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.

Curriculum

Total Credit Hours: 142

University Requirements	27 credit hours
College Requirements	36 credit hours
Major Requirements	70 credit hours
Major Electives	6 credit hours
Open Electives	3 credit hours



University Requirements

27 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

College Requirements

36 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
CHE 205	General Chemistry I	ENG 200	3
CHE 201 L	Chemistry Laboratory	ENG 200 + CHE 205 (Co)	1
CIV 402	Engineering Ethics	Senior Status	3
GEN 200	Engineering Economy	ENG 200 + MTT 102	3
GOL 205	Physical Geology	ENG 200	3
MTT 102	Calculus I	MTT 101 or Math Placement Test	3
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	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Laboratory	MTT 102 + PHY 102 (Co)	1
PHY 201	Physics and Engineering Applications II	PHY 102	3
PHY 201 L	Physics and Engineering Applications II Laboratory	PHY 102 + PHY 201 (Co)	1



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 (Co)	3
CIV 201	Statics	PHY 102	3
CIV 205	Introduction to Geomatics	MTT 102 + STT 100 + CIV 104	3
CIV 206	Mechanics of Materials	CIV 201	3
CIV 242	Fluid Mechanics	CIV 201 + MTT 200	3
CIV 242 L	Fluid Mechanics Laboratory	No Prerequisite CIV 242 (Co)	1
CIV 313	Construction Materials	CIV 206 + CHE 205	3
CIV 313 L	Construction Materials Laboratory	No Prerequisite CIV 313 (Co)	1
CIV 314	Structural Analysis	CIV 206	3
CIV 316	Structural Systems	CIV 314	3
CIV 318	Reinforced Concrete Design I	CIV 314 + CIV 313	3
CIV 324	Geotechnical Engineering	CIV 206 + GOL 205 (Co)	3
CIV 324 L	Geotechnical Engineering Laboratory	No Prerequisite CIV 324 (Co)	1
CIV 331	Highway Engineering	CIV 205	3
CIV 332	Fundamentals of Transportation Engineering	CIV 205	3
CIV 343	Hydraulics	CIV 242 + CIV 401	3
CIV 352	Fundamentals of Environmental Engineering	CHE 205 + CIV 242	3
CIV 362	Construction Management	ENG 200	3
CIV 399	Internship	105 Credit Hours	3
CIV 401	Numerical Methods	MTT 205 + MTT 204	3
CIV 413	Structural Steel Design	CIV 314	3
CIV 421	Foundation Engineering	CIV 324	3
CIV 442	Hydrology and Urban Water Systems	CIV 343	3
CIV 497	Civil Engineering Project I	Senior Status	2
CIV 498	Civil Engineering Project II	CIV 497	2



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

Open Electives

3 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
OE1	Open Elective I	-	3



Bachelor of Science in Civil Engineering Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTT 102	Calculus I	3	MTT 101 or Math Placement Test
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 + UNS 100
	CIV 102	Computer Aided Drawing	3	No Prerequisite
	CIV 104	Introduction to Civil Engineering	3	MTT 102 + ENG 200 (Co)
	MTT 200	Calculus II	3	MTT 102
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			19	



Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	CHE 205	General Chemistry I	3	ENG 200
	CHE 201 L	Chemistry Laboratory	1	ENG 200 + CHE 205 (Co)
	CIV 201	Statics	3	PHY 102
	CIV 205	Introduction to Geomatics	3	MTT 102 + STT 100 + CIV 104
	MTT 201	Calculus III	3	MTT 200
	PHY 201	Physics and Engineering Applications II	3	PHY 102
	PHY 201 L	Physics and Engineering Applications II Laboratory	1	PHY 102 + PHY 201 (Co)
Total Credit Hours			17	
Spring (Semester 4)	CIV 206	Mechanics of Materials	3	CIV 201
	GOL 205	Physical Geology	3	ENG 200
	GEN 200	Engineering Economy	3	ENG 200 + MTT 102
	ENG 201	Business and Technical Communications	3	ENG 200
	MTT 204	Introduction to Linear Algebra	3	MTT 200
	MTT 205	Differential Equations	3	MTT 200
Total Credit Hours			18	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	CIV 313	Construction Materials	3	CIV 206 + CHE 205
	CIV 313 L	Construction Materials Laboratory	1	CIV 313 (Co)
	CIV 314	Structural Analysis	3	CIV 206
	CIV 242	Fluid Mechanics	3	CIV 201 + MTT 200
	CIV 242 L	Fluid Mechanics Laboratory	1	CIV 242 (Co)
	CIV 362	Construction Management	3	ENG 200
	CIV 401	Numerical Methods	3	MTT 204 + MTT 205
Total Credit Hours			17	
Spring (Semester 6)	CIV 316	Structural Systems	3	CIV 314
	CIV 318	Reinforced Concrete Design I	3	CIV 314 + CIV 313
	CIV 324	Geotechnical Engineering	3	CIV 206 + GOL 205 (Co)
	CIV 324 L	Geotechnical Engineering Laboratory	1	CIV 324 (Co)
	CIV 332	Fundamentals of Transportation Engineering	3	CIV 205
	CIV 352	Fundamentals of Environmental Engineering	3	CHE 205 + CIV 242
	CIV 343	Hydraulics	3	CIV 242 + CIV 401
Total Credit Hours			19	
Summer Semester	CIV 399	Internship	3	Completing 105 Credit Hours

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	CIV 331	Highway Engineering	3	CIV 205
	CIV 413	Structural Steel Design	3	CIV 314
	CIV 421	Foundation Engineering	3	CIV 324
	CIV 442	Hydrology and Urban Water Systems	3	CIV 343
	CIV 497	Civil Engineering Project I	2	Senior Status
	ME1	Major Elective I	3	-
Total Credit Hours			17	
Spring (Semester 8)	CIV 402	Engineering Ethics	3	Senior Status
	OE	Open Elective	3	-
	CIV 498	Civil Engineering Project II	2	CIV 497
	ME2	Major Elective II	3	-
	PSY 201	General Psychology	3	UNS 100 + ENG 100
Total Credit Hours			14	



BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Introduction

Computer Engineering involves the design and analysis of computer hardware and software. They usually apply the theories and principles of science and mathematics to design hardware, software, networks, databases, and processes to solve technical problems. Although their work emphasizes the application of theory, computer engineers are also involved in building prototypes. They often work as part of a team that designs new computing devices or computer-related equipment, systems, or software.

Computer hardware engineers usually design, develop, test, and supervise the manufacturing of computer hardware such as chips or device controllers. They must possess strong programming skills and combine it with the basic hardware knowledge and experience of Electrical Engineers. Software engineers, on the other hand, can be involved in the design and development of software systems for control and automation of manufacturing, business, and management processes.

They may research, design, and test operating system software, compilers and distributed software over the network. They also analyze users' needs and design, create, and modify general computer applications software or specialized utility programs. Some software engineers develop both packaged and systems software or create customized software applications for clients.

The computer 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), the Computer Society (IEEE-CS), the Association for Information Technology Professionals (AITP), and the Accreditation Board for Engineering and Technology (ABET). This ensures that the graduates of the program will be uniquely qualified to design, analyze, and test wide-ranging solutions for state-of-the-art digital electronic and computer systems and software applications.





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 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:

- a. Apply knowledge of mathematics (including probability, statistics and discrete math), science, and engineering.
- b. Design and conduct experiments, as well as to analyze and interpret data.
- c. 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. Function in a team.
- e. Identify, formulate, and solve engineering problems.
- f. Demonstrate an understanding of professional and ethical responsibilities.
- g. Communicate effectively.
- h. Acquire the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- i. Recognize the need for, and an ability to engage in life-long learning.
- j. Demonstrate knowledge of contemporary issues.
- k. Use the techniques, skills, and modern engineering tools necessary for engineering practice.
- l. Design, implement, and test computer hardware.
- m. Develop firmware and program embedded systems.
- n. Demonstrate proficiency in high-level and low-level programming languages.

Curriculum

Total Credit Hours: 134

University Requirements	27 credit hours
Degree Requirements	50 credit hours
Major Requirements	42 credit hours
Major Electives	9 credit hours
Open Electives	6 credit hours



University Requirements

27 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3

Degree Requirements

50 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
CEN 200	Introduction to Electrical and Computer Engineering Professions	MTT 101 or Higher	3
CIV 402	Engineering Ethics	Senior Level	3
CSC 201	Structured Programming	MTT 101 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
MTT 102	Calculus I	MTT 101 or Math Placement Test	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	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Laboratory	MTT 102 + PHY 102 (Co)	1
PHY 201	Physics and Engineering Applications II	PHY 102	3
PHY 201 L	Physics and Engineering Applications II Laboratory	PHY 102 + PHY 201 (Co)	1
STT 201	Intermediate Statistics and Research Methods	STT 100	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
CEN 305	Microprocessors and Firmware Programming	CSC 201	3
CEN 320	Signals and Systems	MTT 205	3
CEN 399	Internship in Computer Engineering	90 Credit Hours or more	3
CEN 405	Embedded Networks	CEN 305 + CSC 305 (Co)	3
CEN 415	Embedded Linux System Design	CEN 405 + CSC 308 (Co)	3
CEN 450	Design Project	Senior Level	3
CEN 464	Digital Signal Processing	CEN 320	3
CEN 466	Advanced Digital System Design	CSC 303	3
CSC 304	Microprocessor Architecture and Assembly Language	CSC 303	3
CSC 308	Operating Systems	CSC 301	3
CSC 311	Java Programming for the Internet	CSC 201	3
CSC 408	Computer Networks and Distributed Systems	CSC 305	3

Major Electives

9 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



List of Major Electives/Themes				
Themes options	Course Code	Course Title	Prerequisite(s)	Credit Hours
Software Engineering	ITE 305	Systems Analysis and Design	CSC 202	3
	CSC 401	Software Engineering I	ITE 305	3
	CSC 402	Software Engineering II	CSC 401	3
Systems Design	CEN 310	Computer Interface	CSC 202 + CSC 303 + CEN 201	3
	CEN 401	Computer Measurement and Instrumentation	CEN 305 + CEN 320	3
	CEN 460	Control Systems Design in Computer Control and Real Time Programming	CSC 303 + CSC 304 + MTT 201	3
	CEN 468	Computer Organization and Design	CSC 304	3
Networking	CIS 408	Distributed Information Systems	CSC 305	3
	ITE 402	Computer Networks Design and Implementation	CSC 305	3
	ITE 408	Information Security	CSC 305	3
Database Systems	CIS 401	Advanced Database Management Systems	CSC 302	3
	CIS 404	Data Warehousing and Data Mining	CSC 302	3
	CIS 408	Distributed Information Systems	CSC 305	3
	CSC 302	Database Management Systems	MTT 202	3

*To satisfy the requirements of a Theme, at least (3) three courses must be taken from the same theme.

Open Electives

6 Credit Hours

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



Bachelor of Science in Computer Engineering Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	MTT 102	Calculus I	3	MTT 101 or Math Placement Test
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	STT 100	General Statistics	3	UNS 100 + ENG 100
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 + UNS 100
	CEN 200	Introduction to Electrical & Computer Eng.	3	MTT 101 or higher
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MTT 200	Calculus II	3	MTT 102
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
Total Credit Hours			16	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	CSC 201	Structured Programming	3	MTT 101 or Higher
	CSC 303	Digital Logic Design	3	CEN 200
	MTT 201	Calculus III	3	MTT 200
	PHY 201	Physics and Engineering Applications II	3	PHY 102
	PHY 201 L	Physics and Engineering Applications II Laboratory	1	PHY 102 + PHY 201 (Co)
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			16	
Spring (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
	CEN 305	Microprocessors and Firmware Programming	3	CSC 201
Total Credit Hours			18	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	CEN 320	Signals and Systems	3	MTT 205
	CSC 301	Data Structures and Algorithms	3	CSC 202
	CEN 305	Microprocessors & Firmware Programming	3	CSC 201
	CSC 305	Data Communications and Networks	3	Junior Level
	ENG 201	Business and Technical Communications	3	ENG 200
	OE1	Open Elective I	3	-
Total Credit Hours			18	
Spring (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	-
	OE 2	Open Elective I	3	-
Total Credit Hours			15	
Summer Semester	CEN 399	Internship in Computer Engineering	3	90 Credit Hours or more

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	CEN 304	Electronic Devices and Circuits	3	CEN 201
	CEN 405	Embedded Networks	3	CEN 305 + CSC 305 (Co)
	CEN 466	Advanced Digital System Design	3	CSC 303
	ME 2	Major Elective II	3	-
	ME 3	Major Elective III	3	-
Total Credit Hours			15	
Spring (Semester 8)	CEN 415	Embedded Linux System Design	3	CEN 405 + CSC 308 (Co)
	CEN 450	Design Project	3	-
	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
Total Credit Hours			15	



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 challenging and rapidly advancing field that has a significant impact on shaping modern societies.

Electrical Engineering includes electronic and computer systems, control and electrical power systems, and telecommunications. 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.

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) and the Accreditation Board for Engineering Technology (ABET). 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 Objectives

The main objectives of the Electrical Engineering program are to:

1. Produce graduates with the knowledge and technical skills necessary to successfully practice electrical engineering and serve the public and/or private sectors in both national and international industries;
2. Produce graduates equipped with the technical skills needed to identify, formulate analyze, and solve/ design real-world electrical engineering problems/ systems, and to think creatively;
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 have commitment to life-long learning, professional development and achievement of professional licensure, and who demonstrate involvement in professional activities and public service through professional societies, journals, conferences and meetings.

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:

- a. Apply knowledge of mathematics, statistics, science, and engineering principles.
- b. Design and conduct laboratory experiments safely, as well as to critically analyze and interpret data.
- c. Design electrical components, systems or processes to meet desired specifications and imposed constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
- d. Function in a team.
- e. Identify, formulate, and solve problems encountered in the practice of electrical engineering.



- f. Demonstrate an understanding of professional and ethical responsibilities of an electrical engineer and how engineering solutions impact safety, economics, ethics, politics, and societal and cultural issues.
- g. Communicate effectively, orally and in writing.
- h. Demonstrate understanding of the impact of electrical engineering solutions in a global, economic, environmental, and societal context.
- i. Recognize the need for, and an ability to engage in, life-long learning.
- j. Demonstrate knowledge of contemporary issues.
- k. Use the techniques, skills, and modern engineering tools necessary for electrical engineering practice.

Curriculum

Total Credit Hours: 135

University Requirements	27 credit hours
Degree Requirements	39 credit hours
Major Requirements	51 credit hours
Major Electives	9 credit hours
Open Electives	9 credit hours

University Requirements

27 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3



Degree Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
CEN 200	Introduction to Electrical and Computer Engineering	MTT 101 or higher	3
CIV 402	Engineering Ethics	Senior Level	3
CSC 201	Structured Programming	MTT 101 or higher	3
GEN 200	Engineering Economy	ENG 200 + MTT 102	3
MTT 102	Calculus I	MTT 101 or Math Placement Test	3
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	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Lab	MTT 102 + PHY 102 (Co)	1
PHY 201	Physics and Engineering Applications II	PHY 102	3
PHY 201 L	Physics and Engineering Applications II Lab	PHY 102 + PHY 201 (Co)	1
CHE 205	General Chemistry I	ENG 200	3
CHE 201 L	Chemistry Laboratory	ENG 200 + CHE 205 (Co)	1

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 450	Design Project (Capstone)	Senior Level	3



Major Electives

9 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

List of Major Elective Courses				
Themes options	Course Code	Course Title	Prerequisite(s)	Credit Hours
Communication	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
Power Systems	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
Control and Automation	CEN 464	Digital Signal Processing	CEN 320	3
	EEN 463	Digital Control Systems	EEN 365	3
	CEN 401	Computer Measurement and Instrumentation	CEN 305 + CEN 320	3
	EEN 467	Industrial Automation	EEN 360 + EEN 365	3

*To satisfy the requirements of a Theme, at least (3) three courses must be taken from the same theme.

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 Science in Electrical Engineering Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	MTT 102	Calculus I	3	MTT 101 or Math Placement Test
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 + UNS 100
	CEN 200	Introduction to Electrical and Comp. Eng.	3	MTT 101 or higher
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
	MTT 200	Calculus II	3	MTT 102
	ISL 100	Islamic Culture	3	No Prerequisite
Total Credit Hours			16	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	CSC 201	Structured Programming	3	MTT 101 or Higher
	EEN 210	Digital Circuits	3	MTT 102 + CEN 200
	MTT 201	Calculus III	3	MTT 200
	CHE 205	General Chemistry I	3	ENG 200
	CHE 201 L	Chemistry Lab	1	ENG 200 + CHE 205 (Co)
	PHY 201	Physics and Engineering Applications II	3	PHY 102
	PHY 201 L	Physics and Engineering Applications II Lab	1	PHY 102 + PHY 201 (Co)
Total Credit Hours			17	
Spring (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
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			18	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	ENG 201	Business and Technical Communication	3	ENG 200
	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 (co) + MTT 205 + PHY 201
	CEN 305	Microprocessors and Firmware Programming	3	CSC 201
	PHY 201 L	Program Physics and Engineering Application II Lab	1	PHY 102 + PHY 201 (Co)
Total Credit Hours			18	
Spring (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
	EEN 365	Control Systems	3	MTT 204 + CEN 320
Total Credit Hours			18	
Summer Semester	EEN 399	Internship	3	90 Credit Hours

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	CSC 305	Data Communications and Networks	3	Junior Level
	EEN 336	Communication Systems	3	EEN 330 + EEN 335
	ME1	Major Elective I	3	-
	ME2	Major Elective II	3	-
	PSY 201	General Psychology	3	UNS 100 + ENG 100
Total Credit Hours			15	
Spring (Semester 8)	CIV 402	Engineering Ethics	3	Senior Level
	EEN 450	Design Project (Capstone)	3	Senior Level
	ME3	Major Elective III	3	-
	OE2	Open Elective II	3	-
	OE3	Open Elective III	3	-
Total Credit Hours			15	

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 completely compatible with the Accreditation Board for Engineering Technology (ABET). This ensures that graduates of the program will be uniquely qualified to design, analyze, integrate, and administer computing technology.

Program Mission

The educational mission of the Information Technology 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 knowledge and practices of Information Technology; who have the ability to analyze, evaluate, and design Information Technology 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 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:





1. To produce graduates with the necessary background and technical skills to effectively practice Information Technology in national or international industries serving the public or private sectors.
2. To produce graduates who think critically and are equipped with the necessary technical skills to identify, formulate, design, and analyze real world IT problems.
3. To prepare graduates for success in multidisciplinary professional practice with awareness and commitment to their ethical and social responsibilities, both as individuals and in team environments.
4. To produce graduate who have commitment to life-long learning and professional development, achievement of professional licensure, involvement in professional activities and public service through conference participation, professional societies committees, and journal publication.

Program Learning Outcomes

The B.Sc. IT program outcomes follow closely the ABET required 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.
- 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

University Requirements	33 credit hours
Degree Requirements	39 credit hours
Major Requirements	39 credit hours
Major Electives	12 credit hours
Open Electives	6 credit hours

University Requirements

33 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
NSC 201	Natural Sciences	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3



College Requirements

39 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 499	Capstone Project	90 credit-hours	6
MTT 202	Discrete Mathematics	MTT 101	3
STT 201	Intermediate Statistics and Research Methods	STT 100	3
MTT 102	Calculus I	MTT 101	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 308	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 I	-	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 308 + CSC 202	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



Bachelor of Science in Information Technology Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100	Communication Skills in Arabic I	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	ISL 100	Islamic Culture	3	No Prerequisite
	MTT 101	Mathematics for Science and Technology	3	MTG 100 or Math Placement Test
Total Credit Hours			15	
Spring (Semester 2)	MTT 202	Discrete Mathematics	3	MTT 101
	STT 100	General Statistics	3	No Prerequisite
	MTT 102	Calculus I	3	MTT 101
	ENG 200	English II	3	ENG 100 + UNS 100
	OE1	Open Elective I	3	-
Total Credit Hours			15	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	CSC 201	Structured Programming	3	MTT 101 or higher
	CSC 302	Database Management Systems	3	MTT 202
	STT 201	Intermediate Statistics and Research Methods	3	STT 100
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 4)	CSC 202	Object Oriented Programming	3	CSC 201
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	NSC 201	Natural Sciences	3	No Prerequisite
	CSC 307	Web design	3	CSC 201
	OE2	Open Elective II	3	-
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite (s)
Fall (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 (Semester 6)	CSC 308	Operating Systems	3	CSC 301
	ITE 402	Computer Networks Design and Implementation	3	CSC 305
	CSC 311	Java Programming for the Internet	3	CSC 201
	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 (Semester 7)	CSC 401	Software Engineering I	3	ITE 305
	ITE 409	Human Computer Interaction	3	Senior Level/Consent
	ITE 499	Capstone project (part I)	3	90 credits
	ITE 408	Information Security	3	CSC 305
	ME2	Major Elective II	3	-
Total Credit Hours			15	
Spring (Semester 8)	CIS 404	Data warehousing and Data Mining	3	CSC 302
	CIS 408	Distributed Information Systems	3	CSC 305 + CSC 308
	ITE 401	IT Project Management	3	Senior Level/Consent
	ITE 499	Capstone project (part II)	3	90 credits
	ME3	Major Elective III	3	-
	ME 4	Major Elective IV	3	-
Total Credit Hours			18	



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. Be knowledgeable 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. Exhibit a commitment to life-long learning and professional development, involvement in professional activity and public service, and achievement of professional licensure; and
 5. Reflect a 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.
- 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.

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



Curriculum

Total Credit Hours: 132

University Requirements	33 credit hours
Major Requirements	93 credit hours
Open Electives	6 credit hours

Credit Hours 33

University Requirements

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100	Islamic Culture	No Prerequisite	3
STT 100	General Statistics	No Prerequisite	3
MTT 101	Mathematics for Science and Technology	MTG 100/Math Placement Test	3
NSC 201	Natural Sciences	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
UNS 100	University Study Skills	No Prerequisite	3

Major Requirements

93 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
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
OPE 001	Open Elective I	-	3
OPE 002	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 582	3D Modeling	DES 210 or ARC 280	3
ARC 583	Building Information Modeling	DES 210 or ARC 280	3
ARC 590	Building Economics	IND 460 or ARC 340	3



Bachelor of Science in Interior Design Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	UNS 100	University Study Skills	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 (Semester 2)	STT 100	General Statistics	3	No Prerequisite
	ENG 200	English II	3	ENG 100 + UNS 100
	MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	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 (Semester 3)	IND 215	Interior Design Studio I	3	DES 120 + DES 130 + IND 100
	IND 235	Building Technology I	3	DES 120
	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
	ENG 201	Business and Technical Communications	3	ENG 200
Total Credit Hours			18	
Spring (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
Total Credit Hours			15	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (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
	OPE 001	Open Elective I	3	-
Total Credit Hours			15	
Spring (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
	NSC 201	Natural Sciences	3	No Prerequisite
Total Credit Hours			15	
Summer Semester	IND 399	Internship	3	90 Credit Hours + IND 390

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (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	-
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			15	
Spring (Semester 8)	IND 470	Graduation Project II	6	IND 430 + IND 415
	ISL 100	Islamic Culture	3	No Prerequisite
	PRE 002	Professional Elective 2	3	-
	OPE 002	Open Elective 2	3	-
Total Credit Hours			15	



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 developed according to the standards of the Accreditation Board for Engineering Technology (ABET). This ensures that graduates of the program 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:

- a. Apply knowledge of mathematics, science and engineering principles to mechanical engineering;
- b. Design and conduct laboratory experiments safely, as well as critically analyze and interpret data;
- c. Design/realize mechanical and thermal components, systems or processes to meet desired specifications and imposed constraints;
- d. Function in teams and in multidisciplinary teams;
- e. Identify, formulate, and solve problems encountered in the practice of mechanical engineering;
- f. Demonstrate understanding of the professional and ethical responsibility of a mechanical engineer and how engineering solutions impact safety, economics, ethics, politics, and societal and cultural issues;
- g. Communicate effectively, orally and in writing;
- h. Demonstrate an understanding of the impact of mechanical engineering solutions in a global, economic, environmental, and societal context;
- i. Recognize the need for and the ability to engage in life-long learning;
- j. Knowledge of current practices and contemporary issues in mechanical engineering; and
- k. Use and apply the techniques, skills, and modern engineering tools necessary for mechanical engineering practice.

Curriculum

Total Credit Hours: 135

University Requirements	27 credit hours
College Requirements	39 credit hours
Major Requirements	54 credit hours
Major Electives	9 credit hours
Open Electives	6 credit hours

University Requirements

27 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
ARL 100 (A)	Communication Skills in Arabic I	No Prerequisite	3
ENG 100	English I	TOEFL 500	3
ENG 200	English II	ENG 100 + UNS 100	3
ENG 201	Business and Technical Communications	ENG 200	3
ISL 100 (A)	Islamic Culture	No Prerequisite	3
PSY 201	General Psychology	UNS 100 + ENG 100	3
SOC 201	UAE and GCC Society	UNS 100 + ENG 100	3
STT 100	General Statistics	No Prerequisite	3
UNS 100	University Study Skills	No Prerequisite	3



College Requirements

39 Credit Hours

Course Code	Course Title	Prerequisite(s)	Credit Hours
MTT 102	Calculus I	MTT 101 or Math Placement Test	3
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	3
PHY 102	Physics and Engineering Applications I	MTT 102	3
PHY 102 L	Physics and Engineering Applications I Lab	MTT 102 + PHY 102 (co-requisite)	1
PHY 201	Physics and Engineering Applications II	PHY 102	3
PHY 201 L	Physics and Engineering Applications II Lab	PHY 102 + PHY 201 (co-requisite)	1
CHE 205	General Chemistry I	ENG 200	3
CHE 201 L	Chemistry Lab	ENG 200 + CHE 205 (co-requisite)	1
MEC 200	Introduction to Mechanical Engineering	MTT 102 + MEC 330 (co-requisite)	3
CSC 201	Structured Programming	MTT 102	3
GEN 200	Engineering Economy	ENG 200 + MTT 102	3
CIV 402	Engineering Ethics	Senior level	3



Major Requirements

54 Credit Hours

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 480	Mechanical Vibration	MEC 310 + MEC 410	3
MEC 499	Design Project (Capstone)	Senior Level	3

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
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
	**MEC 465	Numerical and Finite Element Simulation of Engineering Problem	MEC 302 + MEC 350 Co Req: 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 465	Numerical and Finite Element Simulation of Engineering Problem	MEC 302 + MEC 350 Co Req MEC 420	3
	MEC 474	Fracture & Fatigue Control in Design	MEC 450 Co Req MEC 465	3
Mechatronics	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
	**MEC 465	Numerical and Finite Element Simulation of Engineering Problem	MEC 302 + MEC 350 Co Req MEC 420	3
Aerospace	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
	**MEC 465	Numerical and Finite Element Simulation of Engineering Problem	MEC 302 + MEC 350 Co Req MEC 420	3

*To satisfy the requirements of a Theme, three courses must be taken. atleast 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



Bachelor of Science in Mechanical Engineering Study Plan

First Year (Freshman)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 1)	ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
	ENG 100	English I	3	TOEFL 500
	MTT 102	Calculus I	3	MTT 101 or Math Placement Test
	STT 100	General Statistics	3	No Prerequisite
	UNS 100	University Study Skills	3	No Prerequisite
	SOC 201	UAE and GCC Society	3	No Prerequisite
Total Credit Hours			18	
Spring (Semester 2)	ENG 200	English II	3	ENG 100 + UNS 100
	MEC 330	Computer and Aided Design	2	MEC 200 (co-requisite)
	MTT 200	Calculus II	3	MTT 102
	PHY 102	Physics and Engineering Applications I	3	MTT 102
	PHY 102 L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
	PSY 201	General Psychology	3	UNS 100 + ENG 100
	MEC 200	Introduction to Mechanical Engineering	3	MTT 102 + MEC 330 (co-Req)
Total Credit Hours			18	
Second Year (Sophomore)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 3)	ENG 201	Business and Technical Communications	3	ENG 200
	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 201 L	Physics and Engineering Applications II Lab	1	PHY102 + PHY 201 (Co)
	CHE 205	Chemistry	3	ENG 200
	CHE 201 L	Chemistry Lab	1	ENG 200 + CHE 205 (Co)
Total Credit Hours			17	
Spring (Semester 4)	CIV 201	Engineering Mechanics-Statics	3	MTT 102 + PHY 102
	ISL 100 (A)	Islamic Culture	3	No Prerequisite
	MEC 320	Thermodynamics I	3	PHY 102
	MEC 390	Electromechanical Devices	3	PHY 201
	MTT 205	Differential Equations	3	MTT 200
	MTT 204	Introduction to Linear Algebra	3	MTT 200
Total Credit Hours			18	



Third Year (Junior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 5)	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 300	Materials Science	3	CHE 205
	MEC 310	Dynamics	3	CIV 201 + MTT 204
Total Credit Hours			16	
Spring (Semester 6)	MEC 430	Machine Design	3	MEC 302 + MEC 330
	MEC 432	Design and Manufacturing Lab	1	MEC 430 (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
Total Credit Hours			14	
Summer Semester	MEC 399i	Internship	3	90 Credit Hours

Fourth Year (Senior)				
	Code	Title	Credit	Prerequisite(s)
Fall (Semester 7)	MEC 480	Mechanical Vibration	3	MEC 310 + MEC 410
	MEC 420	Heat Transfer	3	MEC 320 + MEC 350
	MEC 421	Thermal Engineering Lab	1	MEC 420 (Co-requisite)
	GEN 200	Engineering Economy	3	ENG 200 + MTT 102
	ME 1	Major Elective I	3	-
	ME 2	Major Elective I	3	-
Total Credit Hours			16	
Spring (Semester 8)	MEC 499	Design Project (Capstone)	3	Senior level
	CIV 402	Engineering Ethics	3	Senior level
	ME 3	Major Elective III	3	
	OE 2	Open Elective II	3	
	OE 3	Open Elective III	3	
Total Credit Hours			15	





MINORS AT Abu Dhabi University

College of Arts and Sciences

English Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
ENG 202	Readings in English Short Stories	ENG 200	3
ENG 204	Situational Conversation	ENG 200	3
ENG 206	English Grammar	ENG 200	3
ENG 208	Narration and Description	ENG 200	3
ENG 301	Expository and Report Writing	ENG 208	3
ENG 303	Introduction to the Study of Language	ENG 206	3
ENG 309	Introduction to English Literature	ENG 202	3

Note: Students must choose one from the last two courses.

College of Business Administration

Business Administration Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
MGT 200	Principles of Management	ENG 200	3
ACC 200	Principles of Accounting	ENG 200 + MTG 100 + ITE 100	3
MKT 200	Principles of Marketing	ENG 200	3
FIN 200	Principles of Finance	ACC 200	3
MIS 200	Introduction to Management Information Systems	ITE 100 + ENG 200	3
ECO 201	Principles of Microeconomics	ENG 200 + MTG 100	3

Note: COBA students are not eligible to take a minor in Business Administration.



Management Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
Select any 6 courses from the following:			
MGT 200	Principles of Management	ENG 200	3
MGT 301	Principles of Organizational Behavior	PSY 201 + MGT 200 + ENG 201	3
MGT 308	Operations Management	MGT 200 + co-requisite of BUS 204/BUS 200	3
HRM 313	Human Resource Management	MGT 200 + Co-requisite of MGT 301	3
MGT 314*	Entrepreneurship Management	MGT 301	3
MGT 321	Change Management	MGT 301	3
MGT 401*	Organizational Theory and Design	MGT 301	3
MGT 402*	International Business Management	MGT 200 + ECO 202	3
MGT 411*	Project Management	Co-requisite of BUS 306	3

Note: For BBA HRM major, students should take MGT314, MGT401, MGT402 and MGT411 to declare a minor in Management

Marketing Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
MKT 200	Principles of Marketing	ENG 200	3
MKT 301	Consumer Behavior	MKT 200 + ENG 201	3
MKT 404	Marketing Strategies	MKT 303 + MKT 304 + MKT 305	3
MKT 303	Retail Marketing	MKT 200	3
MKT 304	Marketing Communication	MKT 301	3
MKT 401	International Marketing	MKT 200 + ECO 202	3
MKT 402	Internet Marketing	MKT 200 + MIS 200	3
MKT 305	Marketing Research	MKT 200 + co requisite of BUS 204	3

Finance Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
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 401	Investment and Financial Policy	FIN 301	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 407	International Financial Management	ECO 202 + FIN 301	3



Accounting Minor			
Course Code	Course Title	Prerequisite(s)	Credit Hours
ACC 200	Principles of Financial Accounting	ENG 200 + MTG 100 + ITE 100	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

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
IND 315	Interior Design Studio III	IND 275 or ARC 250	3
IND 340	Interior Design Studio IV	IND 315 + IND 335	3
IND 415	Interior Design Studio V	IND 340 + Senior Status	3

Note: Only for Architecture Students



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	CMT200	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 CEN201: Electric Circuits for Mechanical Engineering Students
- MEC410: Control Systems replaces EEN365: Control Systems for Mechanical Engineering students
- Additional courses may be required as pre-requisites 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 + CEN200	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)	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 pre-requisites to the Minor courses





CODE OF CONDUCT

The Student Support Services unit fosters Abu Dhabi University community to be an environment of respect, integrity, and awareness. It promotes good behavior among students by educating and implementing the student code of conduct which creates a safe and healthy environment for Abu Dhabi University community.

Emergency Clause

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 Services, who will process such charges in accordance with the Student Code of Conduct.

Abu Dhabi University Expectations

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 Services, who will process such charges in accordance with the Student Code of Conduct.

Abu Dhabi University Expectations

Abu Dhabi University is committed to being an academic community. This includes care, cooperation and an adherence to standards of behavior for all who are part of this community. In order 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.
3. Academic integrity and honesty are basic values of the university. Students and student organizations are expected to follow the Student Code of Conduct, Standards of Academic Integrity and Honesty listed in Abu Dhabi University's Student Academic Integrity Policy.
4. Abu Dhabi University campus, its grounds, facilities and equipment are provisions for students of Abu Dhabi University. Students and student organizations are expected to respect and use them responsibly. This includes the use of the library, residence halls, classroom buildings, laboratories, and the campus as a whole.

Academic Integrity

The Academic Integrity Policy (AIP) establishes a 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 Violations and the consequences resulting from such violations.



I. Academic Integrity 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. Students failing 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 source 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.

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.

C. Fabrication of Data

Fabrication 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 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. Falsely claiming 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 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 Academic Integrity Violations

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 academic integrity. 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 Administrative Withdrawals (WA) 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.

Student Rights and Responsibilities

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:

1. 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;
2. Present his/her version of the events in question;
3. 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);
4. Have witnesses who present information on his/her behalf;
5. Question any statements or witnesses presented;
6. Challenge the objectivity of the hearing body in case of conflict of interest; and
7. 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;
12. Possessing fireworks, firearms, weapons or other explosive devices;
13. Threatening or causing physical or mental harm to others;
14. Harassing or causing a hostile environment within the university community;
15. 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
 - g. violating the terms of a conduct sanction
16. Misusing or stealing university documents;
17. Violating the student notice posting policy;
18. Petitioning to change decisions made by Official University personnel;
19. Assisting or inciting others to violate the Student Code of Conduct;
20. Littering and inappropriate disposal of refuse;
21. Demonstrating within or outside of the university;
22. Contacting media (includes but not limited to news, radio, newspaper or television) without prior approval from University Management;
23. Printing or releasing any information about the university without prior permission from the Office of Student Support Services;
24. Not providing security guards with personal identification and appropriate documentation when requested;
25. Insulting or disrespecting a university faculty or staff member; and
26. Physically attacking university faculty, staff, visitors, or fellow students.

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.

For Male students:

1. Shorts are not allowed unless for sports activities.
2. Tight or revealing shirts/tops.
3. Shirts with inappropriate logos or sayings.
4. Sleeveless shirts.
5. Tight or transparent pants.



For Female students:

1. Shorts are not allowed unless for sports activities.
2. Tight or revealing shirts/tops.
3. Shirts with inappropriate logos or sayings.
4. Tight or transparent pants.
5. Midriff and halter tops.
6. Sleeveless shirts.
7. Tights or leggings.
8. Face covers (that obstruct identity).
9. Skirts above the knee.

Smoking

Smoking is not permitted in any University premises, public spaces and hallways of residences owned and managed by ADU at any time, by any person regardless of their status or business in the University.

1. All building entrances will be non-smoking areas;
2. Smoking will only be permitted in designated areas which are clearly signposted;
3. "No Smoking" signs will be posted at all entrances and at appropriate locations by the Office of Safety & Security;
4. 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 personal 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 in accordance with 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 the purpose of 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 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 which addresses 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 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.

Student Suggestions/Complaints

Abu Dhabi University is committed to creating a student-centered learning environment conducive to intellectual and personal growth of students, thus we highly encourage you to use the Suggestions and Complaints channel to voice out any issues or suggestions you may have. If you wish to give us suggestion or want us to address your grievance, please use any of the following:

1. Call the Toll Free Helpline number of the University (80023968) and lodge your complaint;
 2. Email us at complaints@adu.ac.ae;
 3. Download the Suggestions/Complaints form from www.adu.ac.ae and submit it to the Suggestions/Complaints section.
 4. Visit Abu Dhabi University Students Suggestions/Complaints section:
 - Abu Dhabi Campus through the Office of the Registrar.
 - Al Ain Campus through the Office of Student Affairs.
- Once you lodge your complaint, you will receive acknowledgement by SMS or email and subsequent tracking and progress concerning your complaint till the case is resolved to your satisfaction. Please note that all our email correspondences will be through your Abu Dhabi University Email ID. If you still do not have your Abu Dhabi University Email ID
- Our target to close a student suggestion or complaint is 8 working days.
- Your suggestion or complaint will be dealt by the college dean or department head.

Notification and Information Gathering

1. Reports of alleged violation of the Student Code of Conduct shall be reviewed by the Office of Student Support Services for possible administrative action.
2. The Office of Student Support Services 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 Office of Student Support Services will gather information relevant to any complaint indicating that Student Code of Conduct violation may have occurred. The designated official from the Office of Student Support Services 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 Office of Student Support Services will decide whether to dismiss the charge, or make a recommendation to the Head of Student Support Services for conduct action.
 - a. if the complaint is dismissed, the Office of Student Support Services will notify the charged student/organization of the decision.



- b. if the charges are to be forwarded for conduct action, the Office of Student Support Services will notify all concerned persons and outline the appropriate procedures to be followed.
6. If the charges against the student concerned result in suspension or expulsion, the parents of the student may be contacted and notified of the hearing at least seven (7) calendar days in advance.
7. Mediated Conduct Agreements. In certain conduct cases involving both a charged student and another disputant, the Office of Student Support Services may recommend that the case be 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 Office of Student Support Services must approve all agreements.
 - c. if a mutual agreement is reached, it must be signed by all parties and a copy kept by the Office of Student Support Services until all terms and conditions of the agreement have been fulfilled.
 - d. if a mutual agreement cannot be reached, the case will be referred to the Office of Student Support Services for resolution. If the Office of Student Support Services calls for a hearing, no information disclosed at the mediation session may be provided in the hearing.
2. All hearings are closed unless the charged student/organization requests an open hearing and the Head of Student Support Services 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 on the basis of whether there is a preponderance of the evidence that the charged student/organization violated the Student Code of Conduct.
5. The complainant and the charged student/organization have the right to be assisted by any advisor or representative they choose, at their own expense. The complainant and charged student/organization are responsible for presenting their own information, and therefore, advisors or representatives are not permitted to speak or to participate directly in 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 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 notice, does not appear for a formal hearing, the information in support of the charges shall still be presented and considered.
8. An audio and or video recording will be made of the hearing for the purpose of review by an appeal panel.
9. 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 Services or designee within seven (7) calendar days after the close of the hearing.
10. The Head of Student Support Services 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/or
 - c. impose a greater or lesser sanction than was recommended.
11. The Head of Student Support Services shall submit a written decision within seven (7) calendar days

Disciplinary Committee

The University Disciplinary Committee will consist of the Provost, concerned College Dean, Registrar and the Head of Student Support Services or their appropriate representatives.

Hearing Procedures

The Office of Student Support Services 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, the advisor or representative if any, and the Office of Student Support Services have the right to examine any supporting documents to be presented at the hearing at least seven (7) calendar days prior to the hearing.



after the receipt of the findings and recommended sanctions. The Head of Student Support Services shall inform the students of the decision made.

12. 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:

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 Services 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 three (3) members, and shall include at least one (1) faculty, one (1) staff and one (1) student.
 - a. members of the Appeal Panel shall be drawn from a pool of faculty, staff and students who have completed the approved hearing training.
 - b. members of the appeal panel shall elect their own chair.
4. Appeals shall be filed within three (3) calendar days from receipt of the written decision. The Head of Student Support Services 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 Panel shall submit the recommendation to the Head of Student Support Services within seven (7) calendar days following the appeal.
7. The Head of Student Support Services shall send copies of the Appeal Panel recommendation, as well as copies of the decision to the vice-chancellor for approval of the final decision within seven (7) calendar days after the appeal panel meeting.

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. Reprimand is an official written notification of unacceptable behavior and violation of the Student Code of Conduct. Any student having record of violating the Student Code of Conduct will automatically be removed from the 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 of time. 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. Suspension is the loss of privileges of enrollment at Abu Dhabi University for a designated period of time. 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.
4. 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 permanent revocation of university recognition.

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/or 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 Services 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 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/or 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 are 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 on the basis of 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 sport 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 in accordance with 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/or 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 acting in compliance with those policies/procedures.

The Head of Student Support Services 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 Services 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:
 - a. the Provost, or designee, who will serve as a voting Chair.
 - b. the Dean, or nominee, from each College
 - c. 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 Services 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 in order to discuss the case in detail and make decisions. Decisions will be made on the basis of 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 Services Department.
- A grievance must be submitted to SGC via the Student Support Services Department within two weeks of the day in which the event allegedly took place.
- The Student Support Services Department 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.
- In the event that an SGC member declares or discovers a conflict of interest during proceedings, or a conflict of interest involving a 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 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 Services or the designee, and filed by the Head of Student Support Services Department.



COURSE DESCRIPTIONS

University College

ARL 100 - Communication Skills in Arabic I

Credit Hours: 3

Prerequisite: None

The course focuses on teaching the four language skills: reading, writing, speaking and listening. It enables the student to understand and produce different types of essays using various writing techniques in Arabic. It also enables students to show literary appreciation and demonstrate effective communication.

ARL 105 - Communication Skills in Arabic II

Credit Hours: 3

Prerequisite: ARL 100

The course deals with the advanced skills: reading, writing, speaking, and listening. understanding and analyzing the content, analyzing various types of articles (scientific, journalistic, literary), articulating words according to their correct functions in the context, practicing the art of dialogue, persuasion, and opinion defense, and following various models of linguistic and functional styles. It also enables students to recognize and produce linguistic, stylistic, and technical writing forms in Standard Arabic. The course focuses on some modern literary genres such as news report, book review, anecdote, and short story. The focus is on major stylistic, rhetorical, and thematic characteristics through analysis of representative Arabic texts.

ENG 100 - English I

Credit Hours: 3

Prerequisite: None

This course provides instruction and practice in university level writing skills for freshmen. It

enables them to write standard academic essays with clear thesis statements and supporting/body paragraphs. The course strengthens and highlights their proficiency in grammar and sentence structure. Students are encouraged to become independent learners, capable of exploring the reading and writing process.

ENG 200 - English II

Credit Hours: 3

Prerequisite: ENG 100 & UNS 100

The course deals with 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 will involve extensive drafting and redrafting with individual input and tutorials from the course instructors. Students will also practice writing under pressure. An important component of the course will be a research project where students research and write on a topic related to their field of study or area of personal interest.

ENG 201 - Business and Technical Communication

Credit Hours: 3

Prerequisite: ENG 200

A course that introduces students to the basic principles, techniques, and skills needed to conduct technical and business writing and oral presentations with emphasis on writing for the workplace. It emphasizes also on the basic research tools to help them prepare workplace documents and enhance their writing skills.



ISL 100 - Islamic Culture

Credit Hours: 3

Prerequisite: None

The course deals with various topics on Islamic culture with an emphasis on the general trends and fundamental issues of Islamic thought and civilization. The course covers issues such as faith, legislation, and worship, ethical, social, economic and political practices. The course also addresses the issue of how Islamic values and traditions are expressed in Islamic civilization. In addition, it addresses the problems and challenges faced by Muslim societies in contemporary world. Hence, this is a basic course in building an intellectual framework for understanding Islam.

ITE 100 - Introduction to Information Technology Applications

Credit Hours: 3

Prerequisite: None

A course introduces the basic concepts of computers. Topics will include basic computer components, the relationship between hardware, operating systems and other software, application software, presentation software, spreadsheets software and database software. In this course, students will learn the concepts and theory of information technology which will allow them to comfortably operate in an information society. Basically, this course is practical and students will work in a PC laboratory to fulfill the requirements of the practical work and will be exposed to a variety of standard PC software packages to enable them to do data analysis (with Excel software), professional presentations (with PowerPoint software) and store and retrieve information from databases (with Access software).

MTG 100 - College Mathematics

Credit Hours: 3

Prerequisite: None

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 - Mathematics for Science & Technology

Credit Hours: 3

Prerequisite: MTG 100/Math

Placement Test

A course that provides students with background of mathematical skills essential for progression to the study of Calculus and further engineering mathematics. Topics include the review of Basic Algebra; Linear, Quadratic, Exponential, and Logarithmic functions and equations (Analysis and graphs). It also includes the studying of Trigonometric Functions and equations (including graphs and their inverses). The course defines the polar coordinates as well as the complex numbers and explains in details the system of equations and the use of Matrices and Determinants to solve it.

MTT 102 - Calculus 1

Credit Hours: 3

Prerequisite: MTT 101 or Math

Placement Test

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 and applications of limits, continuity, derivatives, anti-derivatives, definite integrals and applications. Students will also be exposed to applications such as curve sketching, optimization problems, area and volumes.

NSC 201 - Natural Science

Credit Hours: 3

Prerequisite: None

This course covers the latest knowledge in natural sciences which assist students to understand the profound changes in their society. It provides students with the fundamentals of biological, physical and chemical basis of life as well as the basic principles of environmental science. It introduces the students to the basic concepts of cellular biology, biotechnology and nutrition. It discusses the local and global environmental issues. In addition, the course addresses the physical laws and principles, the nature of matter and its application in relevant to the everyday life.

PHI 300 - Professional Ethics

Credit Hours: 3

Prerequisite: ENG 200

The course provides an introduction to philosophical study of ethics in various professions. It describes an overview of some of the crucial questions regarding morality in professional settings and provides systematic procedures for answering questions about what is right and what is wrong, what is acceptable and what is unacceptable in those settings. It also develops the ability to consider how this different point of views might provide us with guidance on number of ethical and moral issues. The course is designed to assist students in developing the abilities to understand, discuss debate, analyze, and evaluate ethical issues in various organization settings. Students will learn to apply and express their view points about their own ethical stands and think critically and analytically about ethical dilemmas in various professions.

PSY 201 - General Psychology

Credit Hours: 3

Prerequisite: ENG 100 + UNS 100

The course provides a broad introduction to the field of



psychology in its current form as the scientific study of behavior and mental processes subject to environmental influences. The scope of this course includes basic psychological concepts underlying human behavior in such areas as cognition, personal and social behaviors.

SOC 201 - UAE and GCC Society

Credit Hours: 3

Prerequisite: ENG 100 & UNS 100

This is an analytical course that provides a strong base for UAE and GCC Society in terms of its culture and history; in addition to its social, economic, environmental and political development. This course is designed to promote self-awareness of cultural stability and building a strong understanding of their own society and culture as well as the society and culture of others. In addition, this course is designed to give students the main concept of culture, skills and familiarity to inspire and create independent thinking that assists them to clarify and outline pattern of behavior, develop problem-solving techniques, and make contribution to the society.

STT 100 - General Statistics

Credit Hours: 3

Prerequisite: None

This course is designed to enable the students to understand important concepts in general statistics. It will contain basic and essential topics such as descriptive statistics, probability, and binomial and normal distributions. The course will focus on the importance of different types of statistics and their application in life.

UNS 100 - University Study Skills

Credit Hours: 3

Prerequisite: None

The course is designed to help freshmen to adapt to the university environment and develop a better understanding of the essential academic skills such as self-

management, presentation, cognitive enhancement, study management, understanding of research techniques and problem solving ability. Those skills which are trained in this course are vital to the academic learning process. They also learn to improve and overcome their weaknesses in academic life and to promote an environment where they are recognized for having high levels of integrity which is an indispensable part of their personal and intellectual growth. Students who come from multicultural backgrounds are given opportunities to discover and practice many procedures and techniques for their overall personal and academic enhancement.



College of Arts and Sciences

Bachelor of Arts in Arts Culture and Heritage Management

Degree Requirements

ASC 301 Research Report Writing

Credit Hour: 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.

ACC 200 Principles of Financial Accounting

Credit Hour: 3

Prerequisite: ENG 200 + MTB 101

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 involve 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 rather than prepares of accounting information.

This course assumes no prior accounting knowledge.

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.

MGT 200 Principles of Management

Credit Hour: 3

Prerequisite: ENG 200

This course develops a critical understanding of the major functions of management including planning, organizing, leading/interpersonal influence, and controlling in both domestic and international spheres. The course establishes a management context in terms of organization culture and environment and extends this context on global terms. Each managerial function is examined in detail in terms of concept and application. Definitions are applied in case situations and management dilemmas are examined and resolutions tested. The key management functions are related to the notion of an entrepreneurial venture giving the course a specific relevance to an enterprise and dynamic business community. Students should gain an insight into managerial functions and develop sufficient skills to utilize them in real time situations.

An introduction to the academic standards of paper presentation and referencing is also provided in this course with the inclusion of an individual assignment which concentrates on attention to detail in those areas. This knowledge should assist the students throughout their academic career and will also be useful in the workforce.

ECO 202 Principles of Macroeconomics

Credit Hour: 3

Prerequisite: ENG 200 + MTB 101

Macroeconomic Analysis and Applications 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.

MGT 301 Organizational Behavior

Credit Hour: 3

Prerequisite: MGT 200 + PSY 201

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. Individual learning, 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. Group behavior is examined using the early Hawthorne studies and considering the impact of work teams on effective work design. 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 314 Entrepreneurship Management

Credit Hour: 3
Prerequisite: MGT 301

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.

HRM 313 Human Resource Management

Credit Hour: 3
Prerequisite: 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 402 International Business Management

Credit Hour: 3
Prerequisite: MGT 200 + 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.

MMC 201 Introduction to Mass Communication

Credit Hour: 3
Prerequisite: 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.

MAC 201 Intercultural Communication

Credit Hour: 3
Prerequisite: ENG 200

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 316 Communication and Diplomacy

Credit Hour: 3
Prerequisite: 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 317 Public Speaking

Credit Hour: 3
Prerequisite: MMC 201

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

Major Requirements

CHM 200 Definitions of Culture: Creating a Personal Aesthetic

Credit Hour: 3
Prerequisite: Co-Requisite ENG 200

Completed partly on a distance basis, complemented by face to face



contact with the tutor in groups and on-line support, this course serves as an introduction to the subject matter and professional practice associated with Arts, Culture and Heritage Management. 'Creating a Personal Aesthetic' will enable students to articulate an individual aesthetic position as preparation for embarking on specialized CHM courses, serving as a foundation for the Major and preparing students for eventual careers in the creative industries. Students will record their ideas in a Personal Development Plan (PDP), a digital document maintained over the entire program that students will constantly update with new information and ideas, showing original perspectives and a creative interest in the subject area.

CHM 202 Cultural Heritage of the Gulf and the Muslim World

Credit Hour: 3

Prerequisite: CHM 200 + ISL 100

In this introductory course, students will build on their discoveries in pre-requisite course CHM 201 and other appropriate courses and apply the skills, knowledge and vocabulary they have acquired to the study of Gulf, Arab and Muslim culture and heritage, starting with a study of the Gulf, then gradually widening the scope to embrace a landscape that stretches from Morocco to Afghanistan. Focusing on specific locations with strong cultural identities impacted by Imperialism, colonization, conflict or other agencies examples will be considered in the context of heritage and culture. Students will reach conclusions about the contexts in which culture is 'produced', and also about the ways that it is interpreted, viewed and 'consumed'.

CHM 204 Islamic Arts and Material Culture

Credit Hour: 3

Prerequisite: CHM 200 + ISL 100

This survey course offers students the opportunity to acquire sound

introductory knowledge of the forms, functions and meaning of a wide range of works of art, designed objects, architecture and gardens drawn from across the Islamic world. Emphasis will be placed first on understanding the importance of Islamic belief in Allah as the Creator of all things and an understanding of the ways in which artists, architects, calligraphers, carpet weavers, ceramicists and others have ensured that their work glorifies Allah, and transmits the teachings of His Holy Prophet Muhammad, Peace be Upon Him.

In addition, in the context of the disciplines of both art history and cultural resource management, the course will follow a broadly chronological outline and will examine both works of art themselves as well as the context in which Islamic art is presented in museums and galleries in the UAE and beyond.

Students will gain confidence in visual analysis, understanding not just what Islamic art objects communicate in terms of meaning, but why they take particular forms at different points in time or space. Significantly, students will gain a deeper understanding of the extremely important influence of Islamic art on other cultural practices, especially in the west.

CHM 206 Contemporary culture: Exploring Identity and the Cultural Industries of the Gulf

Credit Hour: 3

Prerequisite: SOC 201

The contemporary culture of the Gulf will be the focus for this course which enables students to build both a personal and a negotiated shared understanding of what constitutes the 'contemporary culture' of the Gulf region. The course will begin with a dynamic and free-flowing discussion drawing on earlier work undertaken in pre-requisite course CHM 201. Students will be challenged to answer the question 'what is

culture?' in imaginative and creative ways. Thereafter, weeks 2 to 15 will be structured into two week blocks, with week (a) devoted to a tutor-led presentation on an aspect of 'culture', and week (b) devoted to student presentations in which, working in small groups, they will prepare personal Project Books and visual presentations which will demonstrate an over-view of contemporary culture as well as an original and creative sense of the interconnections and contrasts between Emirati and other cultures, in the GCC or beyond.

CHM 208 Introduction to Museum Studies

Credit Hour: 3

Prerequisite: CHM 200 + ISL 100

This course reflects the importance of the UAE's significant investment in cultural infrastructure including the introduction into Abu Dhabi of internationally recognized museum 'brands'. By exploring a series of professionally-oriented themes, students on this course will be able to develop a broad understanding of the major concerns involved in collecting and interpreting works of art, designed objects or other forms of cultural phenomena, including ephemera and objects or events that stand outside traditional classifications.

The course will include a series of 'Virtual Visits' to some of the world's greatest galleries and museums, looking at how the gallery tackles the issues raised in the lectures and discussions. In each case, relevance will be tested in the context of the UAE's cultural infrastructure.

CHM 300 International Arts and Culture in Galleries and Museums

Credit Hour: 3

Prerequisite: CHM 208 + MKT 200

This course introduces student to the study of art's history and also considers both the location where the work was made and originally displayed and where and how it is



shown now, thinking particularly about the relationship between the work as the artist saw it and how it is viewed by the contemporary audience.

The forms and meanings of works of art are shaped and informed by the artist's intention (what was the artist trying to do and say?) and also by the function of the work of art (what was it for?) and finally by the requirements of the patron (who was paying for it?). In an age when we think of artists as 'giving expression to their feelings', and visual language in the 20th century was often abstract, the notions of form, function and patron may be alien – but understood together they explain why works of art change in appearance and meaning throughout history.

CHM 301 Dialogues: Faith and Culture in Islamic and Western Societies and Religions

Credit Hour: 3
Prerequisite: CHM 204

This course brings together a number of themes, using the 'compare and contrast' methodology to enable students to identify, examine and consider both similarities and differences in the approach to the creation of a range of artifacts that are common to both Islamic and other cultures. These include the architecture of places of worship and areas for spiritual study and contemplation; copies of holy books; devotional objects, textiles appropriate for religious uses, metalwork etc.

In the second part of the course attention will focus on the domestic environment and daily experience of Muslim and other societies over an extended historical period, examining patterns of influence and interest.

CHM 303 Heritage Sites - Management and Interpretation

Credit Hour: 3
Prerequisite: CHM 300 + PSY 201 + MKT 200

The porous term 'heritage' refers to

monuments, artifacts, landscapes, buildings, people and events in which are embedded the values, identity, experience and ambitions of a particular location, group or nation. 'Heritage' can be manifest in a fragile object or a vast cityscape, in the tomb of an influential writer or thinker or a spectacular royal palace embodying power. Within Arab culture poetry, dance, song or oral traditions form part of the 'intangible heritage'. International heritage sites contribute to our understanding of human history and, when they relate to a particular geographical, political or cultural location or ethnic identity may be seen by governments and organizations to contribute to individual, local, community or national identity.

CHM 305 Cultural Diversity in the 20th and 21st Centuries

Credit Hour: 3
Prerequisite: CHM 300

In the history of humanity no century has shown more change more quickly in every field of human endeavor and experience than the 20th. The growth of cities, the development of mass means of communication and travel, and the transformation of experience brought about by scientific discoveries, the spread of a global culture via museums, galleries and international events (including World Exhibitions) the cinema, television and magazines, increasing prosperity and greater leisure time: all these social phenomena shaped, and were in turn transformed by painting, literature, music, and dance.

In the 21st century these changes have accelerated due to the internet, the spread of mobile technology and social media and we occupy a 21st century globalized world of communication, entertainment, fashion, interior design, performance and advertising.

This course will review the way that centres of contemporary art shift around the globe in the 20 and 21st

centuries, moving first from Paris to Milan, Moscow, Berlin and London. Around the mid century, the focus shifts to New York, and as the 'old empires' are transformed, new art communities emerge in which diverse ethnicities inform the arts. We will consider the post 1970s period and the emergence of a vibrant contemporary arts culture in the Gulf and Middle East and beyond to India and China. There will be a special study of the work and contribution of Abdul Qadr Al Raes and visits to the studios of contemporary artists and private collections.

CHM 307 Performing Arts, Performers and Audiences

Credit Hour: 3
Prerequisite: PSY 201 + MKT 200 + MGT 200

This survey course introduces students to the main musical, poetic and dance forms of Arab culture as well as exploring the theatre, music and dance forms of international culture, both western and eastern. Intended to allow students to become familiar with key aspects of performance and performers in different cultures and formats students will also think about issues such as audiences and marketing. The course will include discussion of the particular demands of conserving, curating and presenting aspects of intangible heritage in performance.

Each week, students will view a performance via dvd, podcasts, TV broadcast, or by attending a live performance or cinema where possible. This will be supported by introductory notes and handouts, and students will apply critical perspectives to issues such as casting, staging, set and costume design as well as 'management' issues such as marketing, reviews, audience reception, cultural significance, censorship and managing the performer.



CHM 400 Making and Performing: The Artist's Work

Credit Hour: 3

Prerequisite: 60 Credit hours

This course gives students 'hands on' experience of making, creating or performing within one of the creative disciplines covered on the course.

All students will be expected to undertake original and creative experiments in lens-based/digital media (digital photography, video/film) or in the field of 'sound art' (acousmatics, digital music, soundscapes etc). In addition they will also experiment and acquire core skills in one or more traditional media: drawing, painting, calligraphy, 3d construction or assemblage, book-making, ceramics or textiles. Students may combine any of these disciplines with an area of performance: song, recitation, poetry, dance, instrumental playing, depending on student interest. [Different disciplines/choices will be available on an annual basis and, by negotiation, students may apply to access teaching in a specialized discipline at a time other than the point in their program at which this course is offered.]

Students will have the chance to learn to 'think like an art student', reviewing a range of on-line materials showing how art students are taught and make work. They will underpin their course work with independent research presented in an artist's sketchbook and portfolio (some of which may be presented digitally) containing notes, preliminary ideas, source material including visual or audio references and printed or web based materials, photographs, personal narratives, material recorded on CDs or DVDs or a personal blog etc. They will also present up to five pieces of original art work in their chosen medium in an appropriate and professional way.

CHM 499 Cultural Resource Management: Professional Project

Credit Hour: 3

Prerequisite: 80 Crhs + GPA of 2.5

The Cultural Resource Management Professional case study requires students to spend up to 80 hours undertaking research and engaging in professional activities in association with an approved cultural organization in the UAE or beyond.

The focus will be a 'real life' project and will be completed via a 'virtual internship', designed to enable students unable during their program to travel away from home to experience professional practice in association with an international cultural organization or institution. Students may visit their 'virtual host' (subject to appropriate permissions being obtained) but this will not be essential.

This course will begin with an exercise in reflective practice focused on the PDP. Students will draw on their previous research and ideas recorded in the PDP to identify an individual 'virtual internship project'. With support from Abu Dhabi University faculty, students will identify as their project mentor an approved individual in the international professional world of the cultural industries who will support students in a professional way (ie not as a 'teacher').

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 305 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: PSY 201

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-requisite: 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

Co-requisite: ENG 200

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 302 Quantitative Data Analysis

Credit Hour: 3
Co-requisite: MAC 300

This course teaches students the most frequently used techniques of quantitative data analysis through SPSS application. It is the least painful statistical course for students without mathematical training. The purpose of this course is to train students to become consumers of statistical tools for the purpose of applied and theoretical research.

MAC 310 Mass Media Ethics and Responsibilities

Credit Hour: 3
Co-requisite: MAC 205

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: MMC 201

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 205

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 490 Senior Design Project (Capstone Course)

Credit Hour: 3
Prerequisite: 80 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: 100 Credit Hours + MAC 490

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 105

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: MMC 201

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 401 Media and Society

Credit Hours: 3
Prerequisite: MAC 310

This course introduces the historical background of different mass media from the telegraph to the internet. It emphasizes the strong correlation between media and society and the influences on each others. It elaborates the factors that affect individual choice of media contents and channels. The course discusses some issues related to the influence of media on society such as media violence and media imperialism and globalization.



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: MAC 313

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.

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-requisite: 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-requisite: 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-requisite: MAC 409

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.



Print Journalism Core Requirements

MAC 304 News Writing

Credit Hours: 3

Prerequisite: MMC 203

The students will know how to gather information using the Internet, and computerized public records. Besides learning traditional reporting skills, they will learn how to access electronic archives and how to report the news in print media.

MAC 308 Photojournalism

Credit Hours: 3

Prerequisite: MAC 206

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 309 Magazine and Feature Writing

Credit Hour: 3

Prerequisite: MMC 203+(Co)MAC 304

This course offers students practical experience in researching, writing, analyzing, and marketing feature articles for print or online publications. It is intensive bilingual writing course.

MAC 320 News Reporting

Credit Hour: 3

Prerequisite: MAC 304

Gathering information and writing articles for print media, including newspapers and magazines. Interviewing news sources will be explained. Investigative reporting and other kinds of reporting will be discussed. Students will learn advanced professional practice of methods of journalistic research, writing, and presentation. Preparation of in-depth news stories, based on individual student research, is a required.

MAC 321 Layout and Design

Credit Hour: 3

Prerequisite: MAC 206

This course focuses on gaining a comprehensive understanding of the theories, strategies and practices in designing print collateral, such as logos, promotional posters and brochures to list a few. It provides an introduction to print design through the study of visual communication, the principles & elements of design and the practical application of those principles & elements. It also provides the basic skills necessary to design and produce print collateral using Adobe In Design.

MAC 322 Online Reporting

Credit Hour: 3

Prerequisite: MAC 304

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.

MAC 410 Web Publications and Design

Credit Hour: 3

Co-requisite: MAC 409

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 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 Strategies in Advertising

Credit Hours: 3

Prerequisites: ENG 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.



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 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 407 Integrated Communication Campaign

Credit Hours: 3

Prerequisites: MAC 315 + 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 Communication Skills in Arabic 1

Credit Hour: 3

Prerequisite: None

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 Communication Skills in Arabic 2

Credit Hour: 3

Prerequisite: 100 ج

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 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 English language skills (2)

Credit Hour: 3

Prerequisite: 100 ج

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 English language skills (3)

Credit Hour: 3

Prerequisite: 105 ج

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 Islamic Culture

Credit Hour: 3

Prerequisite: None

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 ح Introduction to Computer

Credit Hour: 3
Prerequisite: None

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 ف Principles of Mathematics

Credit Hour: 3
Prerequisite: None

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 Natural Sciences

Credit Hour: 3
Prerequisite: None

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 غ Professional Ethics

Credit Hour: 3
Prerequisite: None

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 Psychology

Credit Hour: 3
Prerequisite: None

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 ل UAE and GCC society

Credit Hour: 3
Prerequisite: None

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 General Statistics

Credit Hour: 3
Prerequisite: None

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 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: None

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 ا ح Iran's history and civilization

Credit Hour: 3
Prerequisite: None

Learners study the Iranian history throughout the ages in the light of modern historical approach. The study includes the Mythological era, the Achaemenian 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 ا م Iranian society

Credit Hour: 3
Prerequisite: None

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 س م 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 س م Listening and Speaking 2

Credit Hours: 3
Prerequisite: 210 ق ل ف

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.

210 م د 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 ت خ 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 ت ل 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 ث ل ف 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 س م 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 س ف ج 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 م ت 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 ع غ ق **Contrastive linguistics**

Credit Hour: 3

Prerequisite: 200 ق ل ف 105, 105

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 س ف ح **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 ن ج **Translation of social and economic texts**

Credit Hours: 3

Prerequisite: 220 م + 300 ع 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 ن ج **Translation of military and strategic texts**

Credit Hours: 3

Prerequisite: 220 م + 300 ع 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 ش ف **Persian Poetry**

Credit Hours: 3

Prerequisite: 210 م + 200 ق ل ف

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 ق م **Story and Theater in Persian literature**

Credit Hours: 3

Prerequisite: 220 ق ل ف + 200 س ف ح

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 س ف ح **Modern Persian Styles 3**

Credit Hours: 3

Prerequisite: 300 س ف ح

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 ن ف س **Persian texts on the political system in Iran**

Credit Hours: 3

Prerequisite: 220 ث ل ف

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 ن ف س **Persian texts in the political thought of Iran**

Credit Hours: 3

Prerequisite: 220 ث ل ف

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 د ق **Comparative literature**

Credit Hour: 3

Prerequisite: 310 ش ف , 310 ق م

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 م ن **Translation of audio texts**

Credit Hours: 3

Prerequisite: 220 م + 220 س م + 300 ع غ ق



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 ت ت Simultaneous interpretation

Credit Hours: 3

Prerequisite: 400 م ن

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 ت ت

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 ح ج Translation and analysis of Persian political discourse

Credit Hours: 3

Prerequisite: 220 خ + 400 ن ف س

310 ت ن + 400 م ت + 310 ج ع

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 ح ج Translation and analysis of Persian media discourse

Credit Hours: 3

Prerequisite: 220 خ + 220 ل ف

310 ت ن + 400 م ت + 310 ج ع

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 م ت 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 ا ع Arab-Iranian relations

Credit Hours: 3

Prerequisite: None

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 و ف 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 ف س 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 ب ع Arabic Rhetoric

Credit Hours: 3

Prerequisite: 100 غ ل

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 ع ش Modern Arabic Poetry

Credit Hours: 3

Prerequisite: 210 ب ع

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 ن ا Literary Criticism

Credit Hours: 3

Prerequisite: 210 ب ع

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 Science

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.

BOT 300 Plant Materials I

Credit Hours: 3
Prerequisite: BOI 206/CIV203

This course examines a wide range of topics related to the biology of plants. In the first part of the course, students will investigate in detail how the individual plant works; how plant bodies are built; how plants obtain and transport food and water; and how plants reproduce themselves. Principles of plant evolution are also discussed, as well as human activities within plant ecosystems.

CIV 203 Soil Science

Credit Hours: 3
Prerequisite: GOL 205/LAR 200

This course presents the description, identification, and 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.

GOL 205 Physical Geology

Credit Hours: 3
Prerequisite: ENG 200

This course will attempt to define and cover general definitions of Geological Science, Geological History of Planet Earth, and structure of Earth's crust (Nature of matter, metals, rocks, primary and secondary structure). The study of Earthquake and volcanoes will be included.

MTT 102 Calculus I

Credit Hours: 3
Prerequisite: MTT 101

This is an introductory single variable calculus course. It introduces students to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex number forms and operations. Further, students will be exposed to applications of topics such as curve sketching, optimization problems, area and volumes.

PHY 102 Physics and Engineering Application I

Linguistic analysis

This is a calculus based physics course. It covers topics mainly in mechanics and waves. The topics covered are: Units, Vectors and Scalars, Vectors Product, Motion in One and Two Dimensions, Newton's laws of Motion, Work and Energy, Conservation of Energy, Oscillatory Motion, Wave Motion, Sound Waves, and Superposition of Waves.

Compulsory Course:

BIO 205 General Biology I

Credit Hours: 3
Pre or Co-requisite: ENG 100 + UNS 100

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-requisite: 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.

BIO 206 General Biology II

Credit Hours: 3
Pre requisite: BIO 205

This course is a continuation of General Biology with emphasis on the anatomy, growth, responses and reproduction of plants and animals, including organ systems of the human body.

BIO 206 L General Biology Laboratory II

Credit Hours: 1
Prerequisite: BIO 205 L
Co-requisite: BIO 206

This course is a continuation of BIO 205 L and 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 206.

BIO 215 Biometrics

Credit Hours: 3

Prerequisite: BIO 205 + STT 100

This course includes descriptive statistics, probability, random variables, discrete and continuous distributions, confidence intervals, contingency tests, regression and correlation, tests of hypothesis, and analysis of variance. The emphasis of the course will be on methods and applications that are used in the biological and natural sciences.

BIO 305 Genetics

Credit Hours: 3

Prerequisite: BIO 206

This course will cover the principles of heredity, nature and function of genetic material, with quantitative analysis; genetic constitution of populations.

BIO 405 Microbiology

Credit Hours: 3

Prerequisite: BIO 206

This course will cover the biology of life forms with emphasis on microscopic organisms and their relationships to humankind. Topics will include terminology, diversity in nature, relationships of organism to disease, pollution and the environment.

CHE 205 General Chemistry I

Credit Hours: 3

Pre or Co-requisite: ENG 100 + UNS 100

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-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.

CHE 206 General Chemistry II

Credit Hours: 3

Pre requisite: CHE 205

This course is a continuation of General Chemistry I with emphasis on states of matter, equilibrium, kinetics, acids and bases, oxidation and reduction, and electrochemistry.

CHE 206 L General Chemistry Laboratory II

Credit Hours: 1

Prerequisite: CHE 205 L

Co-requisite: CHE 206

This course is a continuation of CHE 205 L and 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 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. This class will cover chemical bonding, physical properties, stereochemistry, reaction mechanisms and synthesis. This course will consist of a lecture and a laboratory session.

CHE 405 Biochemistry

Credit Hours: 3

Prerequisite: CHE 305

A one-semester lecture course introducing the students to the topics of biochemistry. Topics include biomolecules and structure, biochemical energetics and reactions, introductory metabolism, and the nature and mechanism of enzymes.

ENS 205 Introduction to Environmental Science

Credit Hours: 3

Prerequisite: ENG 200 + UNS 100

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 215 Oceanography

Credit Hours: 3

Prerequisite: ENS 205

This course explores geological, physical, chemical and biological processes in the world's oceans. Topics include the extent of the oceans; chemical nature of sea water; causes/effects of currents, tides, and waves; animal and plant life in the sea; and features of the ocean floor.

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.

ENS 299 Environmental Seminar

Credit Hours: 1

Prerequisite: ENS 205

This course is an introduction to the scope of the environmental 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.

ENS 310 Global Environmental Issues

Credit Hours: 3

Prerequisite: ENS 205

Cross-disciplinary examination of economic development, world regions, population trends, resource exploitation, sustainability, impact of resource extraction in key world locations, and increasing global environmental connectivity, integration, and interdependence.

ENS 315 Environmental Problem Solving

Credit Hours: 3

Prerequisite: ENS 205 + BIO 215

Introduction to quantitative tools for environmental problem solving. Basic modeling skills in the context of topics related to environmental issues associated with air, water, land/earth, and energy.

ENS 499 Undergraduate Research

Credit Hours: 4

Prerequisite: ENS 205 + CHE 206 + BIO 206

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.

GEO 205 Geography

Credit Hours: 3 Pre or co-requisite:

ENG 200 + UNS 100

This course will cover the study of the geographic patterns to the earth's physical environment and the processes responsible for these geographic patterns. The characteristics of the earth's physical environment, its atmosphere, biosphere, hydrosphere and lithosphere will be described.

Marine Biology

ENS 305 Marine Zoology

Credit Hours: 3

Prerequisite: ENG 215

The course is intended to be an overview of marine life with an emphasis on marine life in the UAE coastal environment. The course includes taxonomy, body structure and function, geographical distribution and ecological relationships.

ENS 306 Marine Biology

Credit Hours: 3

Prerequisite: ENS 215 + BOT 300

This course will introduce the students to the plant life in the marine environment. The topics will include areas such as the diversity, taxonomy and functional forms of algae and special interest in marine life in the UAE area including coral reefs and mangrove environments.

ENS 405 Marine Fisheries

Credit Hour: 3

Prerequisite: ENS 215

This course will cover the natural life cycle and human impact on fish. Emphasis will cover the human impact and depletion of fish in the

UAE marine area and the efforts to remedy this problem.

Chemistry

CHE 415 Analytical Chemistry

Credit Hours: 3

Prerequisite: CHE 206

This course will describe the methods, techniques and instrumentation of modern analytical processes in chemistry.

CHE 425 Environmental Chemistry

Credit Hour: 3

Prerequisite: CHE 305

This course will consist of the study of the chemistry and chemical processes that are part of the natural environment and also the effects of humankind through chemical pollution on the environment.

Management

BUS 306 Introduction to Management

Credit Hours: 3

Prerequisite: STT 100

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, trans-shipment, 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.

MGT 200 Principles of Management

Credit Hours: 3
Prerequisite: ENG 200

This course develops a critical understanding of the major functions of management including planning, organizing, leading/interpersonal influence, and controlling in both domestic and international spheres. The course establishes a management context in terms of organization culture and environment and extends this context on global terms. Each managerial function is examined in detail in terms of concept and application. Definitions are applied in case situations and management dilemmas are examined and resolutions tested. The key management functions are related to the notion of an entrepreneurial venture giving the course a specific relevance to an enterprise and dynamic business community.

MGT 411 Project Management

Credit Hours: 3
Prerequisite: 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, and risk management). 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.

Natural Resources

ENS 350 Wetlands

Credit Hours: 3
Prerequisite: ENS 205

This course will consist of the study of the environment of the wetlands biome. Special attention will be given to the wetland types in the UAE.

ENS 420 Desert Studies

Credit Hours: 3
Prerequisite: ENS 205

This course will consist of the study of the environment of the desert biome. Special attention will be given to the Arabian Desert.

ENS 450 Water Resources

Credit Hours: 3
Prerequisite: ENS 205

This course will consist of the study of the availability, usages, and sustainability of water resources. Water resources, including the water table and desalination, of the Middle East will be examined.

Applied Ecology

ENS 410 Impact Assessment

Credit Hours: 3
Prerequisite: ENS 205

This course will consist of the study of the impact of humans on the environment. Both local impact and global impacts will be examined. Assessment methods and techniques will be taught through case studies.

LAR 401 Natural Environment Design Studio

Credit Hours: 3
Prerequisite: LAR 302

This course will be an introduction to the principles of design theory, landscape ecology and technical applications. Problems of increasing complexity incorporate critical and creative problem solving, the relationship of aesthetics, response to human needs and design for

sustainable environments. This is a studio course where the students will have hands-on experience making designs.

LAR 410 Landscape Ecology

Credit Hours: 3
Prerequisite: LAR 302

This course is an integrated approach to understanding the function of landscapes, the emerging theories, concepts and methodologies of landscape science and their application to landscape and environmental management. This is a studio course where the students will have hands-on experience making designs.

Engineering

CIV 301 Civil Engineering Measurement

Credit Hours: 3
Prerequisite: None

This course involves 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 include 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 are reviewed. Brief coverage of the fundamental concepts of the systems are discussed.



CIV 315 Fundamentals of Geographic Information Systems

Credit Hours: 3

Prerequisite: CIV 301

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 340 Fundamentals of Environmental Engineering

Credit Hours: 3

Prerequisite: CHE 201

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.

Biology

BIO 405 Microbiology

Credit Hours: 3

Prerequisite: ENS 206

This course will cover the biology of life forms with emphasis on microscopic organisms and their relationships to humankind. Topics

will include terminology, diversity in nature, relationships of organism to disease, pollution and the environment.

BIO 415 Advanced Genetics

Credit Hours: 3

Prerequisite: BIO 305

This course will be a study of the mechanisms of inheritance, structure of the genome and genetic analysis, with quantitative analyses and genetic constitution of populations. This course will be a continuation of these topics from BIO 305.

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-requisite: ENG 100 + UNS 100

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-requisite: 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-requisite: ENG 100 + UNS 100

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-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.

EHS 205 Introduction to Environmental Health

Credit Hours: 3

Pre or Co-requisite: ENG 100 + UNS 100

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-requisite: EHS 205 + 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.

EHS 305 Occupational Health and Safety

Credit Hours: 3
Pre or Co-requisite: EHS 205 + ENS 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-requisite: 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.

EHS 315 Global Issues in Environmental Health

Credit hours: 3
Pre or Co-requisite: EHS 205 + 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 400 Toxicology

Credit Hours: 3
Prerequisite: EHS 205 + one of ENS 205 or CHE 305

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-requisite: EHS 205 + 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-requisite: EHS 205 + 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-requisite: 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-requisite: EHS 205 + ENS 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 & EHS 425L Pollution Monitoring and Control (+lab)

Credit Hours: 3

Pre or Co-requisite: EHS 205 + 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 430 Health Risk Management

Credit hours: 3

Pre or Co-requisite: 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: ENG 200 + UNS 100

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.

ENS 499 Undergraduate Research

Credit Hours: 4

Prerequisite: ENS 205 + CHE 206 + BIO 206

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

Prerequisite: ENG 100 + UNS 100

This course introduces the bases of the Health Care management and the use of practical skills in the praxis.

HSC 205 Statistics for Population Health

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.

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-requisite: ENG 100 + UNS 100

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-requisite: 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-requisite: ENG 100 + UNS 100

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-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.

PBH 205/EHS 205 Introduction to Environmental Health & Safety

Credit Hours: 3
Pre or Co-requisite: ENG 100 + UNS 100

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-requisite: ENG 100 + UNS 100

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.

PBH 305/EHS 305 Occupational Health and Safety

Credit Hours: 3
Prerequisite: EHS 205 + ENS 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: ENG 100 + UNS 100

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.

PBH 220 Principles of Epidemiology

Credit Hours: 3
Prerequisite: PBH 205 or PBH 101 + STT 100

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.

PBH 210 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.

PBH 200 Determinants of Public Health

Credit Hours: 3
Prerequisite: BIO 205 + CHE 205 + PBH 220

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.

PBH 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 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: PBH 200

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+ PBH 210 + PBH 220

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: PBH 200

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.

PBH 325 Global health Challenges

Credit Hours: 3
Prerequisite: PBH 200

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: 6
Prerequisite: 90 Credit Hours

Abu Dhabi based hospitals have been approached and agreement will be available the time of internship.

PBH 499 Undergraduate Research

Credit Hours: 3
Prerequisite: PBH 410 + 60 Crhs

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: PBH 200

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: PBH 200

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.

Degree Concentration

Health Promotion

PBH 340 Program Planning and Evaluation

Credit Hours: 3
Prerequisite: PBH 310



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.

PBH 345 Career Preparation in Health Promotion

Credit Hour: 3
Prerequisite: PBH 310

This course will review health communication through an examination of theoretical frameworks, communication techniques and technologies that promote the health of individuals, communities, and populations. Topics may include health literacy, clinician to client communication, peer to peer communication, 'edutainment' communication, effective public health messages and mass media campaigns, risk and emergency communication..

PBH 440 Health Communication

Credit Hour: 3
Prerequisite: PBH 310

This course will review health communication through an examination of theoretical frameworks, communication techniques and technologies that promote the health of individuals, communities, and populations. Topics may include health literacy, clinician to client communication, peer to peer communication, 'edutainment' communication, effective public

health messages and mass media campaigns, risk and emergency communication.

PBH 445 Social Action for Sustainability and Health

Credit Hour: 3
Prerequisite: PBH 310

Planetary dis-integrity has been identified as the underpinning concern to the direction and practice of public health and health promotion in the 21st century. How we respond to this social dilemma will determine the future of the human species. This course explores both how this dilemma has been historically conceptualized and the social actions that will contribute to securing a sustainable future for humankind. The course will include reflection upon key historical documents and charters as well as discussion of social action at the individual, community, societal and global levels to progress toward sustainable development.

Health Policy Management

PBH 350 Management Control in Health Organization

Credit Hour: 3
Prerequisite: PBH 215

This course is designed for future managers of health care organizations. The course will provide students with the knowledge and skills needed to understand and effectively manage individuals and groups within health services organizations. This course will draw upon perspectives from organizational theory and organizational behavior to examine management and leadership topics within the unique context of health services organizations.

PBH 355 Current Issues in Health Policy

Credit Hour: 3
Prerequisite: PBH 215

This course is an introduction to major health policy issues and

examines the role of government in the health care system. An important focus of the course is an assessment of the role of policy analysis in the formation and implementation of national and local health policy. Because much of government health policy relates to or is implemented through payment systems, several sessions involve some discussion of the policy implications of how government pays for care, with a more detailed review of the economics of payment systems available in Health Economics and Payment Systems. The role of the legal system with respect to adverse medical outcomes, economic rights, and individual rights is also discussed.

PBH 450 Health Care Systems

Credit Hour: 3
Prerequisite: PBH 215

Health Care Systems is designed to give the student a deeper understanding of key concepts in how health systems are funded, operated and evaluated. The course will introduce the student to concepts such as social determinants of health; how health care decisions are evaluated; health reform disadvantaged groups and health; and assessing quality of health services. The course will explore the UAE health care system in detail and compare it to other health care systems in developed and developing countries.

PBH 455 Health Policy and Strategic Planning

Credit Hour: 3
Prerequisite: PBH 215

The course will examine the framework for policy development, decision-making models, the role of interest groups in domestic and international health policy, health planning at the community, district and local level, corporate and business planning within healthcare organizations, significant current policy issues.



Environmental Health

PBH 430/EHS 430 Health Risk Management

Credit Hour: 3

Prerequisite: 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.

PBH 415/EHS 415 Environmental Health Regulation & Compliance

Credit Hour: 3

Prerequisite: 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.

PBH 460 Environmental Epidemiology

Credit Hour: 3

Prerequisite: EHS 205 + PBH 220

This module looks at the role of epidemiology in identifying environmental and occupational threats to health, the principal forms of epidemiological study and the role of epidemiology in elucidating disease causation.

PBH 435 Environmental Intervention: Policy and Practice

Credit Hour: 3

Prerequisite: EHS 205 + ENS 205

The aim of this course is to help you develop a critical understanding of environmental interventions as a means to secure and/or demonstrate compliance and a detailed understanding of the strategic and localized framework in which they operate.



College of Business Administration

College Requirements

ACC 200 Principles of Financial Accounting

Credit Hour: 3

Prerequisite: ENG 200 + MTG 100 + ITE 100

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.

BUS 204 Business Research Methods

Credit Hour: 3

Prerequisite: STT 100

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: ENG 201

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. Labour Law.

BUS 306 Applied Management Science

Credit Hour: 3

Prerequisite: MGT 200 + 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

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

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 200 Principles of Management

Credit Hour: 3

Prerequisite: ENG 200

This course develops a critical understanding of the major functions of management including planning, organizing, leading/interpersonal influence, and controlling in both domestic and international spheres. The course establishes a management context in terms of organization, culture and environment and extends this context to global levels. Each managerial function is examined in detail in terms of concept and application. Definitions are applied in case situations and management dilemmas are examined and resolutions tested. The key management functions are related to the notion of an entrepreneurial venture giving the course a specific relevance to an enterprising and dynamic business community. Students should gain an insight into managerial functions and develop sufficient skills to utilize them in real time situations.

An introduction to the academic standards of paper presentation and referencing is also provided in this course with the inclusion of an individual assignment which concentrates on attention to detail in those areas. This knowledge should assist the students throughout their academic career and will also be useful in the workplace.

MGT 308 Operations Management

Credit Hours: 3

Prerequisites: MGT 200 + co requisite of BUS204/BUS200

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 + 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

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: ITE 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.

MGT 301 Principles of Organizational Behavior

Credit hours: 3
Pre-requisites: PSY 201 + MGT 200 + ENG 201

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. Individual learning, 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.

Group behavior is examined using the early Hawthorne studies and considering the impact of work teams on effective work design. 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.

MKT 301 Consumer Behavior

Credit hours: 3
Pre-requisites: MKT 200 + ENG 201

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
Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: ECO 201 + BUS 204/ BUS200

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

Pre-requisites: 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

Pre-requisites: 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.

HRM 313 Human Resources Management

Credit hours: 3

Pre-requisites: Corequisite of MGT 301+ MGT200

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 321 Change Management

Credit hours: 3
Pre-requisites: MGT 301

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
Pre-requisites: 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.

HRM 404 Employee Relations

Credit hours: 3
Pre-requisites: HRM 313

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.

HRM 422 Management and Leadership Development

Credit hours: 3
Pre-requisites: MGT 301

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
Pre-requisites: 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
Pre-requisites: 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

Pre-requisites: MKT 200

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

Pre-requisites: MKT 200 + co requiaite 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 International Marketing

Credit hours: 3

Pre-requisites: 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.

Bachelor of Business Administration in Management

Major Requirements

MGT 321 Change Management

Credit hours: 3

Pre-requisites: MGT 301

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.

HRM 422 Management and Leadership Development

Credit hours:3

Pre-requisites: MGT 301

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 301 'principles of Organizational Behavior

Credit hours:3

Pre-requisites: PSY 201 + MGT 200 + ENG 201

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. Individual learning, 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. Group behavior is examined using the early Hawthorne studies and considering the impact of work teams



on effective work design. 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.

HRM 313 Human Resources Management

Credit hours: 3
Pre-requisites: MGT 200 + corequisite of 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
Pre-requisites: 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.

MGT 399-I Internship in Management

Credit hours: 3
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: MGT 301

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 411 Project Management

Credit hours: 3
Pre-requisites: Corequisite 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.



MGT 499 Special Topics in Management

Credit hours:3

Pre-requisites: 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.

Bachelor of Business Administration in Marketing

Major Requirements

MKT 301 Consumer Behavior

Credit hours:3

Pre-requisites: MKT 200 + ENG 201

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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-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 learning the infrastructure of marketing and applying this knowledge to the real world

Major Electives

MKT 405 Service Marketing

Credit hours:3
Pre-requisites: 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 Internet Marketing

Credit hours:3
Pre-requisites: 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 International Marketing

Credit Hours: 3
Pre-requisites: 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 (Social Marketing)

Credit hours:3
Pre-requisites: Consent of Department + MKT 200

Social marketing is the use of commercial marketing concepts in program designed to influence voluntary behaviour of target audiences in order to improve health and society. This course is designed to help students to develop a systematic and critical understanding of social marketing principles and strategies for developing behavior change interventions. It will highlight the practical application of social marketing in a wide variety of settings covering various health and environmental issues.

Bachelor of Business Administration in Finance

Major Requirements

FIN 301 Managerial Finance

Credit hours: 3
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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
Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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.

Bachelor of Business Administration in Accounting

Major Requirements

ACC 302 Intermediate Accounting I

Credit hours: 3

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: 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 400 Government and Not-for-Profit Accounting

Credit hours: 3

Pre-requisites: 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
Pre-requisites: 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.

Bachelor of Business Administration in Human Resource Management

Major Requirements

HRM 313 Human Resources Management

Credit hours: 3
Pre-requisites: MGT200 + co-requisite of MGT301

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
Pre-requisites: 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
Pre-requisites: HRM 313

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.

HRM 419 Training and Development

Credit hours: 3
Pre-requisites: 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 301 Principles of Organizational Behavior

Credit hours: 3

Pre-requisites: PSY 201 + MGT 200 + ENG 201

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. Individual learning, 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. Group behavior is examined using the early Hawthorne studies and considering the impact of work teams on effective work design. 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 399-I Internship in HRM

Credit hours: 3

Pre-requisites: 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

Pre-requisites: 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

Pre-requisites: MGT 301

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

Pre-requisites: ECO 201 + BUS 204/ BUS200

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 422 Management and Leadership Development

Credit hours: 3

Pre-requisites: MGT 301

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.

HRM 424 Contemporary Research in HRM

Credit hours:3

Pre-requisites: 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.



College of Engineering

Bachelor of Architecture

College Requirements

MTT 102 Calculus I

Credit Hours: 3

Prerequisite: MTT 101

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the computer science students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex numbers forms and operations. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

PHY 102 Physics and Engineering Applications

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).

Major Requirements

ARC 210 Architectural Design Studio I

Credit Hour: 4 (2 lecture + 4 studio)

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 (2 lecture + 2 studio)

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 (2 lecture + 2 studio)

Prerequisite: None

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 (2 Lecture+ 4 Studio)

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 (2 lecture + 2 studio)

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 (1 lecture + 4 studio)

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 (2 lecture + 8 studio)
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 (2 lecture + 2 studio)
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 base principles of acoustics impacting room acoustics, mechanical system noise, sound absorption and

isolation, and the basic principles of electrical systems.

ARC 330 Structure for Architects I

Credit Hours: 3 (3 lecture + 0 studio)
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 (2 lecture + 2 studio)
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 (2 lecture + 8 studio)
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 (2 lecture + 2 studio)
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 + ARC 370

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 (2 lecture + 8 studio)
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 (1 lecture+ 4 studio)

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 (2 lecture + 8 studio)

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 (1 lecture + 4 studio)

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 (1 lecture +4 studio)

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 (4 lecture+ 4 studio)

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 (1 lecture+4 studio)

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 (2 lecture + 2 studio)

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 (2 lecture + 8 studio)

Course 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.

DES 110 Design Communication I

Credit Hour: 3 (1 lecture + 4 studio)
Prerequisite: None

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 (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 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 (1 lecture + 4 studio)
Prerequisite: None

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.

Professional Elective Courses

Special Design Focus

ARC 581 Landscape Architecture

Credit Hours: 3 (1 lecture + 4 studio)
Pre-Requisites: 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 (2 lecture+ 2 studio)
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 (2 lecture+ 2 studio)
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 (1lecture + 4 studio)
Pre-Requisites: 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 (2 lecture + 2 studio)
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 (2 lecture + 2 studio)

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 (2 lecture + 2 studio)

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 121 Private Pilot Operations

Credit Hours: 3
Prerequisite: None

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 221 Instrument Pilot Operations

Credit Hours: 3
Prerequisite: AVS 121

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 231 Commercial Pilot Operations

Credit Hours: 3
Prerequisite: AVS 221



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: SOC 201

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.

PFT 121 Flight Lessons I

Credit Hours: 2

Prerequisite: 60 Credit Hours

This course is the cornerstone of flight training. It includes ab-initio to private pilot flight training and all the necessary maneuvers and procedures necessary to meet international standards. The course provides early exposure to concepts such as safety awareness, crew resource management, and aeronautical decision-making.

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 221

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 200 + PSY 201

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 complimented with studies of recent cases citing CRM as critical to its outcome.

PFT 221 Flight Lessons II

Credit Hours: 2

Prerequisite: PFT 121

This course provides advanced training in commercial operations, focusing on the maneuvers and procedures necessary to meet international standards. Building on previous knowledge, the course exposes students to the more advanced details associated with safety awareness, crew resource management, and aeronautical decision-making.

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: AVS 287

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: None

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: MTT 101 + 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.

PFT 321 Flight Lessons III

Credit Hours: 2

Prerequisite: PFT 221

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 aimed 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 affecting 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 + PSY 201

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.

PFT 421 Flight Lessons IV

Credit Hours: 2

Prerequisite: PFT 321

The course provides training in instrument flight in multi-engine operations. Topics such as situational awareness, safety and decision making relevant to IFR flight are also covered.

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 221 + AVS 415

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 200

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

College Requirements

MTT 102 Calculus I

Credit Hours: 3

Prerequisite: Math Placement test or MTT 101

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals, and some applications of the definite integral. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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

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 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 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).

CHE 205 General Chemistry I

Credit Hours: 3

Pre or Co-requisite: ENG 100 + UNS 100 (co-requisite)

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 Chemistry Lab

Credit Hours: 1

Pre or Co-requisite: CHE 205 (co-requisite)

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.

ECO 201 Microeconomics Analysis & Applications

Credit Hours: 3

Prerequisite: ENG 200

Principle of Microeconomics is an introductory course in economic theory and applications. It is designed to introduce undergraduate students to the fundamental concepts of microeconomics. The objective of the course is to apply principles of economic analysis to the day-to-day decision-making of individuals and households (consumers) and to different types of firms. Students are introduced to the basic models of market structure and how firms behave under these different structures. We will examine concepts such as what determines market supply and demand, how firms decide how much to produce in order to maximize profits under different circumstances, and a wide range of economic policy issues.

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

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 + CHE 206 (co-requisite)

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 gases. 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: CHE 205 + CME 200

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: CHE 205 + CME 210 + PHY 102 + MTT 205 (co-requisite)

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

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 + CME 331 (co-requisite)

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

Prerequisite: CME 331 (co-requisite)

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

Fundamentals of chemical reaction engineering. Rate laws, kinetics, and mechanisms of homogeneous and heterogeneous reactions. Analysis of rate data, multiple reactions, heat effects, bioreactors, Safety (Runaway Reactions). Design of industrial reactors.

CME 341 Heat Transfer

Credit Hours: 3

Prerequisite: CME 310 (co-requisite)

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: Distillation; Liquid-liquid; Solvent extraction; Supercritical fluid extraction and Adsorption; Design of industrial separation equipment; Flow-sheeting programs will be used. 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 + CME 400 (co-requisite)

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 499 Design Project (Capstone)

Credit Hours: 3

Prerequisite: Senior Level

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.

Major Elective Courses

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

College Requirements

CHE 205 General Chemistry I

Credit Hours: 3
Pre or Co-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.

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.

ECO 201 Microeconomics Analysis & Applications

Credit Hour: 3
Prerequisite: ENG 200

Microeconomics Analysis and Applications is 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.

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 102 Calculus I

Credit Hour: 3
Prerequisite: MTT 101 or Math Placement Test

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the computer science students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex numbers forms and operations. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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, Eigenvalues and Eigenvectors and Diagonalizing Matrices. Engineering applications of linear algebra are incorporated using Math software available

MTT 205 Differential Equations

Credit Hour: 3
Prerequisite: MTT 200

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 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).

PHY 201 Physics and Engineering Application II

Credit Hour: 3
Prerequisite: PHY 102
Co requisite: PHY 201 L

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.).

Major Requirements

CIV 102 Computer Aided Drawing

Credit Hour: 3
Prerequisite: None

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
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: MTT 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

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.

CIV 313 Construction Materials

Credit Hour: 3

Prerequisite: CHE 201 + 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 + 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 201 + 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: 03
Prerequisite: 100 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 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: 2
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: 2
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 102

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, whistle-blowing, 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 Oriented Programming. It develops the basic skills necessary to develop software application programs in C++ using object oriented principles and concepts.

The course presents the main principles of Object 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 pre-requisites 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 102 Calculus I

Credit Hour: 3

Prerequisite: MTT 101 or Math Placement Test

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the computer science students will be introduced

to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex numbers forms and operations. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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

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 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).

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).

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 semiconductor electronic devices (transistors and diodes), device electrical DC and high-frequency characteristics. The course CEN 201 and its prerequisites (CEN 200 and MTT 102) will provide the necessary knowledge needed for this course

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: 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 450 Design Project

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.

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

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

This course introduces Computer Organization, and Assembly Language.

The organization and architecture



of modern computer. 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 Courses

Software Engineering

CSC 401 Software Engineering I

Credit Hour: 3
Prerequisite: ITE 305

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.

CSC 402 Software Engineering II

Credit Hour: 3
Prerequisite: CSC 401

A number of software engineering best practices will be examined in depth. Students will study project estimation/planning/monitoring/control, risk management, metrics, team & people issues, and the benefits of employing modern techniques at appropriate phases of a development lifecycle. The importance of configuration management, change management and control, release planning, and of quality assurance throughout a project (reviews, inspections, testing strategies) will be brought out.

TOPICS INCLUDING: Software Process Maturity & Improvement Models; Project Initiation, Planning, Monitoring & Control; Risk Management; Overviews of SCM, V & V, SQA; Software Measurement and Estimation Techniques;



Defect Management and Process Measurement; Personal Software Process (PSP); Reviews and Inspections; Testing Techniques and Plans; Team & People Issues; Professional Issues; Future of Software Engineering.

ITE 305 Systems Analysis and Design

Credit Hour: 3

Prerequisite: CSC 202

This course provides a methodical approach to developing information systems. The focus is on the core set of skills that all analysts must possess within the four categories of Planning, Analysis, Design and Implementation; from gathering requirements and modeling business needs to creating templates for how information systems should be built. The course will approach the development of information systems from a problem-solving perspective.

Systems Design

CEN 310 Computer Interface

Credit Hour: 3

Prerequisite: CSC 202 + CSC 303 + CEN 201

External devices are controlled by the computer CPU. Data from the devices need to be fed into the computer (input) for processing and the results of the calculations need to be read from the computer (output) into the external devices. This is called "interfacing" with the computer. This course is designed to teach software and hardware circuitry for computer interface. Students will be guided in all phases of designing and building hardware circuits for computer interface as well as writing programs to operate the hardware.

CEN 401 - Computer Measurement and Instrumentation

Credit Hour: 3

Prerequisite: CEN 320 + CEN 305

Every industry and every field of

scientific and engineering research uses sensors and measurement technology. This course provides students with the tools they need to learn how to use computers to control their experiments, how to acquire and analyze their data, and how to implement appropriate instruments that are stable, accurate, highly sensitive, have low noise, and do not disturb the environment they are measuring. To enable students make the most productive use of computers in the modern research laboratory, this course will provide students with the state of the art software (LabVIEW) and hardware (the National Instruments data acquisition card). This will acquaint students with how a scientist designs and carries out a computer-controlled experiment.

CEN 460 Control Systems Design in Computer Control and Real Time Programming

Credit Hour: 3

Prerequisite: CSC 303 + CSC 304 + MTT 201

This course equips the students with various advanced analysis, design, and simulation methods and techniques in computerized control engineering. The first part of this course aims to prepare students by introducing basic control system theory, discrete-time systems modeling and analysis, system identification methods, and other fundamentals relevant to this course. The second part introduces a number of controller design and implementation methodologies. The final part covers implementation problems and some practical case studies to enable students to have some hands-on experience in computer controlled systems.

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.

Networking

CIS 408 Distributed Information Systems

Credit Hour: 3

Prerequisite: CSC 305

The aim of this course is to provide students with a broad foundation in distributed and client-server information systems from both a managerial and a systems development point of view. It also provides a base from which the student can assimilate knowledge of future developments in distributed and client-server information systems, interpret their relevance and assess their potential for information systems applications. The emphasis is on developing a broad foundation rather than the acquisition of specific application development skills.

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, Unix 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.

Database Systems

CIS 401 Advanced Database Management Systems

Credit Hour: 3

Prerequisite: CSC 302

Database systems in today's organizations are sophisticated applications designed for multi-user, client/server environments. This course focuses on the design and development of client/server database applications and the issues commonly faced by database administrators. Topics include: Managing the database, integrity,

security, Concurrency and Deadlock Client/server database issues, distributed databases, object-oriented database development, database administration, data warehouses, and Web applications. The course employs Oracle/Developer for practical experience.

CIS 404 Data Warehousing and Data Mining

Credit Hour: 3

Prerequisite: CSC 302

Data Mining (DM), as Knowledge Discovery in Databases (KDD) subject, is a broad area that integrates techniques from several fields including machine learning, statistics, pattern recognition, artificial intelligence, and database systems, for the analysis of large volumes of data. The purpose of Data mining is to extract "interesting" relationships and knowledge hidden in data. Students will study a variety of these techniques and carry out practical exercises to understand what is and what is not "interesting." Topics include data warehousing and mediation techniques aimed at integrating distributed, heterogeneous data sources; data mining techniques such as rule-based learning, decision trees, association rule mining, and statistical analysis for discovery of patterns in the integrated data; and evaluation and interpretation of the mined patterns using visualization techniques.

CSC 302 Database Management Systems

Credit Hour: 3

Prerequisite: MTT 202

This course is an introduction to the concepts and methods necessary to design and implement a database system, including database analysis and modeling with entity relationship diagrams, relational algebra, handling and manipulating databases using SQL, normalization, and other aspects of database design and use such as performance and integrity.

Bachelor of Science in Electrical Engineering

Degree Requirements

CEN 200 Introduction to Electrical and Computer Engineering

Credit Hour: 3

Prerequisite: MTT 102

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.

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.

ECO 201 Microeconomics Analysis and Applications

Credit Hour: 3

Prerequisite: ENG 200

Microeconomics Analysis and Applications is 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.

MTT 102 Calculus I

Credit Hours: 3

Prerequisite: MTT 101 or Math Placement Test.

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the computer science students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex numbers forms and operations. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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

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 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).

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).

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 semiconductor

electronic devices (transistors and diodes), device electrical DC and high-frequency characteristics.

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 fThis 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 450 Design Project (Capstone)

Credit Hour: 3

Prerequisite: Senior Level

The objective of this course is to provide guided experience in wide areas of Electrical 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

Communication

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 338 + 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

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 fault currents. Introduction to digital filtering and microprocessor based relaying. Use 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.

Control and Automation

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 hand on experience.

EEN 463 Digital Control Systems

Credit Hour: 3

Prerequisite: EEN 365

Fundamentals of digital control systems: use of classical and modern control tools to analyze and design

digital feedback systems, to meet stability and other performance criteria specified in the time and frequency domains. These methods include block diagram and flow graph representation of systems; solution of linear difference equations and the z-transform; ideal sampling, the star transform and the pulse transfer function. Time delays, the modified z-transform, conversion between continuous and discrete variables. State variables, state equations, and state variable models of open and closed loop systems. System characteristic equation and mapping between the s- and z planes. System time response, steady state accuracy and system type. Bilinear transformation, Routh Hurwitz, Jury Stability test, root locus and Bode plot methods for system analysis, design and determination of stability, and compensation. State estimation, observers, controllability and observability.

CEN 401 Computer Measurement and Instrumentation

Credit Hour: 3

Prerequisite: CEN 305+ CEN 320

This course covers sensors and measurement technology. This course provides students with the tools they need to use computers: to control their experiments, to acquire and analyze their data, to implement appropriate instruments that are stable, have low noise, are accurate, highly sensitive and do not disturb the environment they are measuring.

To enable students make the most productive use of computers in the modern research laboratory, this course will provide students with state of the art software (LabVIEW) and hardware (the National Instruments data acquisition card). This will acquaint students with how a scientist designs and carries out a computer-controlled experiment.

EEN 467 Industrial Automation

Credit Hour: 3

Prerequisite: EEN 360 + EEN 365

This course integrates control, sensors, actuators, and computers to create a variety of electromechanical products. Course study includes concepts of design, appropriate dynamic system modeling, analysis, sensors, actuating devices, and real time microprocessor interfacing and control. Introduction to mechatronics. Case studies, simulation, and projects are used to exemplify the system design principles.

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 object oriented principles and concepts. The course presents the main principles of Object 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 pre-requisites 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 Postgres; 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

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.

MTT 102 Calculus I

Credit Hour: 3

Prerequisite: MTT 101

This is a typical single variable calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the computer science students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals and its applications, and complex numbers forms and operations. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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

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 and

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 Dep

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 + CSC 308

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.

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 308 + CSC 202

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 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.

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.

Bachelor of Science in Interior Design

Major Requirements

IND 100 Introduction to Interior Design

Credit Hour: 3
Prerequisite: None

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: None

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: None

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: None

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 AR C210

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 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

College Requirements

MTT 102 Calculus I

Credit Hours: 3
Prerequisite: Math Placement test/ MTT 101)

This is a typical single variable

calculus course. Its purpose is to establish a firm understanding of the foundations of calculus and its applications in real world problems. It will start with a brief review of pre-calculus. Then, the students will be introduced to the concepts and applications of limits, continuity, derivatives, antiderivatives, definite integrals, and some applications of the definite integral. Students will also be exposed to applications of the previous topics such as curve sketching, optimization problems, area and volumes.

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

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 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 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).

CHE 205 General Chemistry I

Credit Hours: 3

Pre or Co-requisite: ENG 100 + UNS 100 (co)

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.

MEC 200 Introduction to Mechanical Engineering

Credit Hours: 3

Prerequisite: MTT 102

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 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.

ECO 201 Microeconomics Analysis & Applications

Credit Hours: 3

Prerequisite: ENG 200

Principle of Microeconomics is an introductory course in economic theory and applications. It is designed to introduce undergraduate students to the fundamental concepts of microeconomics. The objective of the course is to apply principles of economic analysis to the day-to-day decision-making of individuals and households (consumers) and to different types of firms. Students are introduced to the basic models of market structure and how firms behave under these different structures. We will examine concepts such as what determines market supply and demand, how firms decide how much to produce in order to maximize profits under different circumstances, and a wide range of economic policy issues.

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

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

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

Prerequisite: None

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

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 turbomachinery.

MEC 351 Fluid Mechanics Lab

Credit Hours: 1

Co-requisite: 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

This course aims to introduce students to the fundamentals knowledge of control system theories and applications. Topics include: mathematical modelling, 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-requisite: 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-requisite: 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

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-requisite MEC 430

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 480 Mechanical Vibration

Credit Hours: 3
Prerequisite: MEC 310

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 320

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.

MEC 465 - Numerical and Finite Element Simulation of Engineering Problem

Credit Hours: 3
Prerequisite: MEC302, MEC350
Co Requisite: MEC420

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.

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 465 - Numerical and Finite Element Simulation of Engineering Problem

Credit Hours: 3
Prerequisite: MEC302, MEC350
Co Requisite: MEC420

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 474 Fracture & Fatigue Control in Design

Credit Hours: 3
Prerequisite: MEC 430
Co Requisite: MEC465

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.



MEC 465 - Numerical and Finite Element Simulation of Engineering Problem

Credit Hours: 3
Prerequisite: MEC302, MEC350
Co Requisite: MEC420

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.

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. Torsion and bending of asymmetrical thin-walled sections.

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Credit Hours: 3
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WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
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FALL SEMESTER 2014-2015

	June 2014 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	29 Jun First Day of the Holy Month of Ramadan ⁽¹⁾ 15 Jun Financial Aid/Scholarship Requirement Submission for NEW Prospective Students Begins 15 Jun Financial Aid/Scholarship Requirement Submission for RETURNING Students Begins 30 Jun Financial Aid/Scholarship Requirement Submission Deadline for RETURNING Students	
	July 2014 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	15 Jul Financial Aid/Scholarship Requirement Submission Deadline for NEW Prospective Students 29 Jul Eid Al Fitr Holiday ⁽¹⁾	29 Jul Eid Al Fitr Holiday ⁽¹⁾
	August 2014 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	14 Aug Financial Aid/Scholarship Requirements Submission Deadline for NEW Prospective Students (IGCSE ONLY) 31 Aug Declaration/Change of Major Form Submission Deadline 31 Aug - 4 Sep Advising and Registration for Returning Students 31 Aug Accepting Family Discount Application Starts	

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

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
FALL SEMESTER 2014-2015									
	September 2014							3 Sep Orientation for Newly Admitted Undergraduate Students 3 Sep Orientation for Newly Admitted Postgraduate Students 4 Sep Family Discount Application Deadline 4 Sep Admissions/Transfer Credit Deadline 4 Sep Registration Deadline for Newly Admitted Students 7 Sep First Day of Classes 7 - 11 Sep Add & Drop Period with 100% Refund 11 Sep Payment Deadline 14 - 18 Sep Course Withdrawal Period with 75% Refund 18 Sep Graduation Online Application Deadline 21 - 25 Sep Course Withdrawal Period with 50% Refund ⁽²⁾	
		1	2	3	4	5	6		
1	7	8	9	10	11	12	13		
2	14	15	16	17	18	19	20		
3	21	22	23	24	25	26	27		
	28	29	30						
	October 2014							4 Oct Arafat Day ⁽¹⁾ 5 - 7 Oct Eid Al Adha Holiday ⁽¹⁾ 16 Oct PG COBA Course Withdrawal Deadline 25 Oct Islamic New Year 28 Oct Term A PG COBA Last Day of Classes	4 Oct Arafat Day ⁽¹⁾ 5 - 7 Oct Eid Al Adha Holiday ⁽¹⁾ 25 Oct Islamic New Year
				1	2	3	4		
	5	6	7	8	9	10	11		
5	12	13	14	15	16	17	18		
6	19	20	21	22	23	24	25		
7	26	27	28	29	30	31			



PUBLIC HOLIDAY



EXAMINATION DATES



FIRST/LAST DAY OF CREDIT CLASSES

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
FALL SEMESTER 2014-2015									
	November 2014								
8	2	3	4	5	6	7	1	2 Nov Scholarship Online Application for NEW Prospective Students Begins	
9	9	10	11	12	13	14	8	2 - 6 Nov Term A Postgraduate COBA Final Exams Week ⁽³⁾	
10	16	17	18	19	20	21	22	16 Nov Term B Postgraduate COBA Classes Begins	
11	23	24	25	26	27	28	29	16 Nov Release of Mid-Semester Grades	
	30							16 Nov Release of the Winter 2014-2015 Term and Spring 2014-2015 Semester Schedules	
								16 Nov Grade Appeals Deadline for Spring 13-14 Semester and Sum 13-14 Term Final Grades ⁽⁴⁾	
								17 Nov Term B Postgraduate COBA Classes Payment Deadline	
								20 Nov Course Withdrawal Deadline	
								23 Nov Advising and Early Registration Begins	
								26 Nov Appreciation Ceremony for Undergraduate Students (Abu Dhabi Campus)	
								27 Nov Appreciation Ceremony for Undergraduate Students (Al Ain Campus)	
	December 2014								
12	1	2	3	4	5	6		2 Dec UAE National Day	2 Dec UAE National Day
13	7	8	9	10	11	12	13	11 Dec PG COBA Course Withdrawal Deadline	
14	14	15	16	17	18	19	20	15 Dec Financial Aid/Scholarship Requirement Submission for RETURNING Students begins	
	21	22	23	24	25	26	27	21 Dec - 3 Jan Fall Break	
	28	29	30	31				30 Dec Financial Aid/Scholarship Requirement Submission Deadline for RETURNING Students	



PUBLIC HOLIDAY



EXAMINATION DATES



FIRST/LAST DAY OF CREDIT CLASSES

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
FALL SEMESTER 2014-2015									
15	January 2015							1 Jan Gregorian New Year	1 Jan Gregorian New Year
	4	5	6	7	8	9	10	3 Jan Prophet Mohammed Birthday "May Peace be Upon Him" ⁽¹⁾	3 Jan Prophet Mohammed Birthday "May Peace Be Upon Him" ⁽¹⁾
	11	12	13	14	15	16	17	8 Jan Last Day of Classes	
	18	19	20	21	22	23	24	10 Jan Term B PG COBA Last Day of Classes	
	25	26	27	28	29	30	31	11 - 19 Jan Final Exams Week ⁽³⁾	
								22 Jan Final Grades Released ⁽⁴⁾	



ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S M T W T F S	EVENTS	HOLIDAYS
WINTER TERM 2014-2015			
	January 2015 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 Jan Gregorian New Year 3 Jan Prophet Mohammed Birthday "May Peace be Upon Him" ⁽¹⁾ 20 - 22 Jan Advising and Registration for Returning Students 22 Jan Declaration/Change of Major Form Submission Deadline 22 Jan Registration Deadline for Newly Admitted Students 22 Jan Admissions/Transfer Credit Deadline 25 Jan First Day of Classes 25 - 26 Jan Add/ Drop Period 100% Refund 26 Jan Payment Deadline 27 - 28 Jan Course Withdrawal Period 75% Refund 29 Jan & 1 Feb Course Withdrawal Period 50% Refund ⁽²⁾ 29 Jan Graduation Online Application Deadline	1 Jan Gregorian New Year 3 Jan Prophet Mohammed Birthday "May Peace Be Upon Him" ⁽¹⁾
2 3 4	February 2015 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	8 Feb Course Withdrawal Deadline 19 Feb Last Day of Classes 22 - 24 Feb Final Exams Period ⁽³⁾ 26 Feb Final Grades Released ⁽⁴⁾	

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK

S M T W T F S

EVENTS

HOLIDAYS

SPRING SEMESTER 2014-2015

February 2015

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

22 - 26 Feb

Advising and Registration for Returning Students

22 Feb

Accepting Family Discount application starts

25 Feb

Orientation for Newly Admitted Undergraduate Students

25 Feb

Orientation for Newly Admitted Postgraduate Students

26 Feb

Declaration/Change of Major Form Submission Deadline

26 Feb

Admissions/Transfer Credit Deadline

26 Feb

Registration Deadline for Newly Admitted Undergraduate Students

26 Feb

Family Discount Application Deadline



ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S M T W T F S							EVENTS	HOLIDAYS
SPRING SEMESTER 2014-2015									
	March 2015							1 Mar First Day of Classes 1 - 5 Mar Add/Drop Period with 100% Refund 5 Mar Payment Deadline 8 - 12 Mar Course Withdrawal Period with 75 % Refund 12 Mar Graduation Online Application Deadline 15 - 19 Mar Course Withdrawal Period with 50% Refund ⁽²⁾ 29 Mar - 11 Apr Spring Break	
1	1	2	3	4	5	6	7		
2	8	9	10	11	12	13	14		
3	15	16	17	18	19	20	21		
4	22	23	24	25	26	27	28		
	29	30	31						
	April 2015							1 Apr Financial Aid Online Application for NEW Prospective Students (Fall 2015) Begins 16 Apr PG COBA Course Withdrawal Deadline 25 Apr Term A PG COBA Last Day of Classes	
				1	2	3	4		
	5	6	7	8	9	10	11		
5	12	13	14	15	16	17	18		
6	19	20	21	22	23	24	25		
7	26	27	28	29	30				

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK

S M T W T F S

EVENTS

HOLIDAYS

SPRING SEMESTER 2014-2015

May 2015

					1	2
8	3	4	5	6	7	8
9	10	11	12	13	14	15
10	17	18	19	20	21	22
11	24	25	26	27	28	29
	31					

3 - 7 May

Term A Postgraduate COBA Final Exams Week⁽³⁾

14 May

Financial Aid Online Application for NEW Prospective Students (Fall 2015) deadline

16 May

Israa Miaraj Night⁽¹⁾

17 May

Term B Postgraduate -COBA classes begins

17 May

Release of the Summer 2014-2015 Term and Fall 2015-2016 Semester Schedules

17 May

Grade Appeals Deadline for Fall 14-15 Semester and Winter 14-15 Term Final Grades⁽⁴⁾

17 May

Release of Mid-Semester Grades

18 May

Term B Postgraduate -COBA classes Payment Deadline

21 May

Course Withdrawal Deadline

24 May

Advising and Early Registration for Students Begins

27 May

Appreciation Ceremony for Undergraduate Students (Abu Dhabi Campus)

28 May

Appreciation Ceremony for Undergraduate Students (Al Ain Campus)

16 May

Israa Miaraj Night⁽¹⁾



ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
SPRING SEMESTER 2014-2015									
	June 2015							11 Jun PG COBA Course Withdrawal Deadline 18 Jun First Day of the Holy Month of Ramadan ⁽¹⁾ 25 Jun Last Day of Classes 27 Jun Term B PG COBA Last Day of Classes 28 Jun - 6 Jul Final Exams Week ⁽³⁾	
12		1	2	3	4	5	6		
13	7	8	9	10	11	12	13		
14	14	15	16	17	18	19	20		
15	21	22	23	24	25	26	27		
	28	29	30						
	July 2015							7 Jul Summer Break Begins 9 Jul Final Grades Released ⁽⁴⁾	
			1	2	3	4			
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
	26	27	28	29	30	31			



PUBLIC HOLIDAY



EXAMINATION DATES



FIRST/LAST DAY OF CREDIT CLASSES

ABU DHABI UNIVERSITY

ACADEMIC YEAR 2014-2015

WEEK	S	M	T	W	T	F	S	EVENTS	HOLIDAYS
SUMMER TERM 2014-2015									
	July 2015							7 - 9 Jul Advising and Registration for Returning Students	18-20 Jul Eid Al Fitr Holiday ⁽¹⁾
	5	6	7	8	9	10	11	9 Jul Declaration/Change of Major Form Submission Deadline	
1	12	13	14	15	16	17	18	9 Jul Registration Deadline for Newly Admitted Students	
2	19	20	21	22	23	24	25	9 Jul Admissions/Transfer Credit Deadline	
3	26	27	28	29	30	31		12 Jul First Day of Classes	
								12 - 13 Jul Add/Drop Period 100% Refund	
								13 Jul Payment Deadline	
								14 - 15 Jul Course Withdrawal Period 75% Refund	
								16 & 21 Jul Course Withdrawal Period 50% Refund ⁽²⁾	
								16 Jul Graduation Online Application Deadline	
								18 - 20 Jul Eid Al Fitr Holiday ⁽¹⁾	
								26 Jul Release of Mid-Term Grades	
								30 Jul Course Withdrawal Deadline	
	August 2015							10 Aug Last Day of Classes	
4	2	3	4	5	6	7	8	11 - 13 Aug Final Exams Period ⁽³⁾	
	9	10	11	12	13	14	15	16 Aug Final Grades Released ⁽⁴⁾	
	16	17	18	19	20	21	22		
	23	24	25	26	27	28	29		
	30	31							



PUBLIC HOLIDAY



EXAMINATION DATES



FIRST/LAST DAY OF CREDIT CLASSES

The background features a large, abstract geometric design. It consists of several overlapping triangles. A large green triangle is in the top right corner. Below it, an orange triangle points downwards. The bottom right corner is a light green triangle. The left side of the page is white.

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2014-2015

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