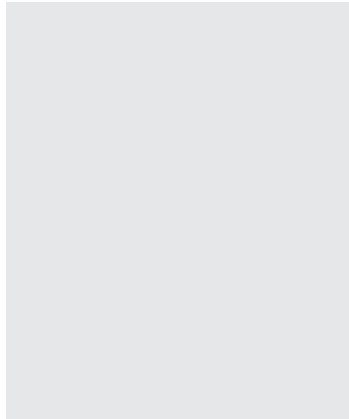


Curriculum

| COURSE CODE | COURSE TITLE | COURSE CODE | COURSE TITLE | COURSE CODE | COURSE TITLE |
|--|---|-------------|---|-------------|---|
| General Education Requirements: 33 Credit Hours | | | | | |
| ARL 100 | Communication Skills in Arabic I | ENG 200 | English II | ENG 305 | Technical Communications for Eng. & Science |
| FWS 100 | Academic Skills for Success | FWS 205 | UAE and GCC Society | FWS 211 | Fundamentals of Emotional Intelligence |
| FWS 310 | Fundamentals of Innovation and Entrepreneurship | ISL 100 | Islamic Culture | MTT 101 | Mathematics for Science and Technology |
| GES 201 | General Science | STT 100 | General Statistics | | |
| Degree Requirements: 36 Credit Hours | | | | | |
| SWE 201 | Structured Programming | CSC 202 | Programming II | CSC 301 | Data Structures and Algorithms |
| CSC 302 | Database Management Systems | CSC 305 | Data Communications and Networks | CSE 210 | Introduction to Cybersecurity Engineering |
| ECT 200 | Introduction to Computing | ITE 390 | Computer Ethics | ITE 399 | Internship/Project in IT |
| ITE 499A | Capstone Design Project I | ITE 499B | Capstone Design Project II | MTT 202 | Discrete Structures and Applications |
| STT 201 | Intermediate Statistics and Research Methods | | | | |
| Major Requirements: 42 Credit Hours | | | | | |
| CSE 420 | Ethical Hacking | CIS 404 | Data Warehousing and Data Mining | CSC 307 | Web Design |
| CSC 308 | Operating systems | CSC 401 | Software Engineering | CSC 408 | Distributed Information Systems |
| ITE 401 | IT Project Management | ITE 402 | Computer Networks Design and Implementation | ITE 408 | Information Security |
| ITE 409 | Human Computer Interactions | ITE 414 | Introduction to E-commerce | ITE 421 | Native Mobile Application Development |
| ITE 422 | System and Network Administration | ITE 442 | Data Science and Big Data Analytics | | |
| Electives: 15 Credit Hours | | | | | |
| ME 1 | Major Elective I | ME 2 | Major Elective II | ME 3 | Major Elective III |
| OE 1 | Open Elective I | OE 2 | Open Elective II | | |
| Concentration | | | | | |
| Cybersecurity Concentration Requirements: 15 Credit Hours | | | | | |
| CSE 300 | Introduction to Digital Forensics | CSE 310 | Introduction to Cryptography | CSE 400 | Network Security and Forensics |
| CSE 410 | Mobile Device Security | CSC 406 | Artificial Intelligence | | |
| Game Development Concentration Requirements: 15 Credit Hours | | | | | |
| CSC 406 | Artificial Intelligence | CSC 404 | Computer Graphics and Animation | ITE 430 | Mobile Game Development |
| ITE 432 | Collaborative Game Design | CE 1 | Concentration Elective! | | |



BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

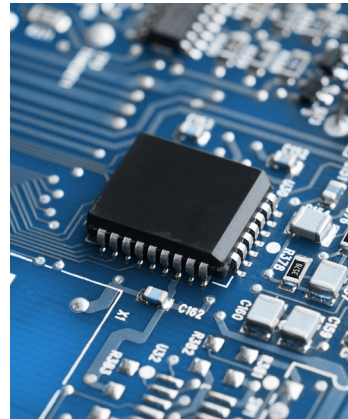
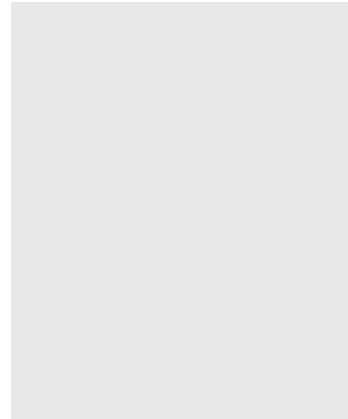


Program Overview

The BSc in Information Technology program is accredited by the Computing Accreditation Commission of ABET, under the commission's General Criteria and Program Criteria for Information Technology and Similarly Named Associate Level Computing Programs.

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 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 have a hands-on experience. Moreover, the IT program at Abu Dhabi University is designed in conformance to international standards and guidelines. This ensures that graduates of the program will be uniquely qualified to design, analyze, integrate, and administer computing technologies.

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.

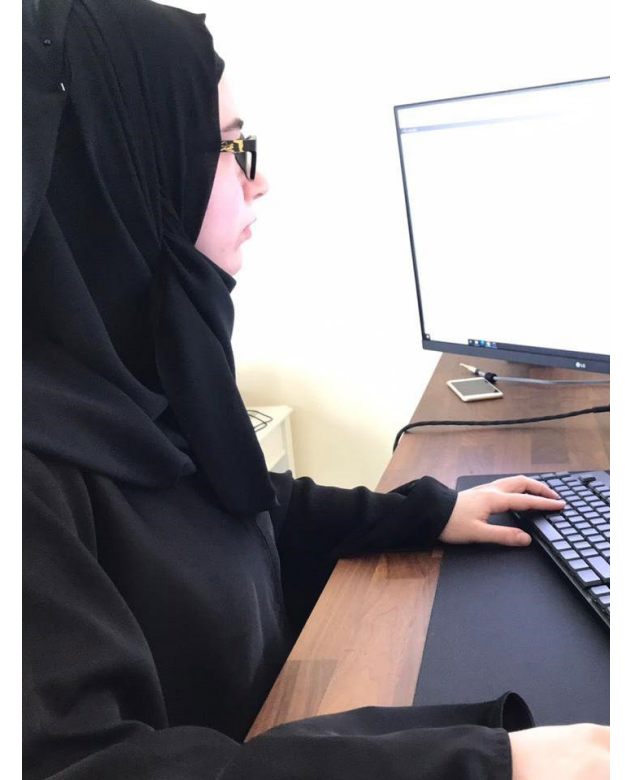


Student's Testimonial

I will forever be thankful to all of ADU Community

Huda Mahmoud Khafaji - Information Technology student

If I had to describe how I felt the first time I entered ADU as a freshman, I would choose the word "terrified". Looking back at that day now, however, I can see how quickly, and without me even realizing, the ADU family has managed to replace that feeling with confidence. As I near graduation, I can easily reflect on my time at ADU's Computer Science department and notice how much that scared freshman has grown. In the span of 4 years, ADU has nurtured me enough that mine and my teammates graduation project was featured in a newspaper. I have both had the chance to grow personally as an active leader in the student body, and academically with 2 research papers to be published in accredited journals soon, and a third to be in progress. As an undergraduate, these achievements are something that I completely owe the ADU faculty for extending the opportunity for. My professors have taught me so much about the power and responsibility that comes with IT. I have always wanted my education to enable me to "help people", and Freshman-me could have never imagined that I would have the capabilities to do that now. I am excited to graduate soon, but I am also quite sad to say goodbye to my days as an IT student at ADU. I will forever be thankful to my colleagues, instructors, professors, and all of ADU's staff.



Career Prospects

- Software Developer
- Web Developer
- Cybersecurity Analyst (for Cybersecurity concentration)
- Data Analyst / Data Scientist
- Network Administrator
- Database Administrator
- Systems Analyst / IT Consultant
- IT Support / Help Desk