

# Curriculum

COURSE CODE	COURSE TITLE	CR.	PREREQUISITE(S)
ITE 501	Cloud Computing	3	Pre-core: CSC302-PC, CSC305-PC
ITE 503	Research Methods and Communications	3	Graduate status
ITE 504	Advanced Big Data Analytics	3	Pre-core CSC302-PC
ITE 510	Advanced Data Communication and Computer Networks	3	Pre-core CSC305-PC
CSE 511	Advanced Ethical Hacking and Penetration Testing	3	Pre-core: CSC302-PC, CSC305-PC, CSC307-PC, CSC308-PC
ITE 515	Artificial Intelligence	3	Graduate status
ITE 591A	Master's Thesis in IT- Part 1	3	15 credits
ITE 591B	Master's Thesis in IT- Part 2	6	ITE 591A
ME	Major Elective	3	Graduate status
<b>Total</b>		<b>30</b>	

## Remedial Courses

Course Code	Course Title	Cr.
CSC 202-PC	Programming II	3
CSC 302-PC	Database Management Systems	3
CSC -305PC	Data Communication and Networks	3
CSC -307PC	Web Design and Programming	3
CSC -308PC	Operating Systems	3

\*A remedial course could be waived by passing a challenge test at the time of admission.



# MASTER OF SCIENCE IN INFORMATION TECHNOLOGY

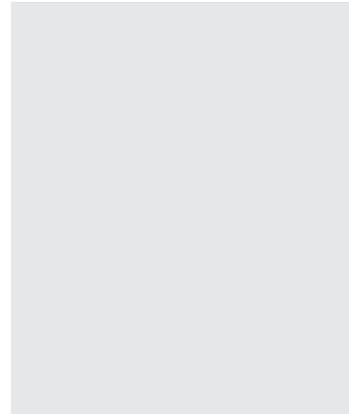


## Program Overview

The Master of Science in Information Technology (MSIT) program at Abu Dhabi University is offered by the College of Engineering. The program requires the completion of 7 graduate-level courses (21 credit hours) in addition to a master's thesis (9 credit hours).

The program accepts students with Bachelor's degree in Information Technology or related fields. Students who lack the background in certain IT subdisciplines, as per their undergraduate transcript, may be admitted conditionally. Such students will need to take some undergraduate level courses determined by the Program Director upon admission to the program. These courses will be considered as remedial courses and will not be counted towards fulfilling the graduation requirement.

The mission of the MSIT program is aligned with ADU mission by providing prospective students, both fresh IT graduates as well as working professionals, with an excellent opportunity to obtain a master's degree in Information Technology. The program offers graduates a highly rewarding career-oriented graduate degree that will improve their chances and contribute to the progress of their career. The program will enable its graduates to develop an understanding of the latest Information Technology issues and to gain technical skills that are essential for effective IT professionals. The MSIT program is also aligned with the needs of the UAE and the region. The UAE economy and Abu Dhabi in particular are in high demand for IT professionals with advanced degrees to develop and manage the various growing sectors such as the banking industry, the construction industry, and the telecommunication industry.



## Student's Testimonial

**BEING A MASTER STUDENT IN MSc IN IT PROGRAM GAVE ME A GREAT LEARNING EXPERIENCE**

**Wedad Ahmed Al-Dhuraibi** - Master of Science in Information Technology Student

Being a master student in MSc in IT program gave me a great learning experience that built my IT skills, and enabled me to communicate better, learn more and grow stronger. To me, ADU is the bridge to success hence giving me the opportunity to work in a research group while being funded. With ADU, I have been afforded multiple opportunities for involvement in research, continuing education and advancement of skills through hands on and advanced courses. I was able to do my own publications and to participate in multiple research conferences. I would like to take this as an opportunity to thank Prof. Mourad Elhadeif for accepting me to be part of his research group. Being surrounded by resourceful and encouraging faculty members motivates me to push myself beyond my limits and to focus on learning rather than grades as learning is a lifelong process that does not end after graduating. It is the people that I have met in this program, both mentors and peers, that have made it such a valuable experience and that pushed me to succeed. ADU, it was an immense honor and a privilege to be part of you.



## Career Prospects

- Obtaining a Master of Science in Information Technology from ADU opens the door for better employment opportunities in multinational high-tech companies in telecommunication and internet
- Leads to fast-track promotion and a salary increase of up to 50%