ALDAR
UNIVERSITY COLLEGE
كلية الـــــــــدار الجـــــامعية

CATALOGUE
2021-2022

ALDAR University College

Al Gharoud, Dubai, UAE P.O. Box 35529

Telephone: +971-42826880 info@aldar.ac.ae

www.aldar.ac.ae

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CURRENT YEAR'S ACADEMIC CALENDAR

ACADEMIC CALENDAR 2021 - 2022

Semester	Start Date	Closing Date	Activity	Duration (No. of Days)
Fall 2021 – 2022	01 Aug 2021	18 Sep 2021	**Admission & Registration for Fall**	49
	19 Sep 2021	25 Sep 2021	Late Admission & Registration (Extended Deadline for Registration)	7
	26 Sep 2021	02 Oct 2021	Add and Drop of Courses/Deferral	7
	26 Sep 2021	22 Jan 2022	Teaching/Course Delivery	119
	21 Nov 2021	27 Nov 2021	Mid Term Examination	7
	03 Oct 2021	15 Jan 2022	Withdrawal of course to avoid "FA" (Fail due to Attendance)	105
	19 Oct 2021	**19 Oct 2021**	**The Prophet's Birthday**	**1**
	30 Nov 2021	**30 Nov 2021**	**Martyr's Day ***	**1**
	01 Dec 2021	**02 Dec 2021**	**UAE National Day ***	**2**
	12 Dec 2021	25 Dec 2021	Winter Break	14
	01 Jan 2022	**01 Jan 2022**	**New Year's Day**	**1**
	23 Jan 2022	29 Jan 2022	Final Examination	7
	01 Feb 2022	01 Feb 2022	Announcement of Final Grades	1
	02 Feb 2022	03 Feb 2022	Grade Appeal for Final Examination	2
	30 Jan 2022	05 Feb 2022	Deadline to complete Final Exam for incomplete cases as per schedule	7
	30 Jan 2022	05 Feb 2022	**Teaching Break**	**7**
SPRING 2021-2022	12 Dec 2021	29 Jan 2022	**Admission & Registration for Fall**	49
	30 Jan 2022	05 Feb 2022	Late Admission & Registration (Extended Deadline for Registration)	7
	06 Feb 2022	12 Feb 2022	Add and Drop of Courses/Deferral	7
	06 Feb 2022	04 Jun 2022	Teaching/Course Delivery	119
	27 Mar 2022	09 Apr 2022	Spring Break	14
	10 Apr 2022	16 Apr 2022	Mid Term Examination	7
	13 Feb 2022	28 May 2022	Withdrawal of course to avoid "FA" (Fail due to Attendance)	105
	01 May 2022	**05 May 2022**	**Eid-al-Fitr ***	**5**
	05 Jun 2022	11 Jun 2022	Final Examination	7
	14 Jun 2022	14 Jun 2022	Announcement of Final Grades	1
	15 Jun 2022	16 Jun 2022	Grade Appeal for Final Examination	2
	12 Jun 2022	18 Jun 2022	Deadline to complete Final Exam for incomplete cases as per schedule	7
	13 Jun 2022	19 Jun 2022	**Teaching Break**	**7**
Summer I 2021-2022	01 May 2022	11 Jun 2022	**Admission & Registration for Summer 1 and Summer 2**	42
	12 Jun 2022	18 Jun 2022	Late Registration (Extended Deadline for Registration)	7
	19 Jun 2022	23 Jun 2022	Add and Drop of Courses	5
	19 Jun 2022	30 Jul 2022	Teaching/Course Delivery	42
	26 Jun 2022	23 Jul 2022	Withdrawal of course to avoid "FA" (Fail due to Attendance)	28
	09 Jul 2022	**12 Jul 2022**	**Day of Arafat & Eid Al Adha ***	**4**
	10 Jul 2022	16 Jul 2022	Mid Term Examination	7
	31 Jul 2022	02 Aug 2022	Final Examination	3
	04 Aug 2022	04 Aug 2022	Announcement of Final Grades	1
	06 Aug 2022	06 Aug 2022	Grade Appeal for Final Examination	1
	03 Aug 2022	09 Aug 2022	Deadline to complete Final Exam for incomplete cases as per schedule	7
	09 Aug 2022	09 Aug 2022	Islamic New Year	1
	03 Aug 2022	**06 Aug 2022**	**Teaching Break**	**4**
Summer II 2021-2022	07 Aug 2022	17 Sep 2022	Teaching/Course Delivery	42
	29 Aug 2022	04 Sep 2022	Mid Term Examination	7
	14 Aug 2022	10 Sep 2022	Withdrawal of course to avoid "FA" (Fail due to Attendance)	28
	18 Sep 2022	20 Sep 2022	Final Examination	3
	22 Sep 2022	22 Sep 2022	Announcement of Final Grades	1
	24 Sep 2022	24 Sep 2022	Grade Appeal for Final Examination	1
	21 Sep 2022	27 Sep 2022	Deadline to complete Final Exam for incomplete cases as per schedule	7
Note:	**Annual Holidays are subject to change based on the decision of UAE Government.**			

BRIEF STATEMENT OF INSTITUTIONAL HISTORY

ALDAR University College (ADUC) was established in 1993 as a private institution under the name of Computer Centre, offering basic training programs in computer hardware and software.

The Ministry of Education-Higher Education Affairs MOE-HEA, initially licensed the College in 2000 as a higher education provider. The College was henceforth authorized to award degrees and qualifications. The College designation was also changed from Computer Centre to ADUC. Initially, the programs offered by the College were exclusively at the Associate degree level.

The Board of Trustees of ADUC has the overall responsibility of the government of the College. It oversees and monitors all the activities of the College and determines its overall strategy and policies.

VISION, MISSION, AND INSTITUTIONAL GOALS

Vision

To be a leading and an internationally recognized higher education institution, contributing to the knowledge creation, technology and entrepreneurship in United Arab Emirates and the Region.

Mission

To offer competitive educational programs that are related to technology, critical thinking and innovation, targeting a diverse population, aiming at developing and strengthening their careers. To engage with the society in the creation of knowledge and promotion of research to achieve local and regional development and sustainability.

Strategic Goals

Education

Goal 1: To promote the lifelong learning of well-educated, highly skilled, and adaptable alumni who lead enriched lives, are engaged citizens and thrive in a dynamic global market.

- **Objective 1.1:** Strengthen and expand innovative academic programs to enhance national and global reputation.
- **Objective 1.2:** Ensure student success through holistic development that addresses diverse needs.
- **Objective 1.3:** Create a core curriculum focused on technological modeling and developing socially conscious global citizens and leaders.
- **Objective 1.4:** Foster access, inclusive excellence and equity in teaching, learning and mentorship development programs.

Research, Innovation & Economic Development

Goal 2: To conduct high-impact applied research and innovation to advance frontiers of knowledge, solve global problems and improve lives.

- **Objective 2.1:** Enhance institutional culture of collaboration and innovation
- **Objective 2.2:** Drive research and innovation across the enterprise. Strategic Plan 2021-2026
- **Objective 2.3**: Support the community through innovative ideas and processes

Community Engagement

Goal 3: To be a major social and economic contributor creating robust partnerships to build a prosperous and sustainable future for our regional communities and the United Arab Emirates

Objective 3.1: Expand access to community engagement resources

Objective 3.2: Develop mutually beneficial partnerships

Objective 3.3: Broaden scholarship in the field of community engagement

Objective 3.4: Integrate engagement throughout the college

BOARD OF TRUSTEES

MEMBERSHIP AND PROTOCOL

The BOT of ADUC:

a. The Board of Trustees of ADUC shall consist of nine voting members, excluding the President who is the *ex officio* member, one-third of the BOT are the shareholders.

b. In case a Trustee seat is vacant, the Chairman may propose new Trustee candidates who shall be appointed by a decision of the Board.

c. A Trustee may be removed from the Board by a decision of the Board upon a proposal of the Chairman.

d. Members shall represent the broader UAE community including academic expertise having the capability to guide the policies and strategic planning of ADUC.

e. One member will be elected as Chairman of the BOT of ADUC, who is not an owner, investor or shareholder and has no other financial interest in ADUC.

f. the term of office for BOT members is a period of five years;

g. is not involved in management decisions or the day-to-day operation of the institution;

h. takes active measures to ensure that it operates with the highest levels of integrity, honesty and ethical behavior in all its dealings and decision making;

i. meets at least twice annually; and

j. to appoint secretary to maintain official records/minutes of all meetings.

Composition of ADUC Board of Trustees:

S. No.	Names	Position

1	Dr. Mohammed Binjber Al Shamsi	Chairman
2	Dr. Ahmed Mohammed Al Jasmi	External Governor
3	Mr. Ziad Eida	Member
4	Engr. Mr Jamal Ghafaf	Member
5	Engr. Amin Qadadeh	Member
6	Prof. Sultan Abu Orabi	Member
7	Mr. Ali Ghuname	Shareholder
8	Dr. Mohammed Al Suwaidi	Shareholder
9	Mr. Mohamed Eliwa Ghonim Shalaby	Shareholder
10	Prof. Ezz Hatab, President	Ex-Officio

Board of Trustees
Member Profile

Name: Dr. Muhammad Jaber Ahmad Al Shamsi

Designation: Member of the Board of Directors of the Ajman Club

Member of the Ajman Association for Social Development and Culture

Qualification(s): PhD in public law

MA in Maritime Law

Profession: Director of the criminal legal and financial consulting office

Criminal investigation director

Contact Details:

Mobile: +971-524446666

Email Id: d.m.binjber@gmail.com

ned Mohammed Hassan Al Jasmi

the International Agreements Department

PhD in Public Law (Philosophy of Law)

Profession: Teaching Faculty – Police Academy

Contact Details:

Mobile: +971-509997359

Email Id: amhm1980@gmail.com

Name: Mr. Ziad Eida

Designation: Member

Qualification(s): MSC in Engineering,

Profession: Consulting Firm Engineering Management

Contact Details:

Mobile: +971508875241

Email Id: ziad.eida@aldar.ac.ae

Name: Jamal Tawfiq Qaffaf

Designation: Member of the BOT / Shareholder

Qualification(s): University of London BSC, Electronic Eng.

Profession: CEO of Business Strategies LLC

Contact Details:

Mobile: +971506859720

Email Id: jamal.ghafaf@aldar.ac.ae

Name: Amin Yasin Qadadeh

Designation: Member

Qualification(s): B. Sc. Electronics 1991 Pune University India

Profession: General Manager, The One and Only Advertising

Contact Details:

Mobile: +971564663334

Email Id: a.qadadeh@gmail.com

Name: Prof. Sultan Abu Orabi

Designation: Partner / Shareholder

Qualification(s): ex-Secretary General of the Association of Arab Universities Amman

Profession: Professor in Yarmouk University, Amman Jordan

Contact Details:

Mobile: +966874552214

Name: Ali Ghuname

Designation: Member of the BOT / Shareholder

Qualification(s): MSc (Master in Computer Science, Liverpool John Moors University, Liverpool, UK.

Profession: Owner of ADUC

Contact Details:

Mobile: +971506519660

Email Id: ghuname@gmail.com

Name: Dr. Mohammed Al Suwaidi
Designation: Partner / Shareholder
Qualification(s): PhD in Maritime Commercial Law -
Republic of Egypt
Profession: Head, Ministry of Interior; Head of Happiness
Section - Ajman Police
Contact Details:
Mobile: +971559365321
Email Id: mohammed.alsuwaidi@aldar.ac.ae

Name: Mohamed Eliwa
Designation: Member of the BOT / Shareholder
Qualification(s): MSc (Master in Computer Science, Liverpool
John Moors University, Liverpool, UK.
Profession: CEO, Arabia Inform Global Cairo University
Contact Details:
Mobile: +971558749635
Email Id: mohamed.eliwa@aldar.ac.ae

Name: Prof. Ezz Hatab
Designation: Ex Officio / President
Qualification(s): Ph.D. (Web Content Change Management) (Distinction)- 2002,
National Technical University of Athens, Greece.
Profession: President, ALDAR University College
Contact Details:
Mobile: +971566945511

Email Id: president@aldar.ac.ae

INSTITUTIONAL LICENSURE AND PROGRAM ACCREDITATIONS

Accreditation and Licensure

ADUC located in the Emirates of Dubai, is officially licensed since 2000, by MOE-HEA, of the United Arab Emirates to award degrees/qualifications in higher education.

In 2001, the Diploma of Computer Studies was granted initial accreditation by the MOE-HEA,. On MOE-HEA, recommendation, this program was gradually phased out by August 2013. A new program, the Associate of Science in Computer Science was granted initial accreditation in 2011.

Subsequently, in 2003, the Diploma in Business Administration was accredited by the MOE-HEA. In 2010, the Associate Degree in Finance received initial accreditation and in 2011 the Associate Degree in Business Administration was granted full accreditation.

In 2011, the Associate Degree in Business Administration was granted full accreditation.

In August 2013, Computer College shifted to a brand new building, purposely prepared and equipped to the College requirements. The new campus is spread over five floors, with a total area of 50, 892 sq. ft. The Campus offers adequate access with three entrances and three underground floors for parking with a total capacity of 160 cars.

In addition, the Bachelor of Business Administration with concentrations of Human Resource Management, Marketing and Accounting and the Bachelor of Information Technology were granted Initial Accreditation by the MOE-HEA, in August 2013

In August 2014, the name of the College was changed to “ADUC” to adequately reflect its new program portfolio and positioning. Furthermore, the academic status of the institutions was upgraded to University College.

In 2016, the Bachelor of Science in Communication Engineering and Computer Engineering programs were granted Initial Accreditation effective August 2016.

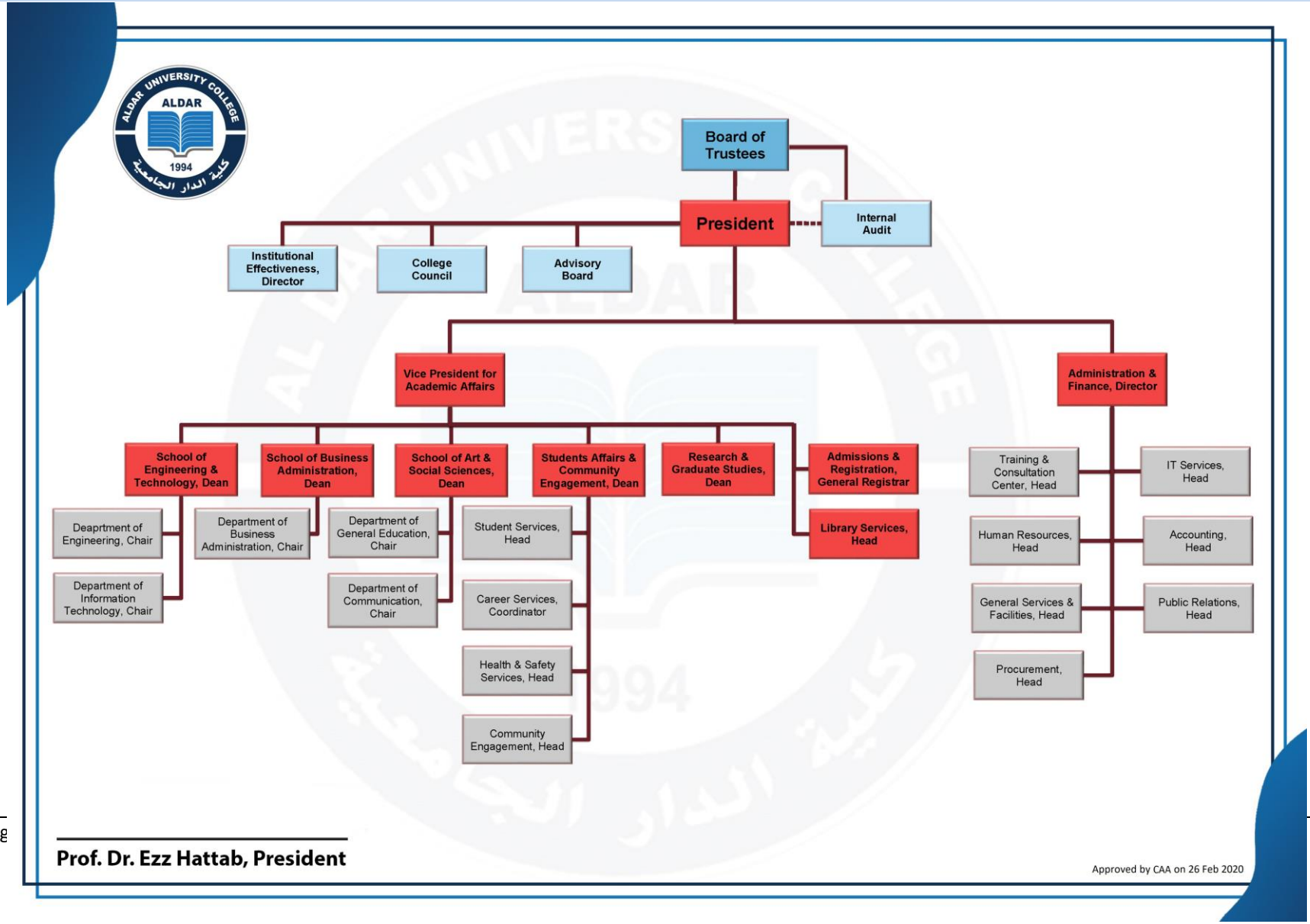
In September 2017, the MOE-HEA, approved the Cyber Security concentration to the Bachelor of Computer Engineering Program.

Additionally, the MOE-HEA, also approved the concentrations of Cloud Computing, Mobile Application Development and Multimedia and Game Development to the Bachelor of Information Technology Program in September 2017.

Effective from Dec 2017, the MOE-HEA, granted Initial Accreditation to Bachelor of Science in Electrical Engineering with concentrations in Smart Grid Systems and Automatic Control Systems.

In February 2018, approval was given by MOE-HEA, to three more concentrations to the Bachelor of Business Administration Program, namely – Industrial Management, Finance and Hospitality Management.

ORGANISATION CHART



INSTITUTION'S RESOURCES AND PHYSICAL SETTING

Library

Al-Dar University College library supports the educational mission of the College by providing essential educational support to the College community, through its collection of books, eBooks, databases and, multimedia and internet resources.

Library Resources

Resource Type
Books
Journals & Magazines
e-Databases & Association Memberships
CDs/DVDs
Number of Computers

Acquisition

The library acquires print materials (books, periodicals, pamphlets, maps, etc.), audiovisuals materials (microforms, audiocassettes, videocassettes, DVD, etc.) and electronic resources. The Library acknowledges the continuous change and evolving process of information technologies and is open to new formats that support the mission of the library / college.

Online Public Access Catalog

The library collections are managed through software called Resource mate. It manages the library acquisitions, cataloging, circulation and public access using the system. After library materials are electronically cataloged using the Online Public Access Catalog (OPAC) database, the bibliographic records are exported to website for use by the library users.

Library Services

The library provides the following services to its users:

- Online Public Access Catalogue (OPAC)
- Internet/CD ROM Search Assistance
- Online Resources Services
- Multi-Media Room Facility
- News clipping Service
- Reference/Referral Service

- Current Awareness Service (CAS)
- Selective Dissemination of Information (SDI)
- Query Based Service (QBS)
- Table of Content
- APA formatting

Online Library Services

The Library is equipped with computer terminals with internet access. Students can access online databases subscribed by the library.

General Rules of Library

- Be courteous to others by maintaining low voices.
- Please take care of the materials borrowed.
- Mobile phone, eatables, and drinks are strictly not allowed inside the library premises.

Circulation Policy

The LRC computerized library system allows students to reserve and to borrow learning resources. Each student must present his/her valid staff/student card when borrowing or returning items.

Students can borrow up to two books for a period of two weeks that may be extended for another week.

Clearance Certificate/No Dues Certificate

All those who leave the college must return, replace or pay for all outstanding print and non-print materials that they have not returned to the Library. ALDAR Library will issue the clearance certificate to any student only after he/she returns the borrowed materials from the Library.

IT Services

IT services at the College presently include a wide range of software's, a web based portal (Google Classroom) through which students can interact with Faculty members. Internet services are accessible throughout the Campus to all stakeholders.

The College is presently equipped with two Computer Laboratories and a Multi-media lab. The labs are mainly used for learning, teaching, and resource needs of the

offered degree programs. The labs are used for different students learning support activities such as general computing skills and knowledge of hardware and software concepts. The labs are also available to students for their requirements related to course assignments, project work, etc.

ADUC provides the appropriate technology support to all its instructional and research activities. All classrooms and laboratories are equipped with smart interactive boards, LCD projectors and internet access.

The College IT infrastructure also provides the necessary facilities to Faculty members to conduct research through Broad Band Internet access, various software applications related to the disciplines thoughts at the College.

Faculty and students have access to online services through the College server such as emails, SMS as well as through the Learning Management System, Google Classroom.

IT Services at the College are provided through GIGA byte network of fiber optic cables and broad band WIFI across the campus. ADUC has its own in-house servers, routers, switches, access points and fire walls. To increase the level of reliability and security of the IT system at the College, all the computers are connected through cable networks.

Anti-virus shield software is installed on all computers and regular virus scan are carried out on a monthly basis on all hard disks.

Computer Laboratories

Computer labs and computing facilities are available to all students. The primary purpose of the computing and network resources at the College is to assist students, faculty and administrative staff in their respective goals. Students are expected to make proper use of the facilities, act responsibly and avoid any use of the computing resources that could violate student's code of conduct.

Improper and illegal uses of these facilities include:

- unauthorized downloading of proprietary software;
- transmission through the College computing and network system of illegal material containing pornographic, harassing, violence contents;
- copying of copyright material without the owner's authorization;

- using the computer laboratories for personal and/or non-academic purposes;
- improper behaviour putting at risk of disruption the computing and network facilities of the College;

Laboratory Regulations

- Food and drink shall not be brought into, stored in or consumed in a laboratory.
- Smoking is prohibited in laboratories.
- You must work quietly in laboratory.
- Be tidy and keep the laboratory clean.
- Unauthorized person(s) are not allowed in a laboratory.
- Laboratory session must be attended on time, and students coming late will not be allowed to enter the laboratory.
- Before leaving, users should arrange all equipment on their tables.
- Report all problems to the laboratory supervisor.

Safety and Security of the Computer Labs

- The IT Department is responsible for the installation of anti-virus shield software on all computers at the Institute. This software must be of the type that updates itself through the vendor web site online on a daily basis.
- The IT Department must carry out regular virus scans on the hard disk(s) of all computers in ADUC (monthly).
- The IT Department must set up all computers to have a password on the CMOS setup in order to prevent students from changing the system configuration.

Learning Support Centers

Professional Training and Continuing Engagement Department:

ADUC offers challenging and exciting educational programs to the local community. These programs are outside the framework of ALDAR's regular academic programs and offer training and development in such areas as International Business Skills, IT skills, soft-skills workshops and foreign languages. Apart from above, this department also offers IELTS preparation as well.

Study Rooms

There are four rooms available for students' study. The rules and regulations are as follows:

- The study rooms for students have to be reserved in advance. The group that wants to use the rooms for discussion should give their names and the time for use at least one day before the requirement.
- The rooms are for studies and group discussions purpose only.

Recreational Facilities

ALDAR provides dedicated recreational area for students so that they can get together to play games and socialize. The Office of Student Services manages the following facilities.

Fitness Center

The fitness center is free of charge for the enrolled students. Students can have their own lockers and the Office of Student Services manages the log.
Fitness Center Timings: opened from Saturday till Sunday

Activities Room

The activities room is equipped with a table tennis table, foozball table and carom.
Activities Room Timings: Saturday – Thursday, 9 AM – 9 PM.

Activity area

Student can make use the area in front of the Office of Student Services located at the ground floor for the extracurricular activities like cultural day, in house programs and club meetings.

Residence halls

ALDAR facilitates the students coming from abroad in finding hotels or apartments for the duration of two or three weeks.

Dinning Services

ADUC has a cafeteria on campus for students where food and beverages are served at reasonable prices.

Health Services

The clinic is available for all faculty, staff, and students. Services include treatment for minor health emergencies and conditions, dispensing medication for minor health problems, providing individuals with medical referrals, and offering

information on health-related issues. The clinic is open from Sunday to Thursday and on Saturday. Throughout the semester, the clinic conducts a number of educational sessions focused on health awareness.

Other Services

Prayer Rooms

ADUC has two prayer rooms. The Male and Female Prayer rooms are located in the Third Level.

Lost and Found

The Lost and Found is located at the Office of Student Services. Lost and found items are held for a period of three months. After the holding period expires, unclaimed items will be disposed as follows:

- Cash will be deposited into charity accounts
- Student ID cards, passports and official documents will be turned over to the Office of Admission & Registration
- Other items such as personal accessories, valuables, clothes, bags, and books will be donated to charity organizations
- Other items that cannot be donated will be discarded

Bookstore

The Library Bookstore is located in the Fourth floor of the Building. The bookstore sells all required core texts recommended by Faculty members.

Photocopy Facilities

A photocopier and a LaserJet printer are available for student use in ALDAR Library. Copyright laws must be respected and adhered to, all the time.

Transportation Services

ALDAR provides transportation services to students living in Dubai, Sharjah, or Ajman. Students will be picked up and dropped off at designated areas. Students should contact the Office of Student Services at the beginning of each semester.

Parking Services

Ample Parking lots are provided for faculty, staff, students and visitors with three dedicated basement floors.

COOPERATIVE RELATIONSHPS

Educational / Cultural / Community Organizations

Partnerships have been entered with the following Educational Institutions:

1. Laurea University Finland,
2. Institute of Business Management Karachi,
3. Columbia University, NY, USA,
4. Prince Soumaya University Jordan

Aldar has added a course in Innovation and Entrepreneurship in collaboration with the Stanford Center for Professional Development, Palo Alto, USA & conducted internal workshop for innovation. ALDAR's Course of Design Thinking, Innovation and Entrepreneurship and its partnership with Laurea University on Service Design Thinking, led to sending students to Finland for a Summer Course on Design Thinking in winter of 2017. Faculty were also trained on Design Thinking Brain Storming Sessions.

Aldar uses awareness activities throughout the year to disseminate information on Innovation workshops, events, cultural activities, research meetings, hosting of international conferences & international partners, calling & visiting industry partners, inviting guest lectures etc.,

As a leader ALDAR drives, encourages and sponsors Innovation by supporting, encouraging, building teams and appreciating efforts. The board and top management are committed on innovation and attend meetings and workshops in this regards and support and sponsor related initiatives.

Aldar manages it through internal, external and international partnerships, collaborations, training, brainstorming, top-down and bottom-up learning and thinking approaches. These relationships built and nurtured over time will enhance and enrich the program and will deeply benefit students entering the program through synergies and collaboration partnership opportunities.

PROGRAMS AND DEGREES OFFERRED

School/Department	Program	Concentration
School of Arts and Social Sciences	**Bachelor of Arts in Mass Communication**	Public Relations
School of Business Administration	**Bachelor of Business Administration**	Human Resource Management
		Marketing
		Accounting
		Industrial Management
		Hospitality Management
		Finance
School of Engineering & Technology	**Bachelor of Information Technology**	General
		Multimedia and Game Development
		Cloud Computing
		Mobile Application Development
	Bachelor of Science in Communication Engineering	General
	Bachelor of Science in Computer Engineering	General
		Cyber Security
	Bachelor of Science in Electrical Engineering	Automatic Control Systems
		Smart Grid Systems

Academic Statistics

	NUMBER OF STUDENTS	NUMBER OF FULL TIME FACULTY	STUDENT FACULTY RATIO
SCHOOL OF BUSINESS ADMINISTRATION	**249**	**10**	**25:1**
SCHOOL OF ENGINEERING & TECHNOLOGY	**261**	**12**	**22:1**
SCHOOL OF ARTS AND SOCIAL SCIENCES	**211**	**9**	**23:1**
TOTAL	**721**	**31**	**23:1**

ADMISSION REQUIRMENTS AND PROCEDURES

ADMISSION REQUIREMENTS

School of Business Administration	
Name of Department	**Department of Business Administration**
Title of Degree Program	Bachelor of Business Administration (English)
Concentration	1. Human Resource Management 2. Marketing 3. Accounting 4. Finance 5. Industrial Management
Condition/Requirement 1	A UAE High School Certificate with a minimum average of 75% for Advanced or Elite Track or 80% for General Track or equivalent in Standardized International.
Condition/Requirement 2	Passing EmSAT in English Language with a score of 1200, or its equivalent on other national or internationally-recognized tests approved by the CAA, such as TOEFL ITP score of 550 or 5.5 IELTS academic.
Condition/Requirement 3	EmSAT score of 600 for Arabic Language. Alternatively, international students can register for a non-credited Basic Arabic Language course at ADUC.
Condition/Requirement 3	EmSAT score of 700 in Mathematics or equivalent.
Condition/Requirement 4	Passing the personal interview set by School of Business Administration

School of Engineering and Technology	
Name of Department	**Department of Engineering**
Title of Degree Program	Bachelor of Science in Computer Engineering 1. General 2. Cyber Security Bachelor of Science in Electrical Engineering 1. Smart Grid Systems 2. Automatic Control Systems
Condition/ Requirement 1	Hold a UAE High School Certificate a minimum High School Average of 80% for Elite Track, or 85% for Advanced Track or equivalent in Standardized International Systems is required.
Condition/ Requirement 2	Passing EmSAT in English Language with a score of 1200, or its equivalent on other national or internationally-recognized tests

	approved by the CAA, such as TOEFL ITP score of 550 or 5.5 IELTS academic.
Condition/ Requirement 3	Passing EmSAT in Mathematics with a score of 1000 or equivalent.
Condition/ Requirement 4	Passing EmSAT in Physics with a score of 900 or equivalent.
Condition/ Requirement 5	Passing EmSAT in Arabic Language with a score of 600 or equivalent. Alternatively, non-native Arabic speakers can enroll in a non-credit "Introduction to Arabic Language" course at ADUC.
Condition/ Requirement 6	Passing the personal interview set by School of Engineering and Technology.

School of Engineering and Technology	
Name of Department	**Department of Information Technology**
Title of Degree Program	Bachelor of Information Technology
Concentration	1. General 2. Mobile Application Development 3. Cloud Computing 4. Multimedia and Game Development
Condition/ Requirement 1	Hold a UAE High School Certificate A minimum High School Average of 75% for Elite Track, or 80% for Advanced Track or equivalent in Standardized International Systems is required.
Condition/ Requirement 2	Passing EmSAT in English Language with a score of 1200, or its equivalent in other national or internationally-recognized tests approved by the CAA, such as TOEFL ITP score of 550 or 5.5 IELTS academic.
Condition/ Requirement 3	Passing EmSAT in Mathematics with a score of 1000 or equivalent.
Condition/ Requirement 4	Passing EmSAT in Physics with a score of 900 or equivalent.
Condition/ Requirement 5	Passing EmSAT in Arabic Language with a score of 600 or equivalent. Alternatively, non-native Arabic speakers can enroll in a non-credit "Introduction to Arabic Language" course at ADUC.
Condition/ Requirement 6	Passing the personal interview set by School of Engineering and Technology.

Conditional Admission

Candidates who do not fulfil the Admission Requirements and Conditions as stated, are admitted on the condition that they will fulfil the required admission requirements and conditions within the stipulated time period, failing which they will be dismissed from the college. Generally, the situations in which the conditional admission is provided are as follows:

- Deficiency in required documents.
- Deficiency in English Proficiency certification.

Enrollment on Conditional Admission

Allow conditionally admitted students to take no more than 12 semester credits (or equivalent) of appropriate General Education course work to contribute towards an undergraduate degree; or such other broadly comparable limits on credits as are available in the system in use within particular institutions.

Application Fee and Procedure

Application Procedure and Documentation Requirements

Applicants, seeking admission to the undergraduate programs, must submit the following documents:

- Application Form, completed and signed by the applicant
- A non-refundable seat reservation charges of AED 4,000 adjustable at the time of the registration
- High School Certificate (Original or Certified copy) and a final grade report approved by the school and by the UAE Ministry of Education or Abu Dhabi education Council program (ADEC)
- TOEFL (or equivalent) score certificate in original
- Official Academic Transcripts
- Four passport size photographs
- Copy of passport and Emirates ID card
- No objection letter from NATIONAL MILITARY SERVICE for UAE Nationals

High School Certificate Attestation

Candidates, from high schools in the UAE, must attest their certificates and transcripts by the UAE Ministry of Education

High School certificates and transcripts obtained abroad must be attested by:

- Ministry of Education of the country of study
- Ministry of Foreign Affairs of that country
- UAE Embassy in that country, or the Embassy of the country of study in the UAE, and the UAE Ministry of Foreign Affairs

In addition, an equivalency letter is required from the UAE Ministry of Education.

Transfer Admission Policy

- ADUC has a committee that includes staff of the registration unit and subject matter specialists in making decisions regarding transfer admissions, transfer of credit and advanced standing; records of all decisions and related documents are maintained.
- ADUC ensures that only students transferring from UAE institutions recorded in the National Register of Licensed HEIs, or other organizations in the UAE approved by the CAA, or recognized institutions of higher learning located outside the UAE, are eligible for transfer admission
- Requires all entering transfer students must present valid certification (EmSAT, TOEFL, IELTS or other certification approved by CAA) demonstrating the required language competency scores for full admission
- Requires students transferring from other institutions into a program in the same field of study are in good academic standing (for undergraduates, a minimum CGPA of 2.0 on a 4.0 scale, or equivalent), based on the teaching, learning and assessment system employed in the organization at which they initially enrolled, demonstrated by certified transcripts or other evidence
- Permits external or internal students who are not in good academic standing to transfer only to a program in a field distinctly different from the one from which the student is transferring
- Transfers undergraduate program credits only for courses relevant to the receiving degree that provide equivalent learning outcomes and in which the student earned a grade of C (2.0 on a 4.0 scale) or better
- The transferred courses are credited hours, but no grade points are assigned and therefore, not considered in the student's CGPA calculation
- Requires the submission of official transcripts showing all post-secondary work attempted at all institutions attended
- Requires the transfer students to meet all of the admission requirements of the receiving institution and program, and does not allow, under any circumstances, transfer students to be admitted under the provisions stipulated for conditional admission
- Limits the number of transfer credits which may be applied to a specific undergraduate degree program; the limit may not exceed 50% of the total number of credits which are required to complete a degree

- Does not grant credit twice for substantially the same course taken at two different institutions
- Does not allow credits for graduation projects and thesis to be transferred
- Treats work taken under an articulation agreement with another institution as transfer credit
- Provides for timely written notification to the student, prior to admission, of the transferability of credit, how much credit is granted, and how the accepted credit will be applied to the degree program of the receiving institution

Substitute course policy

Students are expected to complete the degree as per the study plan, however under unusual circumstances the course substitution policy can be applied with the following conditions:

Policy Statement can be applied for a student only once and for only one course during the entire study plan

- The student is currently active in the program
- The student is a graduating student in the current semester
- Course to be substituted is related to the same field.
- Course to be substituted must be equal to or greater in credits and level than the required course
- The course to be substituted is not offered during the semester or the student cannot register due to conflict with other compulsory courses.

Procedure

- The student academic advisor will forward the request to the Chair of the Department.
- The Chair of the Department will discuss the request with the Dean.
- If approved, the dean office will direct the General Registrar to offer the course to the student accordingly.
- The dean will further communicate with office of the Vice President for Academic Affairs for information.

- The General Registrar will prepare a "Course Substitution Form" that will be signed by the student, advisor, chair and the dean and will be placed in the student file for records.

POLICIES REGARDING WITHDRAWAL AND READMISSION

Withdrawal / Add and Drop

Students may drop courses during the first week of the Program (Add and Drop period). Courses(s) dropped during the first week are fully refunded and will not appear on the student transcript. Fees of course(s) dropped after the Add and Drop period are not refunded and will appear on the student transcript with a withdrawal (W) grade.

Holding Registration (Deferment)

Students who are enrolled in courses during the semester may ask to hold or suspend their registration for two regular semesters. They should apply for a deferral at the registration office otherwise, the status of the student will be “dismissed”.
Deferral is at the approval of the President at the recommendation of the School Dean and should be applied at the beginning of the semester and extended till the add and drop period of the same semester

Re-Admission

Students who have been dismissed from ALDAR and who wish to be re-admitted must submit a formal re-admission request to the Office of Admission & Registration. In case of approval, the student will be re-admitted to ALDAR.

FINANCIAL POLICIES

FEE STRUCTURE

Program	Per Credit Hours in AED
Bachelor of Science in Communication Engineering	1,200
Bachelor of Science in Computer Engineering • General • Cyber Security	1,200
Bachelor of Science in Electrical Engineering • Automatic Control Systems • Smart Grid Systems	1,200
Bachelor of Information Technology • General • Multimedia and Game Development • Cloud Computing • Mobile Application Development	900
Bachelor of Business Administration • Marketing • Accounting • Human Resource Management • Finance • Industrial Management • Hospitality Management	900
Bachelor of Arts in Mass Communication • Public Relations	900

❖ ***Notes***:

1. **Books not included in tuition fess**
2. **A non-refundable seat reservation charges 4,000 AED adjustable at the time of registration**

Visa Sponsorship	
Particular	**Amount in AED**
Inside the Country (U.A.E) including insurance	4,500
Outside the Country (U.A.E) including insurance	3,000
Visa Renewal including insurance	2,500
Visa Rejected Fees	1500
Visa cancellation	300

Other Fees			
Particular	**Description**	**Amount in AED**	
Application Fees	One time fees	400	
Admission Fees	One time fees	1,500	
Registration & General Services fees	Every Semester (except Summer Semester)	1,000	
Registration & General Services fees	Each Summer Semester	700	
Security Deposit	Refundable	1,000	
Lab Fees*	Courses include Labs	1,000 Per Course	
Book Fees	Bachelor of Mass Communication All other Programs	250/ Course 330/ Course	
Makeup Final Exam (per course)	Payable upon approval of School Dean	1,500	
Grade Appeal	Per course	100	
		Normal	100

Other Fees			
Particular	**Description**	**Amount in AED**	
Official Course Description		Urgent	200
Official Course Syllabus	Per syllabus	Normal	50
		Urgent	100
Official Transcript		Normal	100
		Urgent	200
Quotation	Upon Request	100	
Visa Letter	Upon Request	300	
Other Letters	Upon Request	50	
Letter of Permission	Upon Request	50	
Certified True Copy	Per Document	100	
Late Registration	Per semester	500	
Enrolment Cancellation	Upon Approval	500	
Semester Deferral (Upon Approval)	First Deferral	100	
	Second Deferral	500	
Cheque Return Charges		250	
Cheque Holding Charges		250	
No Objection Certificate		200	
Intensive English Program		5,400	

Other Fees			
Particular	**Description**	**Amount in AED**	
Transportation Fees	Per Semester	Dubai	2,500
		Sharjah	2,700
		Ajman	2,800
Status Petition	Different Program	1,000	
Graduation Certificate Fees	Description	Amount in AED	
		Graduation Fees	Re-issuance Fees
Bachelors (BBA, BIT, BMC,CPE,CME)	Certificate Fees Graduation Ceremony Fees	950 750	600 -

**LAB FEES EFFECTIVE FROM ACADEMIC YEAR 2021-2022.*

Note:

1. ADUC reserves the right to modify its tuition and other fees as and when necessary applicable to all existing and new students.
2. Fees can be increased yearly – maximum by 10%.
3. All fees are subject to 5% VAT (value added tax) except zero rated or exempted supplies specifically mentioned for goods and services in the Law and are non-refundable except if mentioned refundable.
4. To withdraw the previously submitted Postdated Cheque (PDC), the equivalent amount must be paid three days prior to the PDC date.
5. PDC previously submitted cannot be hold for more than ten days; otherwise the penalty will be AED 250 excluding VAT.
6. Cheques should be under the name of ALDAR University College.
7. All the cheques submitted to ADUC are subject to bank clearance.

TUITION FEE PAYMENT PLAN

Students can proceed with settlement of their tuition fees according to the following plans:

Full Payment Plan

Fees can be paid by cash, cheque, online/bank transfer and credit/debit card. Fees are to be paid in full during the registration period as per the dates mentioned in the Academic Calendar.

Instalment Payment Plan

The payment plan will be as follows:

- First instalment – 50% of the total fees for the semester; at the time of registration.
- Second instalment- 25% of the total semester fee. To be paid through post-dated Cheque. The cheque must be deposited at the account's office at the time of registration. The cheque date cannot be of more than one-month gap from the date of registration.
- Third instalment- 25% of the total semester fee. To be paid through post-dated Cheque. The cheque must be deposited at the account's office at the time of registration. The cheque date cannot be of more than two-month gap from the date of registration.

REFUND POLICY

a. 100% Refund of tuition fees including Course fees, Lab fees and Book fees is valid only before the end of Add/Drop Period as per Academic Calendar.

b. Application, admission, registration and general services fees are non-refundable.

c. Seat reservation charges AED 4,000 are non-refundable.

d. In case of no refund, ADUC has the right to encash all the Post-Dated Cheques of the students.

e. Refund amount/ excess amount paid by the students will be carried forward to the student account, which can be further used by the student

for registering courses in the following semester(s). Student cannot withdraw the excess amount until student graduates or withdraws completely from the ADUC.

f. Refund if any (in case if the student withdraws completely from the ADUC or graduates) will be paid to the student through cheque / bank transfer under his name within 21 working days from the date of application.

DISCIPLINARY DISMISSAL

In case of dismissal from the college for disciplinary reasons, the tuition fees paid for the semester of dismissal is not refundable.

Scholarships

ADUC offers a wide array of scholarship schemes to support students financially in their education. The Scholarship Program consists of the following:

1. High School Merit Scholarship
2. Academic Distinction Scholarship
3. Sibling Discount Scholarship
4. Governmental Employee Discount Scholarship
5. School Agreements Scholarship
6. Financial Aid

General Eligibility Criteria

In order to be eligible for the Scholarship Program, students should:

1. Meet ADUC Undergraduate Admissions Criteria.
2. Study on a full-time basis as per the selected Program Study Plan.

General Rules and Regulations

1. Scholarships are awarded to full-time students.
2. Scholarships are applied on the course fees ONLY.

3. Students cannot apply for two different scholarships.

High School Merit Scholarship

High school students with outstanding high school average percentage are eligible for the scholarship as per the below brackets:

High School Average	Coverage
Greater than or Equal to 98%	75%
Between 95% and 97.99%	40%
Between 90% and 94.99%	20%
Between 85% and 89.99%	15%
Between 80% and 84.99%	10%

Academic Distinction Scholarship

Outstanding students enrolled at ADUC in various academic programs can apply for scholarships according to the following:

1. Full-time student with minimum credit hours of 15 hours.
2. Granting this scholarship is subject to the college council's decision after the recommendation of the Dean SACE.

Sibling Discount Scholarship

Students who have a sibling or spouse enrolled at ADUC are eligible for a 15% waiver of course fees.

Governmental Employee Discount Scholarship

Students employed by local/federal government are entitled to a 25% waiver of their course fees.

School Agreements Scholarship

High school students with outstanding high school average percentages are eligible for a scholarship as per school agreements.

Financial Aid

ADUC offers financial aid to students in financial need. The Financial Aid Program is awarded to eligible students who demonstrate a financial need through relevant supporting documents.

Application forms may be obtained from the Office of Student Services. Selection is made based on need and academic performance. After approval, the College Council will send the list of eligible students to the General Registrar.

General Eligibility Criteria

1. The student must have English proficiency
2. The student must complete 15 credit hours in ADUC
3. Financial Aid is awarded to full-time students.
4. Financial Aid is applicable on course fees ONLY.
5. CGPA must be 2.0 or higher for the financial aid to continue.

Supporting Documents

Students must submit the following documents:

1. Completed and signed application form
2. Current Rental contract
3. Bank statements for the last three months
4. Employee certificate and salary statement for each employed family member.
5. Copy of Passport and Visa for all working family members
6. Certificates of educational tuition fees for each sibling

On-Campus Student Employment Policy

Purpose

The On-campus student employment policy aims at providing students with the opportunity to gain hands-on experience by promoting experiential learning in various departments within ADUC.

Working on campus at ADUC will help student to:

- Acquire new skills in a professional environment

- Prepare them for the professional environment
- Enable them to commute with peers, academic and administrative staff
- Enhance their oral and written communication skills
- Earn financial remuneration

Employment Conditions

To be considered for an On-campus employment, students should meet the following conditions:

- Be a full time undergraduate student (registered in 4 courses)
- Having completed one semester at AL DAR University College
- Be in good academic standing
- Have a good conduct and social responsibility standing

PROCEDURE

- Departments/units wishing to recruit an on-campus student must fill the **student employment form** and send it to the career office coordinator (COC).
- The career office coordinator will advertise the opportunities through AL DAR University portal and on the student services blackboard.
- The COC will collect all necessary documents from the students comprising the following:
    1. Application form
    2. Parent/Guardian permission form
    3. Class schedule
    4. Transcript or CV
    5. Any other document if applicable
- Applications will be reviewed by the COC and sent to each department/unit
- The hiring department/unit will conduct an interview and will notify the COC by providing the name of the student who has been selected
- The COC will send an email to the selected student and will inform the finance department

WORKING HOURS

- Students are permitted to work during their breaks only
- Employed students can work for a maximum of 15 hours per week or a total of 60 hours per month.

- During academic breaks and in the summer (if not enrolled), employed students are allowed to work for a maximum period of 40 hours per week or 160 hours per month.

REGULATIONS

- A student is not allowed to hold two positions at the same time
- Student can also volunteer for working on occasional projects such as exhibitions with an opportunity to be rewarded with certificates or cash.

AVAILABILITY OF STUDENT SERVICES

The Office of Student Services manages all student activities and events organized throughout the Academic Year. The Office proposes a wide range of services with the aim to facilitate the integration of students into the College life through organizing extra-curricular activities, study and recreational trips, and sport events.

The Office of Student Services aims to create and maintain a community where each student is able to pursue, through Student Committees, various types and forms of activities in order to enrich their student life. ALDAR provides an encouraging environment to students to have opportunities to pursue activities within the Campus.

Students at ALDAR are encouraged to take an active role in various activities offered by the college. Any enrolled student is eligible to participate in events sponsored by the College.

The mission of the Office of Student Services is to assist students in areas of extracurricular activities and facilitates the integration of student into the College life by:

- organizing and supervising the Orientation Program;
- providing students with personal counselling or refer them to qualified personal councillors;
- organizing and supporting extra-curricular and recreational activities;
- sponsoring and organizing sports events;

- supporting the Alumni Committee;
- assisting students in all aspects of student life including housing, medical care, residency formalities, whenever possible

At the beginning of each semester, an Orientation Program is organized for all new students. The Orientation Program provides students a smooth and successful start at ALDAR. The Program objective is to familiarize students with the campus life, meet other new students, attend presentations conducted by various Schools and Offices, and interact with faculty and staff members.
The program consists of a series of presentations conducted by various schools and offices.

Personal Counseling

Personal Counselor offers confidential and culturally appropriate solutions for students, which help them in solving both personal and academic challenges. This counseling can help in boosting the self-awareness, confidence, self-management, interpersonal and life skills.

Students can contact the Office of Student Services for taking appointments with the personal counselor.

Academic Advising

Academic Advising complements academic instruction and is thus a central to the educational mission of the College. ALDAR recognizes this responsibility by allocating time for indirect instructional activity, which includes student advising, as part of the total faculty instructional workload.

Academic advising is designed to provide necessary tools and information to all students, allowing them to take responsibility for developing educational plans compatible with their goals; meeting institutional and degree requirements; and preparing for a life of change, challenge and individual fulfillment as active citizens.

The primary purposes of academic advising are to help students to select appropriate academic courses and programs, to establish effective mentor relationships, to use support services effectively, and for future planning.

Academic Advising purpose is to:

- Assist newly enrolled students in the selection of the appropriate academic program/ courses/concentrations
- Provide students information and guidance about academic standards, rules and regulations of the College
- Monitor students' academic standing to ensure improvement in their performance
- Address specific course/program related issues
- Assist students in exploring and understanding the possible short- and long-range implications and consequences of their choices

Career Services

The Career Services Coordinator at the College is responsible for providing students with an effective career development program, which includes career information and planning, placement services, and career counseling.

Career Counseling

The Career Services Coordinator provides students and alumni with career counseling to help them in their employment and career plans by:

- providing assistance in writing resume and cover letter, which takes place during the Fall semester by conducting resume writing workshops
- encouraging the students to take personality tests in order to make themselves more aware about their personality traits
- conducting interviews and providing helpful tips via different workshops to make the students understand different ways of handling an interview
- educating the students about different job searching techniques

Career Placement Services

The Career Services Coordinator will provide students with guidance and support as they develop and pursue their career plans. The role of the Career Services Coordinator is to:

- assist students with their internship requirements by providing internship opportunities
- manage all contractual and educational processes related to internships
- assist students and Alumni in their employment search
- organize career development workshops to assist students in their internship/employment strategies
- update students with the current job vacancies and opportunities, market demand, and annual career fairs

A wide range of career development workshops and services are conducted throughout the academic year including:

- workshops on resume preparation
- workshop on interview techniques and skills
- seminars on career development
- internship postings
- annual Career Fairs
- access to internship and employment databases

STUDENT RIGHTS AND RESPONSIBILITIES

Code of Conduct

As members of ADUC community, students are expected to fully adhere and comply with the rights and responsibilities attached to such membership. All members of the community (students, staff and faculty) must work together to ensure a college life and education of the highest quality.

Student Rights

Students enrolled at ADUC have the right to a learning environment that provides them the opportunity to acquire knowledge and skills in their fields of study, develops their personalities as individuals and prepares them adequately for their future professional objectives.

The College adheres to the principle of not discriminating based on race, color, age, religion, freedom, ethnicity, etc. in any of its activities and services.

Students of ADUC have the right to:

- Freedom from discrimination that the College adheres to
- Access to their educational records.
- Access to the educational services of the College such as Library, laboratories, counselling, advising, etc.
- Be protected against unauthorized disclosure of information pertaining to their academic records.
- Form, join or participate in associations, groups, and/or organizations and to elect their representatives for promoting their interests.
- A safe and healthy physical environment on campus, one that provides suitable conditions for learning and studying.
- A support and assistance from the College in their academic and non-academic activities.
- Be free from misconduct, harassment, and abuse.
- Appeal any academic or non-academic decision affecting them.
- File a complaint.
- Access and use the service of relevant support offices such as Office of Student Services.
- Appeal academic and non-academic decisions.

Student Responsibilities

Students at ADUC are expected to behave and conduct themselves with integrity, honesty, and respect the rights of others. Students at ADUC shall not commit:

- offenses against others (harassment, theft, physical and sexual abuse, assault and any other act of physical or moral violence and aggression;
- offenses against property and equipment such as causing damages, theft, and unauthorized use of equipment and properties of the College;
- general offenses: any action that violates privacy, freedom of speech, freedom of religion, discrimination against race, sex, religion, age;
- offenses against the College policies, rules, non-compliance with regulations;
- violations of UAE Laws and Customs;

Students enrolled at ADUC are expected:

- to keep themselves informed and fully acquainted, and comply with all rules with all rules, regulations, and polices of the College;
- to comply with all rules, regulations, and policies of ALDAR;
- to respect the rights and property of others;

PROCESS OF RESOLVING COMPLAINTS

Students of ADUC have the right to lodge a formal complaint or grievance in cases such unfair treatment of violation of the college policies.

The policy applies to all academic and non-academic issues and matters. The policy of the College is to encourage students to attempt, to the extent that is possible, to resolve the grievance in an informal way. Only when the problems cannot be solved informally the student resort to the formal grievance procedure.

The complaint must be individual, substantiated with evidence and signed by the concern student.

APPEALS

The Grievant or the respondent may appeal to the Vice President for Academic Affairs regarding any disciplinary determination arrived at through a hearing and resulting in disciplinary probation, suspension or dismissal provided he/she can produce new, convincing evidence.

- An appeal must be in writing and delivered to the Vice President for Academic Affairs within seven working days after the notice is delivered.
- The appeal will be reviewed by the Vice President for Academic Affairs to determine its viability
- The Vice President for Academic Affairs may deny the appeal request and confirm the earlier findings
- Sanctions may be reduced only if found to be substantially disproportionate to the offense
- In no circumstance, appellant will suffer heavier sanctions.
- In case of new evidence that justifies heavier sanctions but not considered by the Disciplinary Committee, the Vice President for Academic Affairs may refer such evidence thereto for a decision to be taken.
- Decisions rendered by the Vice President for Academic Affairs are final, in writing, and to be notified to the appellant within five working days.

COMPLAINT WITHDRAWAL

A student may withdraw his/her complaint at any time. Consequently, the case is deemed closed, resolved, and not to be logged in the files of the concerned parties.

THE PROCESS

INFORMAL RESOLUTION

It is expected that the complainant will make a sincere and genuine attempt to resolve the problem informally by discussing the grievance with the person with whom he/she has a complaint, hereafter the respondent.

The grievant may communicate directly with the respondent. In case the matter has been resolved, then no further actions are required.

If the grievance is not satisfactorily resolved, the aggrieved may submit a request to the Head of Office of Student Services for a formal discussion of the problem. The request must be in writing and mentioning the reasons for filing.

FORMAL RESOLUTION

1. If the grievant wishes to formalize the process, a complaint should be filed with the Office of Student Services within 5 working days of the incident. The complaint should be concise and complete statement of allegations.
2. The Dean of Student Affairs and Community Engagement will set a time and place for a hearing session within one week of the date of the complaint. The he Office of Student Services will acknowledge the complaint, meet the grievant and the respondent, and discuss the charges.
3. The Dean of Student Affairs and Community Engagement will contact the following staff members designated as the Officer:
   - School Dean or department chair for any academic issues and offences
   - Office/Department Head for any non-academic issues and offences
4. The Officer will call to order the Disciplinary Committee to initiate the investigation, determine whether a violation has occurred, hear from all parties, receive written defences/rebuttal by either party, and decide on sanctions within five working days.

5. It is the responsibility of the he Office of Student Services to move the process forward. All the Committee's deliberations shall be recorded as minutes of meetings.
6. Decisions are based on a majority vote of the members present.

All parties involved are notified with the Committee's decision.

7. The he Office of Student Services will prepare a confirmation letter that the action has taken place.
8. A copy of the decision is sent to the concerned departments (Registration or HR) to be filed.

Disciplinary and Grievance Student Records

a. ADUC maintains non-academic student records in other departments interacting with students.
b. Use, confidentiality, and access to such records are determined by the College department responsible for the service, activity, or function involved.

ACADEMIC INTEGRITY

Students are expected to respect the College code of Academic honesty and conduct themselves according to these standards. Academic dishonesty is a serious offense and may take various forms.

ALDAR secures an educational culture characterized by social integration, intellectual and personal honesty, ethical behavior and abide by UAE Copyright Laws and Regulations.

Students who violate academic integrity standards will be subject to disciplinary measures, according to established penalties as stated in the Student Academic Integrity Policy.

Academic Misconduct

Academic Misconduct refers mainly to Cheating, Plagiarism, Fabrication, and facilitation. ALDAR takes all reported incidences of academic misconduct seriously and ensures that they are dealt with efficiently and appropriately.

Cheating

Cheating is using or attempting to use unauthorized means, information, or notes, in any course assessment or academic work. Cheating covers the following:

- Forms of Examination Cheating
  - obtaining or providing unauthorized information during an examination through verbal, visual, electronic devices, or unauthorized use of books, notes, text and other materials;
  - facilitating other student's copying from one's own paper or other's;
  - obtaining or providing information concerning all or part of an examination prior to that examination;
  - taking an examination for another student, or arranging for another person to take an exam in one's place;
  - using solution manuals or other instructor manuals as an aid during examination;
  - stealing or attempting to steal examination papers, answer keys, or other related material;
  - accessing unauthorized computer systems to copy examination papers, answer keys, or other related material;
  - Submitting an assignment prepared, in full or part, by someone else
  - Using the same assignment simultaneously in two or more courses without the full consent and approval of all concerned faculty members

Plagiarism

Plagiarism consists of deliberately and intentionally using other person's work without properly acknowledging the ownership of the source in any academic activity. Plagiarism takes many forms and includes any of the following:

- extracting or reproducing substantial information from a source without proper citations, references and acknowledgements;
- using someone else's words ideas, views, and/or conclusion without putting these words in quotation marks;
- submitting someone else's work and only doing minor changes;
- paraphrasing or re-wording by submitting someone else's work using one's own words without proper referencing;

All students, found guilty of plagiarism in an academic activity, are subject to disciplinary measures. The concerned faculty member must inform the Department

Chair/Dean of all instances of plagiarism with evidence documents relevant to the accusation.

Fabrication

Fabrication is to intentionally falsify or invent any data, information, or citation in any academic activity.

Fabrication covers the following:

- listing sources and citations that do not exist or are not used in one's academic work
- Making up names of books, page numbers, data, charts, tables, etc.
- falsifying results of conducted surveys and questionnaires
- using falsified data and information in any academic work
- reporting false information about others violating academic integrity
- using false personal and academic information in any ALDAR official forms or applications

DEFINITION OF CREDIT HOUR / UNIT

Credit hours

Courses are calculated in credit-hours. Each course carries a certain number of credits which are awarded after its successful completion. Credit hours usually equal the number of contact hours spent during the semester. Two or three hours of tutorial or laboratory work per week is the equivalent of one credit hour.

Course Load

The course load for all undergraduate students in a regular semester will be 12 to 18 credit hours as per the study plan, however it can exceed up to 21 credit hours in case if the student is graduating based on the study plan and approval of the Dean.

Because of the compressed schedule during the summer semester, students may register in no more than six (6) credit hours in the summer Semester except for expected-to-graduate students who may register in up to nine (9) credit hours.

DEFINITIONS OF ACADEMIC TERMINOLOGIES

Concentration: Concentrations are best thought of as a grouping of courses which represent a sub specialization taken within the major field of study. For example, a student majoring in biology might have a concentration in genetics, or a student in electrical engineering may have a concentration in telecommunications or instrumentation and control. A concentration may be specified on the diploma or in the student's academic record (transcript). The MOE-HEA, requires a concentration to include at least 15 semester credits of study, or equivalent, in the specialized field in order to be recognized by the Ministry and included in the listing on the MOE-HEA, Web site.

Electives: Courses, which are not compulsory for students. Electives may be free—selected by the student from any course offerings, or restricted—chosen from a pre-determined list of options.

DEGREE AND PROGRAM COMPLETION REQUIREMENTS

Program Completion Duration

ADUC will award degree certificate, attested by MOE-HEA, on successfully completion and fulfillment of following criterion as per the respective degree.

School of Business Administration

Department of Business Administration

Degree Program: Bachelor of Business Administration (English)

Concentrations:

1. Human Resource Management
2. Marketing
3. Accounting
4. Finance
5. Industrial Management
6. Hospitality Management

To qualify for graduation with a degree of "**Bachelor of Business Administration**", students must complete 123 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan and concentration.

School of Engineering and Technology

Department of Information Technology

Degree Program: Bachelor of Information Technology (English)

Concentrations:

1. General
2. Mobile Application Development
3. Cloud Computing
4. Multimedia and Game Development

To qualify for graduation with a degree of "**Bachelor of Information Technology**", students must complete 123 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan and concentration.

Department of Engineering

Degree Program: Bachelor of Science in Computer Engineering (English)

Concentrations:

1. General
2. Cyber Security

To qualify for graduation with a degree of "**Bachelor of Science in Computer Engineering**", students must complete 140 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan.

Degree Program: Bachelor of Science in Communication Engineering (English)

Concentration:

1. General

To qualify for graduation with a degree of "**Bachelor of Science in Communication Engineering**", students must complete 140 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan.

Degree Program: Bachelor of Science in Electrical Engineering (English)

Concentrations:

1. Automatic Control Systems
2. Smart Grid Systems

To qualify for graduation with a degree of "**Bachelor of Science in Electrical Engineering**", students must complete 140 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan.

School of Arts and Social Sciences

Department of Communication

Degree Program: Bachelor of Arts in Mass Communication/ Concentration (الجماهيري الإتصال في آالداب بكالوريوس) (Arabic):

1. Public Relations

To qualify for graduation with a degree of "**Bachelor of Arts in Mass Communication/ (بكالوريوس اللآداب في الاتصال الجماهيري)**", students must complete 129 credit hours of courses with a score of 2.0 CGPA on the scale of 4.0. The minimum duration to complete the degree program is 50 % of the prescribe, regular semesters as per the study plan.

Department of General Education

General Education Program

The General Education program is offered by the department as per the guidelines of CAA. The courses offered at the general education program are to supplement the Bachelor's degree programs. The program focusses on providing a broad understanding of humanities, social sciences and Culture. It prepares the student in terms of skill required for undertaking program in technical areas.

Program Learning Outcomes for Each Accredited Program and their alignment with UAE National Qualifications Framework (UAE QF):

Bachelor of Business Administration (BBA)

BBA Program Mission

"The mission of the BBA Program is to provide students with high quality business education and to equip them with the skills and aptitudes required to successfully operate in the work place, to advance their career goals and to pursue further studies."

BBA Program Goals

On completion of the BBA Program, graduates of ADUC will be able to:

Goals	
G1	Demonstrate a broad theoretical knowledge of management concepts, theories and processes and their application to business contexts
G2	Develop and apply critical thinking skills to complex business management operations and propose appropriate solutions
G3	Develop effective interpersonal skills and deploy creativity in different business contexts
G4	Demonstrate ability to comprehend and integrate multiple perspectives in business
G5	Demonstrate ability to learn from different experiences and embrace new knowledge and skills

BBA Program Learning Outcomes and alignment with UAE QF

Alignments of BBA Program Learning Outcomes with NQF Strands

BBA Program Learning Outcomes

	(NQF Strand # 1)
PLO1	Understand management systems, functions and processes in business organizations
PLO2	Understand societal, economic and cultural trends in the Gulf region and globally and their impact on business
	(NQF Strand #2)
PLO3	Analyze, evaluate and formulate strategic solutions to business problems
PLO4	Convey messages efficiently in both oral and written forms in different business situations.
	(NQF Strand # 3)
PLO5	Demonstrate aptitude to work independently as well as part of a group in different situations
PLO6	Formulate creative solutions to business problems
	(NQF Strand # 4)
PLO7	Demonstrate specific competencies and skills related to the respective fields of concentration
PLO8	Demonstrate ability to integrate and manage different operations and functions of a business
	(NQF Strand # 5)
PLO9	Demonstrate ethical, social and professional awareness and sensitivity in business decisions
PLO10	Critically explore complex and unpredictable matters and situations
PLO11	Use the managerial science applications in industrial context.
PLO12	Employ finance specific competencies in business organizations.
PLO 13	Employ hospitality specific competencies in business organizations.

Bachelor of Information Technology (BIT)

The goals of the BIT program are in conformity with those mentioned in Association for Computing Machinery (ACM2008). The goals of the BIT program are:

BIT Program Mission

The School of Information Technology strives to provide high quality Information Technology education to its students. It places special emphasis on developing its graduates with the skills and knowledge to take on appropriate professional positions in Information Technology upon graduation and grow into leadership positions or pursue research or graduate studies in the field and can effectively contribute to the advancement of the community.

BIT Program Goals

Table I Alignment between Program Goals and ACM2008 Goals

No	BIT Program Goals	ACM2008 Goals
PG1	Employ appropriate IT methodologies to help an individual or organization achieve its goals and objectives.	1
PG2	Function as a user advocate to meet the Information Technology needs of community and organizations.	2
PG3	Manage Information Technology resources and provide leadership in planning by strengthening IT knowledge and skills for the effective use of technology.	3
PG4	Predict the changing direction of Information Technology, evaluate and communicate toward new technologies to meet specified requirements.	4
PG5	Awareness and, in some cases, contribution to the foundation of basic sciences and mathematics and ability to apply this knowledge to identify and solve IT problems	5
PG6	Can work effectively as a member of a team and acquire the generic skills needed to function in multidisciplinary, diverse, competitive and fast changing environment.	6
PG7	Can appreciate the significance of ethical issues and contribute as a well-rounded member of society.	6
PG8	Explore solutions for building cloud computing-based systems across geographically distributed infrastructure.	3
PG9	Apply computing theories and practices to develop mobile Apps	4
PG10	Develop professional skills in the development and production of multimedia and games	4

BIT Program Learning Outcomes and alignment with UAE QF

The Program learning outcomes of the BIT program are in conformity with those mentioned in (Accreditation Board for Engineering and Technology) ABET's A-K and ACM2008. The program provides opportunities for students to achieve and demonstrate the following learning outcomes:

Table II Alignments between BIT Program Learning Outcomes using National Qualifications Framework (NQF) strands and ABET& ACM2008 Program Learning Outcomes

BIT Program learning Outcomes		ABET (A-K)	ACM 2008
NQF Strand # 1: Knowledge			
PLO1	Understanding the knowledge of computing, mathematics and research innovations appropriate to the discipline	A	A
PLO2	An understanding of best practices, standards, applications and how other disciplines relate to the field of work and study	K	M
PLO3	Familiarity with local and global impact of computing on individuals, organizations, and society	H , J	G
NQF Strand # 2: Skills			
PLO4	To be able to recognize problems, create solutions, identify requirements and advance current practices.	E	B
PLO5	To be able to communicate effectively with a range of audiences	G	F
PLO6	To assist in the creation of an effective project plan and interact successfully with others in order to work towards a common result.	D	D, N
NQF Strand # 3: Responsibility			
PLO7	To design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs	B , C	C
PLO8	To use and apply current technical concepts and practices in the core information technologies	K	J
PLO9	To effectively integrate IT-based solutions into the user environment	E	L
PLO10	To identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems	B,C, H	K
PLO14	Can plan, design, implement, and manage computer networking of cloud and Internet as well as their security	C, E	B,C
PLO15	Design, build and publish mobile Apps using various platforms	C	C
PLO16	Design and construct complete computer-generated, interactive environments tailored for entertainments	C	C, J
NQF Strand # 4: Role in Context			
PLO11	Can take responsibility to work as an IT professional to design, select, apply, deploy and manage computing systems to support the organization, as an individual and in multi-cultural and multi-disciplinary teams, with the capacity to be a team leader or valuable team member	D	A,,B,C,D,E,F,J K,L,M,N
NQF Strand # 5: Independency and Self-Development			
PLO12	An understanding of professional, ethical, legal, security and social issues and responsibilities	F	E
PLO13	Recognition of the need for and an ability to engage in continuing professional development, independent learning and initiatives.	I	H

BACHELOR OF MASS COMMUNICATION (BMC)

BMC Program Goals

أهداف البرنامج ومخرجات التعلم

أهداف برنامج كلية الآداب والعلوم الاجتماعية قسم الاتصال الجماهيري:

1. الكفاءة: المعرفة في مجال الاتصال الجماهيري

الهدف الأول: تزويد الطلبة بالمعارف النظرية في الاتصال الجماهيري بما يمكنهم من التفاعل التحليلي والناقد مع قضايا هذا الحقل.

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على:

مخرج (1.1): إدراك المفاهيم الأساسية في عمليات الاتصال الجماهيري بأشكالها الإعلامية والإعلانية.

مخرج (1.2): مناقشة وتحليل تأثيرات وسائل الاتصال الجماهيري في الأفراد والجماعات.

مخرج (1.3): استيعاب عملية التطور الرقمي لوسائل الإعلام.

2. الكفاءة: مهارات الاتصال

الهدف الثاني: تزويد الطلبة بالمهارات العملية والتطبيقية في حقل الاتصال الجماهيري وفق ارفع المعايير العالمية في هذا المجال.

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على:

مخرج (2.1): توصيل رسائل اتصالية مقنعة بأشكال شفوية ومكتوبة وسمعبصرية تقليدية ورقمية

مخرج (2.2): استخدام تقنيات الاتصال الرقمية في إنتاج وتوزيع المحتوى الإعلامي على جماهير متنوعة

الهدف الثالث: تزويد الطلبة بمهارات إعداد محتوى إعلامي رصين باستخدام أدوات جمع المعلومات وتوظيف أساليب الكتابة المناسبة.

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على:

مخرج (3.1): تقديم أعمال كتابية متنوعة تقليدية ورقمية في الأخبار والعلاقات العامة الإعلان.

3. الكفاءة: مهارات التحليل والنقد

الهدف الرابع: تزويد الطلبة بمهارات البحث الإعلامي في مجالات تحليل المحتوى ومسوحات الجمهور والبحث الشبكي عن المعلومات

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على

مخرج (4.1): صياغة مقترحات بحثية نظرية وتطبيقية باستخدام منهجيات رصينة.

مخرج (4.2): تطبيق منهجيات بحثية متنوعة في دراسة المحتوى الإعلامي وخصائص الجمهور.

ثانياً: أهداف البرنامج ومخرجات التعلم في مسار العلاقات العامة

BMC Program Learning Outcomes

أهداف البرنامج ومخرجات التعلم في مسار العلاقات العامة

الهدف الأول: تزويد الطلبة بمعرفة نظرية في مفاهيم وعمليات العلاقات العامة.

المخرج التعليميالمخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على

مخرج (1.1): تعريف العلاقات العامة في سياقات وظيفية ومؤسسية وثقافية متنوعة

مخرج (1.2): إدراك الأسس النظرية للعلاقات العامة

الهدف الثاني: تزويد الطلبة بمعرفة نظرية بالجوانب الإدارية للعلاقات العامة باعتبارها إدارة الاتصالات في المنظمة.

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على

مخرج (2.1): وصف عمليات التخطيط في العلاقات العامة.

مخرج (2.2): فهم أسس وإجراءات إدارة الأنشطة الإعلامية والفعاليات.

الهدف الثالث: تزويد الطلبة بمهارات عملية في إنتاج المواد الإعلامية للعلاقات العامة.

المخرج التعليمي: يجب على الطلبة أن يكونوا قادرين على

مخرج (3.1): تطبيق المبادئ الفنية في إنتاج مواد مطبوعة وسمعية وبصرية وإلكترونية للعلاقات العامة.

مخرج (3.2): تصميم وتنفيذ حملات العلاقات العامة باستخدام وسائل متنوعة.

BMC Program Learning Outcomes and alignment with UAE QF

مواءمة مخرجات التعلم لبرنامج الاتصال الجماهيري مع معايير المؤهلات في دولة الإمارات (المستوى السابع)

		الكفاءات التي يتضمنها إطار المؤهلات في دولة الإمارات				
رمز المخرج	مخرج التعليم	التطوير الذاتي	الدور في السياق	المسؤولية	المهارة	المعرفة
برنامج الاتصال الجماهيري						
م. ت. ا. ج 1.1	إدراك المفاهيم الأساسية في عمليات الاتصال الجماهيري بأشكالها الإعلامية والإعلانية	(4)	(1)	(3)	(1)	(5)
م. ت. ا. ج 1.2	مناقشة وتحليل تأثيرات وسائل الاتصال الجماهيري في الأفراد والجماعات.	(5)	(2)	(3)	(1)	(5)
م. ت. ا. ج 1.3	استعياب عملية التطور الرقمي لوسائل الإعلام.	(3)	(3)	(3)	(3)	(5)
م. ت. ا. ج 2.1	توصيل رسائل اتصالية مقنعة بأشكال شفوية ومكتوبة وسمعبصرية تقليدية ورقمية	(3)	(3)	(5)	(3)	(4)
م. ت. ا. ج 2.2	استخدام تقنيات الاتصال الرقمية في إنتاج وتوزيع المحتوى الإعلامي على جماهير متنوعة	(2)	(5)	(2)	(4)	(3)
م. ت. ا. ج 3.1	تقديم أعمال كتابية متنوعة تقليدية ورقمية في الأخبار والعلاقات العامة الإعلان	(5)	(3)	(2)	(3)	(3)
م. ت. ا. ج 4.1	صياغة مقترحات بحثية نظرية وتطبيقية باستخدام منهجيات رصينة.	(3)	(5)	(3)	(4)	(5)
م. ت. ا. ج 4.2	تطبيق منهجيات بحثية متنوعة في دراسة المحتوى الإعلامي وخصائص الجمهور	(3)	(4)	(3)	(5)	(5)
مسار العلاقات العامة						
م. ت.ع. ع 1.1	تعريف العلاقات العامة في سياقات وظيفية ومؤسسية وثقافية متنوعة.	(4)	(3)	(1)	(4)	(5)
م. ت.ع. ع 1.2	إدراك الأسس النظرية للعلاقات العامة	(5)	(1)	(2)	(2)	(4)
م. ت.ع. ع 2.1	وصف عمليات التخطيط في العلاقات العامة.	(1)	(1)	(4)		(5)

م. ت.ع. ع 2.2	فهم أسس وإجراءات إدارة الأنشطة الإعلامية والفعاليات		(5)		(4)	(3)
م. ت.ع. ع 3.1	تطبيق المبادئ الفنية في إنتاج مواد مطبوعة وسمعية وبصرية وإلكترونية للعلاقات العامة.	(3)	(2)	(3)	(3)	(5)
م. ت.ع. ع 3.2	تصميم وتنفيذ حملات العلاقات العامة باستخدام وسائل متنوعة	(4)	(1)	(4)	(4)	(3)

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (B.SC. CPE) COMMUNICATION ENGINEERING (B.SC. CME) ELECTRICAL ENGINEERING (B.SC. EE)

B.Sc. (CPE + CME+ EE) Program Goals

Bachelor of Science in Computer engineering, Bachelor of Science in Computer Engineering-Cyber Security, Bachelor of Science in Communication Engineering, Bachelor of Science in Electrical Engineering-Smart Grid and Bachelor of Science in Electrical Engineering-Automatic Control

The School of Engineering and technology programs strives to provide high quality Engineering and Information Technology education to its students. It places special emphasis on developing its graduates with the skills and knowledge to take on appropriate professional positions in Engineering and Information Technology upon graduation and grow into leadership positions or pursues research or graduate studies in the field and can effectively contribute to the advancement of the community.
The goals of the engineering program are in conformity with those mentioned in Association for Computing Machinery/IEEE computer Society. The goals of the proposed programs are:

Table III the goals of the Bachelor of Science in Engineering (Computer + Communication)

No	**Programs Goals (CPE+CME)**	**NQF Strand #**

PG1	Placing importance on design and being able to select appropriate approaches in particular contexts	3
PG2	Being able to respond to the challenges and fast-changing engineering environment	2
PG3	Recognizing the range of applications for their work and continually updating their technical knowledge while working as professional engineers.	3
PG4	Can address a significant problem in computer engineering, and deploy selection of computer aided design tools, techniques and disciplined approach in arriving at a solution of the problem and identifying new tools.	2,3
PG5	Have a strong foundation of basic sciences and mathematics and are able to apply this knowledge to analyze and solve engineering problems and Understanding the important relationship between theory and practice	1
PG6	Can work effectively as a member of a team and acquire the generic skills needed to function in multidisciplinary, diverse, competitive and fast changing environment.	2,4
PG7	Can appreciate the significance of ethical issues and contribute as a well-rounded member of society.	5

BSE (CPE + CME + EE) Program Learning Outcomes and alignment with UAE QF

The Program learning outcomes of the B.Sc. in Engineering program are in conformity with those mentioned in (Accreditation Board for Engineering and Technology) ABET's A-K and ACM/IEEE CE2004 report. The program provides opportunities for students to achieve and demonstrate the following learning outcomes:

Table IV Alignments between Engineering Programs Learning Outcomes using National Qualifications Framework (NQF) strands and ABET Program Learning Outcomes

Engineering Programs learning Outcomes		ABET (A-K)
NQF Strand # 1: Knowledge		
PLO1	An ability to apply the knowledge of mathematics, science and engineering	A
PLO2	An understanding of best practices, standards, applications and how other disciplines relate to the field of work and study	K

PLO3	Ability to understand contemporary issues and to realize the impact of engineering solutions in a global and societal context.	H , J
NQF Strand # 2: Skills		
PLO4	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	E
PLO5	To be able to communicate effectively with a range of audiences	G
PLO6	To assist in the creation of an effective project plan and interact successfully with others in order to work towards a common result.	D
NQF Strand # 3: Responsibility		
PLO7	An ability to design a system, component, or process to meet desired needs.	B ,C
PLO8	An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	K
PLO9	An ability to identify, formulate, and solve engineering problems and integrate solutions into the user environment	E
PLO10	An ability to design and conduct experiments, as well as to analyze and interpret data.	B,C, H
NQF Strand # 4: Role in Context		
PLO11	An ability to function on multi-disciplinary teams with the capacity to be a team leader or valuable team member	D
NQF Strand # 5: Independency and Self-Development		
PLO12	An understanding of professional and ethical responsibility	F
PLO13	Recognition of the need for and an ability to engage in continuing professional development, independent learning and initiatives.	I

Department of General Education

General Education Program

The General Education program is offered by the department as per the guidelines of CAA. The courses offered at the general education program are to supplement the Bachelor's degree programs. The program focusses on providing a broad understanding of humanities, social sciences and Culture. It prepares the student in terms of skill required for undertaking program in technical areas.

Program Goals

1.Provide the students with the knowledge needed to pursue their major.
2.Expand the student's understanding of self, environment and society.
3. Enable the student to build a base of knowledge and skills that are needed for lifelong learning.
4. Give the student the knowledge, skills and motivations to make the ethical decision based on an understanding of the societal values.

Program Learning Outcomes

PLO1: Acquire oral and written skills to effectively communicate to various audiences.
PLO2: Develop an appreciation of social, culture and arts in local and global context.
PLO3: Demonstrate fundamental quantitative and information technology skills and applied science competency
PLO4: Develop critical thinking and reasoning ability in today's world. m

Foundation Program Objectives

This program is an initiative from the Commission of Academic Accreditation and endorsed by the Ministry of Education-Higher Education Affairs. The objective of this program is to provide a Foundation Program (Preparatory), suited to national and non-national students who wish to progress into Higher Education but do not have the appropriate credentials of UAE High School Certificate (minimum of 60% required for direct entry to Higher Education).

Foundation Program Learning Outcomes

1. Generate and verbalize written works in English by using correct English writing, reading, and vocabulary, listening and speaking skills.
2. Generate and verbalize written works in Arabic by using correct Arabic writing, reading, and vocabulary, listening and speaking skills.
3. Demonstrate the use of numerical and mathematical skills to solve various mathematical problems within the areas of Algebra, Geometry and Statistics.
4. Produce work using knowledge of computer hardware; file management and standard PC software programs.
5. Apply study skills necessary for success at the college level.

DESCRIPTION OF GENERAL EDUCATION PROGRAM (GED) REQUIREMENTS

GED Program Structure

Course Code	Course Title	Pre-requisite	Cr
GED 101	Computer Applications	None	3
GED 102	English Writing Skills	None	3
GED 103	Advanced English Writing Skills	GED 102	3
GED 104	Islamic Culture	None	3
GED 105	Environmental Studies	None	3
GED 106	Business Mathematics	None	3
GED 107	UAE Society & Culture	None	3
GED 108	Introduction to Arts	None	3
GED 109	Critical Thinking	None	3
GED 151	كتابة احترفية بالعربية	None	3
GED 152	الكيمياء فى حياتنا	None	3
GED 153	علم الفلك	None	3
GED 154	مصادر الطاقة	None	3
GED 110	Innovation and Entrepreneurship	45 Credit Hours	3

The courses from the general education section are adopted in the program as per the field or domain of the Bachelor Degree Program.

SEQUENCING OF COURSES WITHIN THE PROGRAMS

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

BBA Course Sequence

		S	Course Code	Course Title	Pre-Requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	3
	Semester 2	6	GED 102	English Writing Skills	None	3
		7	GED 105	Environmental Studies	None	3
		8	GED 109	Critical Thinking	None	3
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	3
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	3
		13	MGMT 208	Principles of Management	None	3
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	-	**Concentration 1 (HURM/ACCT/MKTG/ FIN/IM/HM)**	-	**3**
	Semester 6	26	GED 110	Innovation and Entrepreneurship	45 Credit Hours	3
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	-	**Concentration 2 (HURM/ACCT/MKTG/ FIN/IM/HM)**	-	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last year	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	-	**Concentration 3 (HURM/ACCT/MKTG/ FIN/IM/HM)**	-	**3**
	Semester 8	36	-	**Free Elective 1/ Concentration Elective 1**	-	**3**
		37	-	**Free Elective 2/ Concentration Elective 2**	-	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	-	**Concentration 4 (HURM/ACCT/MKTG/ FIN/IM/HM)**	-	**3**
		40	-	**Concentration 5 (HURM/ACCT/MKTG/ FIN/IM/HM)**	-	**3**
	Summer	**41**	**-INT 406**	**Internship**	**90 Credit Hours**	**3**
					Total Number of Credit Hours	**123**

Human Resource Management Concentration Study Plan

		S	Course Code	Course Title	Pre-Requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	3
	Semester 2	6	GED 102	English Writing Skills	None	3
		7	GED 105	Environmental Studies	None	3
		8	GED 109	Critical Thinking	None	3
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	3
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	3
		13	MGMT 208	Principles of Management	None	3
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	**HURM 401**	**Human Resource Management**	**MGMT 208**	**3**
	Semester 6	**26**	**GED 110**	**Innovation and Entrepreneurship**	**45 Cr.H**	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	**HURM 402**	**Performance and Compensation**	**HURM 401**	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last year	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	**HURM 403**	**Training and Development**	**HURM 401**	**3**
	Semester 8	36	-	**Free Elective 1**	-	**3**
		37	-	**Free Elective 2**	-	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	**HURM 404**	**Recruitment and Selection**	**HURM 401**	**3**
		40	**HURM 405**	**UAE Labor Law and Relations**	**BULW 305**	**3**
		41	**INT 406**	**Internship**	**90 Credit Hours**	**3**
	Total Number of Credit Hours					**123**

Marketing Concentration Study Plan

		S	Course Code	Course Title	Pre-requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	3
	Semester 2	6	GED 102	English Writing Skills	None	3
		7	GED 105	Environmental Studies	None	3
		8	GED 109	Critical Thinking	None	3
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	3
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	3
		13	MGMT 208	Principles of Management	None	3
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	**MKTG 401**	**Consumer Behavior**	**MKTG 201 - RESM 202**	**3**
	Semester 6	**26**	**GED 110**	**Innovation and Entrepreneurship**	**45 Cr.H**	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	**MKTG 402**	**E-Marketing**	**GED 101 - MKTG 201**	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last year	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	**MKTG 403**	**Advertising and Promotion**	**MKTG 201**	**3**
	Semester 8	36	-	**Free Elective 1**	-	**3**
		37	-	**Free Elective 2**	-	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	**MKTG 404**	**Marketing of Services**	**MKTG 201**	**3**
		40	**MKTG 405**	**Sales Force Management**	**MKTG 201**	**3**
		41	**INT 406**	**Internship**	**90 Credit Hours**	**3**
					Total Number of Credit Hours	**123**

Accounting Concentration Study Plan

		S	Course Code	Course Title	Pre-requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	3
	Semester 2	6	GED 102	English Writing Skills	None	3
		7	GED 105	Environmental Studies	None	3
		8	GED 109	Critical Thinking	None	3
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	3
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	3
		13	MGMT 208	Principles of Management	None	3
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	**ACCT 401**	**Intermediate Accounting I**	**ACCT 202**	**3**
	Semester 6	**26**	**GED 110**	**Innovation and Entrepreneurship**	**45 Cr.H**	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	**ACCT 402**	**Intermediate Accounting II**	**ACCT 401**	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last year	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	**ACCT 403**	**Auditing I**	**ACCT 202**	**3**
	Semester 8	**36**	**-**	**Free Elective 1**	**-**	**3**
		37	-	**Free Elective 2**	-	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	**ACCT 404**	**Auditing II**	**ACCT 202**	**3**
		40	**ACCT 405**	**Accounting Information Systems**	**ACCT 202**	**3**
		41	**INT 406**	**Internship**	**90 Credit Hours**	**3**
Total Number of Credit Hours						**123**

Finance Concentration Study Plan

		S	Course Code	Course Title	Pre-Requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	**3**
	Semester 2	6	GED 102	English Writing Skills	None	**3**
		7	GED 105	Environmental Studies	None	**3**
		8	GED 109	Critical Thinking	None	**3**
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	**3**
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	**3**
		13	MGMT 208	Principles of Management	None	**3**
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	FIN 300	Financial Market and Institutions	FINA 204	**3**
	Semester 6	26	GED 110	Innovation and Entrepreneurship	45 Cr.H	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	FIN 301	Portfolio Management and Sustainability	FINA 204	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last semester	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	FIN 403	International Finance	FINA 204	**3**
	Semester 8	36	-	Concentration Elective 1	Last semester	**3**
		37	-	Concentration Elective 2	Last semester	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	FIN 404	Islamic Finance	FINA 204	**3**
		40	FIN 405	Insurance and Risk Management	FIN 300, FIN 301	**3**
		41	**INT 406**	**Internship**	**90 Credit Hours**	**3**
Total Number of Credit Hours						**123**

Hospitality Concentration Study Plan

		S	Course Code	Course Title	Pre-Requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	3
	Semester 2	6	GED 102	English Writing Skills	None	3
		7	GED 105	Environmental Studies	None	3
		8	GED 109	Critical Thinking	None	3
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	3
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	3
		13	MGMT 208	Principles of Management	None	3
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	HOM 300	Intro. to Hospitality &Tourism Mgmt.	MGMT208	**3**
	Semester 6	26	GED 110	Innovation and Entrepreneurship	45 Cr.H	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	HOM 400	Lodging Management	HOM300, MGMT307	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last year	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	HOM 401	Hospitality Marketing	MKTG201, HOM300	**3**
	Semester 8	36	-	Concentration Elective 1	-	**3**
		37	-	Concentration Elective 2	-	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	HOM 402	Food and Beverage Management	HOM300, MGMT307	**3**
		40	HOM 403	Hospitality Facilities Development	HOM300, MGMT401	**3**
	Summer	**41**	**INT 406**	**Internship**	**90 Credit Hours**	**3**
Total Number of Credit Hours						**123**

Industrial Management Concentration Study Plan

		S	Course Code	Course Title	Pre-Requisite	Cr
Year 1	Semester 1	1	GED 101	Computer Applications	None	3
		2	GED 108	Introduction to Arts	None	3
		3	GED 107	UAE Society and Culture	None	3
		4	GED 104	Islamic Culture	None	3
		5	GED 106	Business Mathematics	None	**3**
	Semester 2	6	GED 102	English Writing Skills	None	**3**
		7	GED 105	Environmental Studies	None	**3**
		8	GED 109	Critical Thinking	None	**3**
		9	ECON 201	Microeconomics	None	3
		10	STAT 201	Business Statistics	GED 106	**3**
Year 2	Semester 3	11	BULW 305	Business Law	None	3
		12	MKTG 201	Principles of Marketing	None	**3**
		13	MGMT 208	Principles of Management	None	**3**
		14	GED 103	Advanced English Writing Skills	GED 102	3
		15	ECON 204	Macroeconomics	None	3
	Semester 4	16	BUSN203	Business Communication	GED 103	3
		17	RESM 202	Research Methodology	STAT 201	3
		18	ORGB 309	Organizational Behavior	MGMT 208	3
		19	ECON 206	The Global Economy	ECON 204	3
		20	ACCT 202	Introduction to Financial Accounting	None	3
Year 3	Semester 5	21	ECON 207	The GCC Economies	ECON 206	3
		22	FINA 204	Financial Management	ACCT 202	3
		23	ACCT 203	Managerial Accounting	ACCT 202	3
		24	MGMT 308	International Business	ECON 206	3
		25	INM 307	Quantitative Business Analysis	STAT 201	**3**
	Semester 6	**26**	GED 110	Innovation and Entrepreneurship	45 Cr.H	**3**
		27	MGMT 307	Operations Management	MGMT 208	3
		28	MGMT 403	Leadership	ORGB 309	3
		29	MGMT 209	Career Preparation and Planning	None	3
		30	INM 308	Operations Research	INM 307	**3**
Year 4	Semester 7	31	MGMT 404	Management of Change	ORGB 309	3
		32	ITG 401	Project Management	None	3
		33	STRT 405	Strategic Management	Last semester	3
		34	ITG 211	Management Information Systems	GED 101	3
		35	INM 400	Production Planning and Control	MGMT 307	**3**
	Semester 8	36	-	Concentration Elective 1	Last semester	**3**
		37	-	Concentration Elective 2	Last semester	**3**
		38	ETIC 306	Business Ethics	BULW 305	3
		39	INM 401	Quality Management	INM 400	**3**
		40	INM 410	Logistics and Supply Chain Management	INM 400	**3**
	Summer	**41**	**INT 406**	**Internship**	**90 Credit Hours**	**3**
Total Number of Credit Hours						**123**

BBA Concentrations-Career Opportunities

Human Resources Management Concentration

The Bachelor of Business Administration in Human Resources is intended for students who wish to pursue careers in human resource departments of local/ global /private /government organizations in the following fields: Human Resource Management, Organizational Development, Compensation and Benefits Management, Human Resources Consultancy, Employee Relations, Recruitment & Selections, Training and Professional Development

Marketing Concentration

The Bachelor of Business Administration in Marketing is intended for students who desire to target jobs in the in marketing departments of local/ global /private /government organizations in the following fields: Sales Management, Marketing Planning, Advertising/Promotion, Public Relations Management, Brand and Product/Services Management, Customer Relationship Management, Electronic Marketing and Global Marketing.

Accounting Concentration

The Bachelor of Business Administration in Accounting is designed to enable students to qualify for managerial level positions and have competency to take up professional responsibilities to assess financial health of a company, assess risks and audit financial statements. This program is intended for students who desire to target jobs in the fields of: Accounting, Auditing, Bookkeeping and Payrolls.

Finance Concentration

As a growing sector in this region, many employers aggressively seek after the graduates of Bachelor of Business Administration in Finance. Graduates of the program will be able to develop the competencies to take up professional roles in local or global corporations, government and private agencies, international trade, and international public institutions in the areas of: Bank management, commercial lending, Financial analysis, Portfolio management, Security analysis and Auditing.

Hospitality Concentration

The Bachelor of Business Administration in Hospitality Management will be able to develop the competencies of students to work in multi-cultural environment and will contribute to the dynamic and growing hospitality sector of UAE in many key organizations: Hotels and Restaurants, Tour and Travel Agencies, Government

Departments, Tourism Authorities in UAE, Event Management Firms and Public Relation Agencies.

Industrial Management Concentration

The Bachelor of Business Administration in Industrial Management is designed to enable students to qualify for managerial level positions in the sectors ranging from aerospace, defense, healthcare, metal and mining, food, Oil and Gas and similar. Some of the jobs targeted through this program are in the following areas: Industrial Production Manager, Compliance Officer, Production Manager, Operations Manager, Purchasing Manager, Quality Assurance Control Manager, Facility Manager and Organizational Consultant.

BACHELOR OF INFORMATION TECHNOLOGY (BIT)

BIT Course Sequence

BIT (General) Study Plan

Semester	Code	Course Title	Type	Pre-Requisite	Credits
Year 1 Fall	GED 101	Computer Applications	GE	None	3 (3Lec)
	GED 108	Introduction to Arts	GE	None	3 (3Lec)
	GED 107	UAE Society and Culture	GE	None	3 (3Lec)
	GED 104	Islamic Culture	GE	None	3 (3Lec)
	GED 102	English Writing Skills	GE	None	3 (3Lec)
Total					**15**
Year 1 Spring	MTH 103	Discrete Mathematics	CR	None	3 (3Lec)
	ITG 211	Management Information Systems	CR	GED 101	3 (3Lec)
	ITG 105	Introduction to Computer Science	CR	None	3 (3 Lec + 1Tut)
	GED 105	Environmental Studies	GE	None	3 (3Lec)
	GED 109	Critical Thinking	GE	GED 102	3 (3Lec)
Total					**15**
Year 2 Fall	ITG 101	Fundamentals of Web Technologies	CR	GED 101	3 (2Lec+2Lab)
	ITG 202	Fundamentals of Networking	CR	ITG 105	3 (2Lec+2Lab)
	ITG 203	Computer Programming Fundamentals	CR	ITG105	3 (2Lec+2Lab)
	ITG 204	Fundamentals of Database	CR	GED 101	3 (3Lec)
	ITG 205	Computer Architecture and Organization	CR	ITG 105	3 (3Lec)
Total					**15**
Year 2 Spring	ITG 206	Object Oriented Programming	CR	ITG 203	3 (2Lec+2Lab)
	ITG 207	Network Communications and Security	AD	ITG 202	3 (3Lec)
	ITG 208	Operating System	CR	ITG 203	3 (3Lec)
	ITG 209	Software Engineering	CR	ITG 105	3 (3Lec)
	ITG 210	Database Programming	CR	ITG 204	3 (2Lec+2Lab)
Total					**15**
Year 3 Fall	ITG 301	Web Development	AD	ITG 101	3 (2Lec+2Lab)
	ITG 302	Human Computer Interaction	CR	ITG 101	3 (3Lec)
	ITG 303	Cloud Computing	AD	ITG 207	3 (2Lec+2Lab)
	ITG 304	Information Assurance and Security	CR	ITG 203	3 (3Lec)
	ITG 305	Distributed Systems	AD	ITG 208	3 (3Lec)
Total					**15**
Year 3 Spring	ITG 311	Systems Analysis and Design	AD	ITG 209	3 (3Lec)
	ITG 307	Mobile Application Development	AD	ITG 206	3 (2Lec+2Lab)
	ITG 308	Intelligent Systems	AD	ITG 206	3 (3Lec)
	ITG 309	Digital Media	AD	GED 101	3 (2Lec+2Lab)
	ITG 310	Data Warehousing	AD	ITG 210	3 (2Lec+2Lab)
Total					**15**
Year 4 Fall	RESM 202	Research Methodology	CR	MTH 103	3 (3Lec)
	ITG 401	Project Management	AD	ITG 209	3 (3Lec)
	ITG 402	Integrative Programming and Technologies	CR	ITG 204	3 (3Lec)
	ITG 403	System Administration and Maintenance	AD	ITG 208	3 (3Lec)
	ITG 404	e-Commerce	AD	ITG 301	3 (3Lec)
Total					**15**
Year 4 Spring	ITG 405	Knowledge Based Systems	AD	ITG 308	3 (2Lec+2Lab)
	ITG 406	IT and Society	AD	ITG 209	3 (3Lec)
	ITG 407	Software Quality Management	AD	ITG 209	3 (3Lec)
	ITG 408	Graduation Project	AD	Completion of 96 Crs	3 (1Lec+4Lab)
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3 (3Lec)
Total					15
Year 4 Summer	ITG 409	Internship	-	Completion of 90 Crs	3Crs
Total					**123**

GE: General Education CR: Core AD: Advanced Core

Cloud Computing Concentration Study Plan

Semester	Code	Course Title	Type	Pre-Requisite	Credits
Year 1 Fall	GED 101	Computer Applications	GE	None	3 (3Lec)
	GED 108	Introduction to Arts	GE	None	3 (3Lec)
	GED 107	UAE Society and Culture	GE	None	3 (3Lec)
	GED 104	Islamic Culture	GE	None	3 (3Lec)
	GED 102	English Writing Skills	GE	None	3 (3Lec)
Total					
Year 1 Spring	MTH 103	Discrete Mathematics	CR	None	3 (3Lec)
	ITG 211	Management Information Systems	CR	GED 101	3 (3Lec)
	ITG 105	Introduction to Computer Science	CR	None	3 (3 Lec + 1Tut)
	GED 105	Environmental Studies	GE	None	3 (3Lec)
	GED 109	Critical Thinking	GE	GED 102	3 (3Lec)
Total					**15**
Year 2 Fall	ITG 101	Fundamentals of Web Technologies	CR	GED 101	3 (2Lec+2Lab)
	ITG 202	Fundamentals of Networking	CR	ITG 105	3 (2Lec+2Lab)
	ITG 203	Computer Programming Fundamentals	CR	ITG105	3 (2Lec+2Lab)
	ITG 204	Fundamentals of Database	CR	GED 101	3 (3Lec)
	ITG 205	Computer Architecture and Organization	CR	ITG 105	3 (3Lec)
Total					
Year 2 Spring	ITG 206	Object Oriented Programming	CR	ITG 203	3 (2Lec+2Lab)
	ITG 207	Network Communications and Security	AD	ITG 202	3 (3Lec)
	ITG 208	Operating System	CR	ITG 203	3 (3Lec)
	ITG 209	Software Engineering	CR	ITG 105	3 (3Lec)
	ITG 210	Database Programming	CR	ITG 204	3 (2Lec+2Lab)
Total					
Year 3 Fall	ITG 301	Web Development	AD	ITG 101	3 (2Lec+2Lab)
	ITG 302	Human Computer Interaction	CR	ITG 101	3 (3Lec)
	ITG 303	Cloud Computing	CN	ITG 207	3 (2Lec+2Lab)
	ITG 304	Information Assurance and Security	CR	ITG 203	3 (3Lec)
	ITG 305	Distributed Systems	AD	ITG 208	3 (3Lec)
Total					
Year 3 Spring	ITG 311	Systems Analysis and Design	AD	ITG 209	3 (3Lec)
	ITCC 321	Cloud Virtualization	CN	ITG 303	3 (2Lec+2Lab)
	ITG 308	Intelligent Systems	AD	ITG 206	3 (3Lec)
	ITCC 322	Cloud Computing Security	CN	ITG 303	3 (3Lecs)
	ITG 310	Data Warehousing	AD	ITG 210	3 (2Lec+2Lab)
Total					**15**
Year 4 Fall	RESM 202	Research Methodology	CR	MTH 103	3 (3Lec)
	ITG 401	Project Management	AD	ITG 209	3 (3Lec)
	ITG 402	Integrative Programming and Technologies	CR	ITG 204	3 (3Lec)
	ITCC 411	Network Virtualization Administration	CN	ITCC 321	3 (2Lec+2Lab)
	ITG 404	e-Commerce	AD	ITG 303	3 (3Lec)
Total					
Year 4 Spring	ITCC 421	Special Topics in Cloud Computing	CN	ITCC 411	3 (3Lec)
	ITG 406	IT and Society	AD	ITG 209	3 (3Lec)
	ITG 407	Software Quality Management	AD	ITG 209	3 (3Lec)
	ITG 408	Graduation Project	AD	Completion of 96 Crs	3 (1Lec+4Lab)
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3 (3Lec)
Total					15
Year 4 Summer	ITG 409	Internship	-	Completion of 90 Crs	3Crs
Total					**123**

GE: General Education CR: Core AD: Advanced Core

Mobile Application Development Concentration Study Plan

Semester	Code	Course Title	Type	Pre-Requisite	Credits
Year 1 Fall	GED 101	Computer Applications	GE	None	3 (3Lec)
	GED 108	Introduction to Arts	GE	None	3 (3Lec)
	GED 107	UAE Society and Culture	GE	None	3 (3Lec)
	GED 104	Islamic Culture	GE	None	3 (3Lec)
	GED 102	English Writing Skills	GE	None	3 (3Lec)
Total					**15**
Year 1 Spring	MTH 103	Discrete Mathematics	CR	None	3 (3Lec)
	ITG 211	Management Information Systems	CR	GED 101	3 (3Lec)
	ITG 105	Introduction to Computer Science	CR	None	3 (3 Lec + 1Tut)
	GED 105	Environmental Studies	GE	None	3 (3Lec)
	GED 109	Critical Thinking	GE	GED 102	3 (3Lec)
Total					**15**
Year 2 Fall	ITG 101	Fundamentals of Web Technologies	CR	GED 101	3 (2Lec+2Lab)
	ITG 202	Fundamentals of Networking	CR	ITG 105	3 (2Lec+2Lab)
	ITG 203	Computer Programming Fundamentals	CR	ITG105	3 (2Lec+2Lab)
	ITG 204	Fundamentals of Database	CR	GED 101	3 (3Lec)
	ITG 205	Computer Architecture and Organization	CR	ITG 105	3 (3Lec)
Total					**15**
Year 2 Spring	ITG 206	Object Oriented Programming	CR	ITG 203	3 (2Lec+2Lab)
	ITG 207	Network Communications and Security	AD	ITG 202	3 (3Lec)
	ITG 208	Operating System	CR	ITG 203	3 (3Lec)
	ITG 209	Software Engineering	CR	ITG 105	3 (3Lec)
	ITG 210	Database Programming	CR	ITG 204	3 (2Lec+2Lab)
Total					**15**
Year 3 Fall	ITG 301	Web Development	AD	ITG 101	3 (2Lec+2Lab)
	ITG 302	Human Computer Interaction	CR	ITG 101	3 (3Lec)
	ITMD 312	Mobile Security	CN	ITG 206	3 (3Lecs)
	ITG 304	Information Assurance and Security	CR	ITG 203	3 (3Lec)
	ITG 305	Distributed Systems	AD	ITG 208	3 (3Lec)
Total					**15**
Year 3 Spring	ITG 311	Systems Analysis and Design	AD	ITG 209	3 (3Lec)
	ITG 307	Mobile Application Development	CN	ITG 206	3 (2Lec+2Lab)
	ITG 308	Intelligent Systems	AD	ITG 206	3 (3Lec)
	ITMD 323	Advanced Mobile Apps Android	CN	ITMD 312	3 (2Lec+2Lab)
	ITG 310	Data Warehousing	AD	ITG 210	3 (2Lec+2Lab)
Total					**15**
Year 4 Fall	RESM 202	Research Methodology	CR	MTH 103	3 (3Lec)
	ITG 401	Project Management	AD	ITG 209	3 (3Lec)
	ITG 402	Integrative Programming and Technologies	CR	ITG 204	3 (3Lec)
	ITMD 412	Advanced Mobile Apps iOS	CN	ITG 307	3 (2Lec+2Lab)
	ITG 404	e-Commerce	AD	ITG 301	3 (3Lec)
Total					**15**
Year 4 Spring	ITMD 422	Special Topics in Mobile Application Development	CN	ITMD 412	3 (3Lec)
	ITG 406	IT and Society	AD	ITG 209	3 (3Lec)
	ITG 407	Software Quality Management	AD	ITG 209	3 (3Lec)
	ITG 408	Graduation Project	AD	Completion of 96 Crs	3 (1Lec+4Lab)
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3 (3Lec)
Total					15
Year 4 Summer	ITG 409	Internship	-	Completion of 90 Crs	3Crs
Total					**123**

GE: General Education CR: Core AD: Advanced Cor

Multimedia and Game Development Concentration Study Plan

Semester	Code	Course Title	Type	Pre-Requisite	Credits
Year 1 Fall	GED 101	Computer Applications	GE	None	3 (3Lec)
	GED 108	Introduction to Arts	GE	None	3 (3Lec)
	GED 107	UAE Society and Culture	GE	None	3 (3Lec)
	GED 104	Islamic Culture	GE	None	3 (3Lec)
	GED 102	English Writing Skills	GE	None	3 (3Lec)
Total					**15**
Year 1 Spring	MTH 103	Discrete Mathematics	CR	None	3 (3Lec)
	ITG 211	Management Information Systems	CR	GED 101	3 (3Lec)
	ITG 105	Introduction to Computer Science	CR	None	3 (3 Lec + 1Tut)
	GED 105	Environmental Studies	GE	None	3 (3Lec)
	GED 109	Critical Thinking	GE	GED 102	3 (3Lec)
Total					**15**
Year 2 Fall	ITG 101	Fundamentals of Web Technologies	CR	GED 101	3 (2Lec+2Lab)
	ITG 202	Fundamentals of Networking	CR	ITG 105	3 (2Lec+2Lab)
	ITG 203	Computer Programming Fundamentals	CR	ITG105	3 (2Lec+2Lab)
	ITG 204	Fundamentals of Database	CR	GED 101	3 (3Lec)
	ITG 205	Computer Architecture and Organization	CR	ITG 105	3 (3Lec)
Total					**15**
Year 2 Spring	ITG 206	Object Oriented Programming	CR	ITG 203	3 (2Lec+2Lab)
	ITG 207	Network Communications and Security	AD	ITG 202	3 (3Lec)
	ITG 208	Operating System	CR	ITG 203	3 (3Lec)
	ITG 209	Software Engineering	CR	ITG 105	3 (3Lec)
	ITG 210	Database Programming	CR	ITG 204	3 (2Lec+2Lab)
Total					**15**
Year 3 Fall	ITG 301	Web Development	AD	ITG 101	3 (2Lec+2Lab)
	ITG 302	Human Computer Interaction	CR	ITG 101	3 (3Lec)
	ITMG 313	Computer Graphics	CN	ITG 206	3 (2Lec+2Lab)
	ITG 304	Information Assurance and Security	CR	ITG 203	3 (3Lec)
	ITG 305	Distributed Systems	AD	ITG 208	3 (3Lec)
Total					**15**
Year 3 Spring	ITG 311	Systems Analysis and Design	AD	ITG 209	3 (3Lec)
	ITMG 324	3D Modeling and Animation	CN	ITMG 313	3 (2Lec+2Lab)
	ITG 308	Intelligent Systems	AD	ITG 206	3 (3Lec)
	ITG 309	Digital Media	CN	GED 101	3 (2Lec+2Lab)
	ITG 310	Data Warehousing	AD	ITG 210	3 (2Lec+2Lab)
Total					**15**
Year 4 Fall	RESM 202	Research Methodology	CR	MTH 103	3 (3Lec)
	ITG 401	Project Management	AD	ITG 209	3 (3Lec)
	ITG 402	Integrative Programming and Technologies	CR	ITG 204	3 (3Lec)
	ITMG 413	Game Development	CN	ITMG 324	3 (2Lec+2Lab)
	ITG 404	e-Commerce	AD	ITG 301	3 (3Lec)
Total					**15**
Year 4 Spring	ITMG 423	Special Topics in Multimedia and Game Development	CN	ITMG 413	3 (3Lec)
	ITG 406	IT and Society	AD	ITG 209	3 (3Lec)
	ITG 407	Software Quality Management	AD	ITG 209	3 (3Lec)
	ITG 408	Graduation Project	AD	Completion of 96 Crs	3 (1Lec+4Lab)
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3 (3Lec)
Total					15
Year 4 Summer	ITG 409	Internship	-	Completion of 90 Crs	3Crs
Total					**123**

GE: General Education CR: Core AD: Advanced Core

BACHELOR OF MASS COMMUNICATION (BMC)

BMC Course Sequence

		م	رمز المساق	اسم المساق	متطلب سابق	س.م.
السنة الأولى	الفصل الأول - خريف	1	**GED 101**	تطبيقات الحاسوب	لا يوجد	3
		2	**GED 102**	English Writing Skills	لا يوجد	3
		3	**GED 104**	ثقافة إسلامية	لا يوجد	3
		4	**GED 151**	كتابة احترافية بالعربية	لا يوجد	3
		5	**GED 105**	دراسات بيئية	لا يوجد	3
	الفصل الثاني - ربيع	6	-	**متطلب جامعي إختياري**	-	3
		7	**GED 107**	مجتمع وثقافة الإمارات	لا يوجد	3
		8	COM 100	مدخل إلى العلاقات العامة	لا يوجد	3
		9	COM 101	مدخل إلى الإعلان	لا يوجد	3
		10	SOC 115	مدخل إلى علم الاجتماع	لا يوجد	3
السنة الثانية	الفصل الثالث - خريف	11	COM 215	وسائل الإعلام في دولة الإمارات	لا يوجد	3
		12	COM 228	الرأي العام	لا يوجد	3
		13	COM 102	مدخل إلى الإعلام الرقمي	لا يوجد	3
		14	ECO 110	مبادئ الاقتصاد	لا يوجد	3
		15	HIS 223	التاريخ العربي الحديث	GED 107	3
	الفصل الرابع - ربيع	16	MGM 130	مبادئ الإدارة	لا يوجد	3
		17	COM 230	التصوير الرقمي	لا يوجد	3
		18	**GED 103**	Advanced English Writing Skills	GED 102	3
		19	PRL 234	الكتابة للعلاقات العامة	COM 100	2 - 2
		20	PRL 331	إدارة العلاقات العامة	COM 100	3
السنة الثالثة	الفصل الخامس - خريف	21	PRL 335	العلاقات العامة الدولية	COM 100	3
		22	PRL 336	Public Relations Cases	PRL 234	3
		23	COM 220	الترجمة الإعلامية	GED 102	3
		24	COM 235	تطبيقات إحصائية في الاعلام	GED 101	3
		25	**GED 109**	تفكير نقدي	لا يوجد	3
	الفصل السادس - ربيع	26	COM 320	الاتصال الدولي	لا يوجد	3
		27	PRL 340	Online Public Relations	PRL 234	2 - 2
		28	POL 331	العلاقات الدولية	لا يوجد	3
		29	GEO 333	الجغرافيا السياسية	لا يوجد	3
		30	LIT 229	الأدب العربي الحديث	GED 109	3
	فصل الصيف	31	PRL 430	تدريب ميداني	90 ساعة معتمدة	3
السنة الرابعة	الفصل السابع - خريف	32	PRL 414	الاتصال التنظيمي	PRL 331	3
		33	PRL 424	حملات العلاقات العامة	PRL 331	2 - 2
		34	COM 410	قوانين وأخلاقيات الإعلام	COM 215	3
		35	COM 420	مناهج بحوث الإعلام	COM 235	3
		36	-	متطلب البرنامج	-	3
		37	-	متطلب البرنامج	-	3
	الفصل الثامن - ربيع	38	COM 402	الاعلان وسلوك المستهلك	COM 101	3
		39	COM 401	اللغة العربية والإعلام	GED 151	3
		40	SOC 409	علم النفس الاجتماعي	SOC 115	3
		41	MMD 424	الوسائط المتعددة	GED 101	3
		42	GED 110	Innovation and Entrepreneurship	45 Credit Hours	3
	فصل الصيف	43	PRL 435	مشروع تخرج	الفصل النهائي	3
المجموع الكلي للساعات المعتمدة						**129**

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSC CPE)

BSC CPE Course Sequence

BSC Computer Engineering Study Plan

Semester	Code	Course Title	Type	CO/Pre-Requisite	Crs.
1	CHM 101	Chemistry for Engineering	B.SCI	None	3
	MTH 101	Calculus I	MTH	None	4
	PHY 101	Physics I	B.SCI	MTH101*	4
	GED 101	Computer Applications	GE	None	3
	GED 102	English Writing Skills	GE	None	3
					17
2	MTH 103	Discrete Math	MTH	None	3
	MTH 102	Calculus II	MTH	MTH101	4
	PHY 102	Physics II	B.SCI	PHY101, MTH102*	4
	ENG 101	Introduction to Engineering	SR	None	2
	-	General Education Course	GE	None	3
					16
3	MTH 201	Differential Equations	MTH	MTH102	4
	ELE 201	Circuit I	ELE	MTH102	4
	CPE 201	Computer Programming Fundamentals	CEC	MTH103	4
	ELE 202	Digital Logic Circuits	ELE	ENG101,MTH103	4
	ECN 201	Engineering Economy	SR	None	2
					18
4	MTH 202	Linear Algebra	MATH	MTH201	3
	ELE 203	Engineering Programming and analysis	ELE	CPE201	4
	CPE 202	Fundamentals of Networking	CEC	CPE201,ELE202	4
	CPE 203	Data Structure	CEC	CPE 201	3
	-	General Education Course	GE	None	3
					17
5	ELE 301	Electronic Circuits	ELE	ELE201	4
	ELE 302	Signal and Systems	ELE	ELE201,ELE203	3
	CPE 301	Network Communications and Security	CEC	CPE202	4
	ELE 303	Introduction to Microprocessors	ELE	ELE202	4
	-	General Education Course	GE	None	3
					18
6	MTH 301	Probability and Statistics	MTH	MTH103	3
	ELE 304	Digital Signal Processing	ELE	ELE302,MTH301*	3
	CPE 302	Operating System	CEC	CPE203,CPE303*	3
	CPE 303	Computer Architecture and Organization	CEC	ELE202	3
	RESM 202	Research Methodology	SR	Advisor's Approval	3
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3
					18
7	ENG 401	Engineering Design Project I	CPE/ELE	Advisor's Approval	2
	ELE 402	Computer systems Instrumentation & Control	ELE	ELE304	4
	ELE 401	Digital Image Processing and Applications	ELE	ELE304	3
	ENG 402	Embedded Systems	CEC	ELE303	4
	-	Technical Elective I	CPE/ELE	Advisor's Approval	3
					16
8	ENG 402	Engineering Design Project II	CPE/ELE	Advisor's Approval	3
	CPE 404	Computer Hardware Design	CEC	CPE303	4
	CPE 405	I/O Interfacing	CEC	ELE304	4
	-	Technical Elective II	CPE/ELE	Advisor's Approval	3
	-	Technical Elective III	CPE/ELE	Advisor's Approval	3
					17
Summer	**ENG 400**	**Internship (Training 8 weeks)**			**3**
				Grand Total	**140**

GE: General Education **CSC**: Computer Science Course **ELE**: Electrical Engineering Course
MTH: Mathematics **SR**: Specialization Requirement **B.SCI:** Basic Science

CME: Communication Engineering **SGE**: Smart Grid Engineering The * signifies co-requisite **Crs.**: Credits

Cyber Security Concentration Study Plan

Semester	Code	Course Title	Type	CO/Pre-Requisite	Crs.
1	CHM101	Chemistry for Engineering	B.SCI	None	3
	MTH101	Calculus I	MTH	None	4
	PHY101	Physics I	B.SCI	MTH101*	4
	GED101	Computer Applications	GE	None	3
	GED102	English Writing Skills	GE	None	3
					17
2	MTH103	Discrete Math	MTH	None	3
	MTH102	Calculus II	MTH	MTH101	4
	PHY102	Physics II	B.SCI	PHY101, MTH102*	4
	ENG101	Introduction to Engineering	SR	None	2
	xxx-xxx	General Study Course	GE	None	3
					16
3	MTH201	Differential Equations	MTH	MTH102	4
	ELE201	Circuit I	ELE	MTH102	4
	CPE201	Computer Programming Fundamentals	CEC	MTH103	4
	ELE202	Digital Logic Circuits	ELE	ENG101,MTH103	4
	ECN201	Engineering Economy	SR	None	2
					18
4	MTH202	Linear Algebra	MATH	MTH201	3
	ELE203	Engineering Programming and analysis	ELE	CPE201	4
	CPE202	Fundamentals of Networking	CEC	CPE201,ELE202	4
	CPE203	Data Structure	CEC	CPE201	3
	xxx-xxx	General Study Course	GE	None	3
					17
5	ELE301	Electronic Circuits	ELE	ELE201	4
	ELE302	Signal and Systems	ELE	ELE201,ELE203	3
	CPE301	Network Communications and Security	CEC	CPE202	4
	ELE303	Introduction to Microprocessors	ELE	ELE202	4
	xxx-xxx	General Study Course	GE	None	3
					18
6	MTH301	Probability and Statistics	MTH	MTH103	3
	ELE304	Digital Signal Processing	ELE	ELE302,MTH301*	3
	CPE302	Operating System	CEC	CPE203,CPE303*	3
	CPE303	Computer Architecture and Organization	CEC	ELE202	3
	RESM202	Research Methodology	SR	Advisor's Approval	3
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3
					18
7	ENG401	Engineering Design Project I	CPE/ELE	Advisor's Approval	2
	CPE406	Cryptography	CEC	CPE203, MTH103	4
	CPE407	Digital Forensics	CEC	CPE301	3
	CPE402	Embedded Systems	CEC	ELE303	4
	CPE408	Wireless and Mobile Networks Security	CEC	CPE301,ELE304, MTH301	3
					16
8	ENG402	Engineering Design Project II	CPE/ELE	Advisor's Approval	3
	CPE404	Computer Hardware Design	CEC	CPE303	4
	CPE405	I/O Interfacing	CEC	ELE304	4
	CPE409	Ethical Hacking	CEC	CPE406, CPC407	3
	CPE410	Special Topics in Cyber Security	CEC	Advisor's Approval	3
					17
Summer	**ENG400**	**Internship (Training 8 weeks)**			**3**
Grand Total					**140**

GE: General Education **CSC**: Computer Science Course **ELE**: Electrical Engineering Course
MTH: Mathematics **SR**: Specialization Requirement **B.SCI:** Basic Science
CME: Communication Engineering **SGE**: Smart Grid Engineering The * signifies co-requisite

Crs.: Credits

BACHELOR OF SCIENCE IN COMMUNICATION ENGINEERING (BSE CME)

BSC Communication Engineering Course Sequence

Semester	Code	Course Title	Type	CO/Pre-Requisite	Crs.
1	CHM 101	Chemistry for Engineering	B.SCI	None	3
	MTH 101	Calculus I	MTH	None	4
	PHY 101	Physics I	B.SCI	MTH101*	4
	GED 101	Computer Applications	GE	None	3
	GED 102	English Writing Skills	GE	None	3
					17
2	MTH 103	Discrete Math	MTH	None	3
	MTH 102	Calculus II	MTH	MTH101	4
	PHY 102	Physics II	B.SCI	PHY101, MTH102*	4
	ENG 101	Introduction to Engineering	SR	None	2
	-	General Education Course	GE	None	3
					16
3	MTH 201	Differential Equations	MTH	MTH102	4
	ELE 201	Circuit I	ELE	MTH102	4
	CPE 201	Computer Programming Fundamentals	CSC	MTH103	4
	ELE 202	Digital Logic Circuits	ELE	ENG101,MTH103	4
	ECN 201	Engineering Economy	SR	None	2
					18
4	MTH 202	Linear Algebra	MATH	MTH201	3
	ELE 203	Engineering Programming and analysis	ELE	CPE201	4
	CPE 202	Fundamentals of Networking	CSC	CPE201,ELE202	4
	ELE 204	Circuit II	ELE	ELE201	4
	-	General Education Course	GE	None	3
					18
5	ELE 301	Electronic Circuits	ELE	ELE201	4
	ELE 302	Signal and Systems	ELE	ELE201,ELE203	3
	CPE 301	Network Communications and Security	CSC	CPE202	4
	ELE 303	Introduction to Microprocessors	ELE	ELE202	4
	-	General Education Course	GE	None	3
					18
6	MTH 301	Probability and Statistics	MTH	MTH103	3
	ELE 304	Digital Signal Processing	ELE	ELE302,MTH301*	3
	CME 301	Communication Systems	CME	ELE302	4
	CME 302	Electromagnetic Fields and Wave Propagation	CME	PHY102	3
	RESM 202	Research Methodology	SR	Advisor's Approval	3
	GED 110	Innovation and Entrepreneurship	GE	45 Credit Hours	3
					19
7	ENG 401	Engineering Design Project I	CPE/ELE	Advisor's Approval	2
	ELE 402	Computer systems Instrumentation & Control	ELE	ELE304	4
	CME 402	Digital Communications	CME	CME301	4
	-	Technical Elective I	CME	Advisor's Approval	3
	-	Technical Elective II	CME/ELE	Advisor's Approval	3
					16
8	ENG 402	Engineering Design Project II	CME/ELE	Advisor's Approval	3
	CME 404	Wireless Communications	CME	CME402	3
	-	Technical Elective III	CME	Advisor's Approval	3
	-	Technical Elective IV	CME	Advisor's Approval	3
	-	Technical Elective V	CME	Advisor's Approval	3
					15
Summer	**ENG 400**	**Internship (Training 8 weeks)**			**3**
				Grand Total	**140**

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSE EE)

BSC Electrical Engineering Course Sequence

Automatic Control System Concentration Study Plan

Semester	Code	Course Title	Type	CO/Pre-Requisite	Crs.
1	xxx-xxx	General Study Course	GE	None	3
	MTH101	Calculus I	MTH	None	4
	PHY101	Physics I	B.SCI	MTH101*	4
	GED101	Computer Applications	GE	None	3
	GEDL102	English Writing Skills	GE	None	3
					17
2	MTH103	Discrete Math	MTH	None	3
	MTH102	Calculus II	MTH	MTH101	4
	PHY102	Physics II	B.SCI	PHY101, MTH102*	4
	ENG101	Introduction to Engineering	SR	None	2
	CHM101	Chemistry for Engineering	B.SCI	None	3
					16
3	MTH201	Differential Equations	MTH	MTH102	4
	ELE201	Circuit I	ELE	MTH102	4
	CPE201	Computer Programming Fundamentals	CSC	MTH103	4
	ELE202	Digital Logic Circuits	ELE	ENG101,MTH103	4
	ECN201	Engineering Economy	SR	None	2
					18
4	MTH202	Linear Algebra	MATH	MTH201	3
	ELE203	Engineering Programming and analysis	ELE	CPE201	4
	GED110	Innovation and Entrepreneurship	GE	Advisor's Approval	3
	ELE204	Circuit II	ELE	ELE201	4
	xxx-xxx	General Study Course	GE	None	3
					17
5	ELE301	Electronic Circuits	ELE	ELE201	4
	ELE302	Signal and Systems	ELE	ELE201,ELE203	3
	ELE303	Microprocessors and Microcontrollers	ELE	ELE202	4
	ELE305	Control Systems	ACE	ELE204,ELE302*	4
	ELE306	Electrical Machines, Drives and Power systems	ACE	ELE204	3
					18
6	MTH301	Probability and Statistics	MTH	MTH103	3
	ACE301	Instrumentation and Measurements	ACE	ELE305	4
	CME301	Communication Systems	CME	ELE302	4
	CME302	Electromagnetic Fields and Wave Propagation	CME	PHY102	3
	xxx-xxx	General Study Course	GE	None	3
	RESM202	Research Methodology	SR	Advisor's Approval	3
					20
7	ENG401	Engineering Design Project I	ACE	Advisor's Approval	2
	ACE402	Automatic Control Systems	ELE	ELE303	4
	ACE403	Digital Control Systems	ACE	ELE305	4
	ACE404	Robotics and Simulation	ACE	ELE303	
	XXX-XXX	Technical Elective I	ACE	Advisor's Approval	3
					16
8	ENG402	Engineering Design Project II	ICE	Advisor's Approval	3
	ACE406	Power Systems Protection and control	ICE	ICE302	3
	ACE407	Industrial Control Systems	ICE	Advisor's Approval	3
	XXX-XXX	Technical Elective II	ICE	Advisor's Approval	3
	XXX-XXX	Technical Elective III	ICE	Advisor's Approval	3
					15
Summer	**ENG 400**	**Internship**			**3**
Grand Total					**140**

GE: General Education
MTH: Mathematics
CME: Communication Engineering
Crs.: Credits
CSC: Computer Science Course
SR: Specialization Requirement
SGE: Smart Grid Engineering
ELE: Electrical Engineering Course
B.SCI: Basic Science
The * signifies co-requisite

Smart Grid Concentration Study Plan

Semester	Code	Course Title	Type	CO/Pre-Requisite	Crs.
1	xxx-xxx	General Study Course	GE	None	3
	MTH101	Calculus I	MTH	None	4
	PHY101	Physics I	B.SCI	MTH101*	4
	GED101	Computer Applications	GE	None	3
	GEDL102	English Writing Skills	GE	None	3
					17
2	MTH103	Discrete Math	MTH	None	3
	MTH102	Calculus II	MTH	MTH101	4
	PHY102	Physics II	B.SCI	PHY101, MTH102*	4
	ENG101	Introduction to Engineering	SR	None	2
	CHM101	Chemistry for Engineering	B.SCI	None	3
					16
3	MTH201	Differential Equations	MTH	MTH102	4
	ELE201	Circuit I	ELE	MTH102	4
	CPE201	Computer Programming Fundamentals	CSC	MTH103	4
	ELE202	Digital Logic Circuits	ELE	ENG101,MTH103	4
	ECN201	Engineering Economy	SR	None	2
					18
4	MTH202	Linear Algebra	MATH	MTH201	3
	ELE203	Engineering Programming and analysis	ELE	CPE201	4
	GED110	Innovation and Entrepreneurship	GE	Advisor's Approval	3
	ELE204	Circuit II	ELE	ELE201	4
	xxx-xxx	General Study Course	GE	None	3
					17
5	ELE301	Electronic Circuits	ELE	ELE201	4
	ELE302	Signal and Systems	ELE	ELE201,ELE203	3
	ELE303	Microprocessors and Microcontrollers	ELE	ELE202	4
	ELE305	Control Systems	ACE	ELE204,ELE302*	4
	ELE306	Electrical Machines, Drives and Power systems	ACE	ELE204	3
					18
6	MTH301	Probability and Statistics	MTH	MTH103	3
	SGE301	Advanced Electronic Circuits	SGE	ELE301	3
	CME301	Communication Systems	CME	ELE302	4
	CME302	Electromagnetic Fields and Wave Propagation	CME	PHY102	3
	xxx-xxx	General Study Course	GE	None	3
	RESM202	Research Methodology	SR	Advisor's Approval	3
					19
7	ENG401	Engineering Design Project I	SGE	Advisor's Approval	2
	SGE402	Renewable Energy	SGE	ELE304	4
	SGE403	Smart Grid Applications and Technologies	SCE	ELE303	4
	SGE404	Digital Systems	SGE	ELE303	4
	XXX-XXX	Technical Elective I	ACE	Advisor's Approval	3
					17
8	ENG402	Engineering Design Project II	ICE	Advisor's Approval	3
	SGE406	Power Electronics and Smart Power system	ICE	ELE306	3
	SGE407	Energy Conversion and Storage	ICE	SGE402	3
	XXX-XXX	Technical Elective II	ICE	Advisor's Approval	3
	XXX-XXX	Technical Elective III	ICE	Advisor's Approval	3
					15
Summer	**ENG 400**	**Internship**			**3**
Grand Total					**140**

GE: General Education
MTH: Mathematics
CME: Communication Engineering
CSC: Computer Science Course
SR: Specialization Requirement
SGE: Smart Grid Engineering
ELE: Electrical Engineering Course
B.SCI: Basic Science
The ***** signifies co-requisite

Crs.: Credits

FOUNDATION

Foundation Course Sequence

This program comprises five core component courses that is taken by the student in 1 semester:

- FEC001 - English Communications
- FAR001 - Arabic Communications Skills
- FMT001/002 - Mathematics (I or II)*
- FIT001 - Information Technology
- FSS001 - General Study Skills

Foundation Program Rules and Regulations

Students enrolled in this Foundation Program are not considered as matriculated students and must not register any credit bearing courses at ADUC before completing all courses of the program.

The Foundation Program does not apply to students who hold High School Certificates from other systems of Education (British GCE / IGCSE or American Diploma). Students falling under this category will need to meet the minimum admission requirements (60%+).
No credits will be awarded for the courses within the program.
Courses of the Foundation Program are not transferable among universities or colleges.
The successful completion of this program guarantees the student admission into any accredited programs offered at ADUC. However, the College does not guarantee admission of the student into other colleges, or universities, which may have different and higher admission requirements.

Foundation Course Exemptions

Upon admissions stage only, students may submit the following certificates to get exempted from courses according to:

Certificate	Extended Courses
ICDL Certification (7 Modules)	Information Technology
Programs delivered in English • TOEFL ITP 500+, iBT61+ • IELTLS Academic 5.0+	English Communications
Programs delivered in Arabic • TOEFL ITP 400+, iBT60+ • IELTLS Academic 4.5+	

INFORMATION ABOUT COURSE OFFERINGS – COURSE DESCRIPTIONS, NUMBER OF CREDITS, HOURS REQUIRED, PRE-REQUISITES

*Course Descriptions for All Programs are covered under Appendix 1

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

Curriculum

The Bachelor of Business Administration Program at ALDAR consists of 4 major Learning Blocs:

Course Organization	Credit Hours
General Education	**30 Credit Hours**
Business Core	**69 Credit Hours**
Free Electives	**06 Credit Hours**
Concentration	**18 Credit Hours**
Total	**123 Credit Hours**

General Education ... 30 Credit Hours

S	Course Code	Course Title	Pre-requisite	Cr
1	GED 101	Computer Applications	None	3
2	GED 102	English Writing Skills	None	3
3	GED 103	Advanced English Writing Skills	GED 102	3
4	GED 104	Islamic Culture	None	3
5	GED 105	Environmental Studies	None	3
6	GED 106	Business Mathematics	None	3
7	GED 107	UAE Society & Culture	None	3
8	GED 108	Introduction to Arts	None	3
9	GED 109	Critical Thinking	None	3
10	GED 110	Innovation and Entrepreneurship	45 Credit Hours	3

Business Core ... 69 Credit Hours

S.No	Course Code	Course Title	Pre-requisite	Cr
1	ECON 201	Microeconomics	None	3
2	BULW 305	Business Law	None	3
3	ECON 204	Macroeconomics	None	3
4	STAT 201	Business Statistics	GED 106	3

5	BUSN 203	Business Communication	GED 103	3
6	MGMT 208	Principles of Management	None	3
7	MKTG 201	Principles of Marketing	None	3
8	RESM 202	Research Methodology	STAT 201	3
9	ORGB 309	Organizational Behavior	MGMT 208	3
10	ECON 206	The Global Economy	ECON 204	3
11	ACCT 202	Introduction to Financial Accounting	None	3
12	ECON 207	The GCC Economies	ECON 206	3
13	FINA 204	Financial Management	ACCT 202	3
14	ACCT 203	Managerial Accounting	ACCT 202	3
15	MGMT 308	International Business	ECON 206	3
16	MGMT 307	Operations Management	MGMT 208	3
17	MGMT 403	Leadership	ORGB 309	3
18	MGMT 209	Career Preparation and Planning	None	3
19	MGMT 404	Management of Change	ORGB 309	3
20	ITG 401	Project Management	None	3
21	STRT 405	Strategic Management	Last year	3
22	ITG 211	Management Information Systems	GED 101	3
23	ETIC 306	Business Ethics	BULW 305	3

Human Resources Management Concentration ... 18 Credit Hours

S	Course Code	Course Title	Pre-requisite	Cr
1	HURM 401	Human Resource Management	MGMT 208	3
2	HURM 402	Performance and Compensation	HURM 401	3
3	HURM 403	Training and Development	HURM 401	3
4	HURM 404	Recruitment and Selection	HURM 401	3
5	HURM 405	UAE Labor Law and Relations	BULW 305	3
6	INT406	Internship	90 Credit Hours	3

Electives ... 2 courses (6 Credit Hours)

Electives consist of two courses to be chosen from any concentration other than the student's chosen field.

S	Course Code	Course Title	Pre-requisite	Cr
1	-	Free Elective 1	-	3
2	-	Free Elective 2	-	3

Marketing Concentration ... 18 Credit Hours

S	Course Code	Course Title	Pre-requisite	Cr
1	MKTG 401	Consumer Behavior	MKTG 201 - RESM 202	3
2	MKTG 402	E-Marketing	MKTG 201	3
3	MKTG 403	Advertising and Promotion	MKTG 201	3
4	MKTG 404	Marketing of Services	MKTG 201	3
5	MKTG 405	Sales Force Management	MKTG 201	3
6	INT406	Internship	90 Credit Hours	3

Electives ... 2 courses (6 Credit Hours)

Electives consist of two courses to be chosen from any concentration other than the student's chosen field.

S	Course Code	Course Title	Pre-requisite	Cr
1	-	Free Elective 1	-	3
2	-	Free Elective 2	-	3

Accounting Concentration ... 18 Credit Hours

S	Course Code	Course Title	Pre-requisite	Cr
1	ACCT 401	Intermediate Accounting I	ACCT 202	3
2	ACCT 402	Intermediate Accounting II	ACCT 401	3
3	ACCT 403	Auditing I	ACCT 401	3
4	ACCT 404	Auditing II	ACCT 403	3
5	ACCT 405	Accounting Information Systems	ACCT 202	3
6	INT406	Internship	90 Credit Hours	3

Electives ... 2 courses (6 Credit Hours)

Electives consist of two courses to be chosen from any concentration other than the student's chosen field.

S	Course Code	Course Title	Pre-requisite	Cr
1	-	Free Elective 1	-	3
2	-	Free Elective 2	-	3

Finance Concentration ... 18 Credit Hours

S. No	Course Code	Course Title	Pre-requisite	Cr
1	FIN 300	Financial Market and Institutions	FINA 204	3
2	FIN 301	Investment and Portfolio management	FINA 204	3
3	FIN 403	International Finance	FINA 204	3
4	FIN 404	Islamic Finance	FINA 204	3
5	FIN 405	Insurance and Risk Management	FIN 300, FIN 301	3
6	INT 406	Internship	90 Credit Hours	3

Finance Electives... 2 courses (6 Credit Hours)

Electives consist of two courses to be chosen from the following.

S. No	Course Code	Course Title	Pre-requisite	Cr
1	FIN 410	Computer Applications of Finance	Last semester	3
2	FIN 411	Financial Statement Analysis	Last semester	3
3	FIN 412	Bank Management	Last semester	3
4	FIN 413	Financial Derivatives	Last semester	3
5	FIN 414	Advanced Corporate Finance	Last semester	3

Hospitality Management Concentration… (18 Credit Hours)

S. No	Course Code	Course Title	Pre-requisite	Cr
1	HOM 300	Introduction to Hospitality &Tourism Management	MGMT208	3
2	HOM 400	Lodging Management	HOM300, MGMT307	3
3	HOM 401	Hospitality Marketing	MKTG201, HOM300	3
4	HOM 402	Food and Beverage Management	HOM300, MGMT307	3
5	HOM 403	Hospitality Facilities Development	HOM 300, MGMT401	3
6	INT406	Internship	90 Credit Hours	3

Hospitality Management Electives … 2 courses (6 Credit Hours)

Electives consist of two courses to be chosen from the following.

S. No	Course Code	Course Title	Pre-requisite	Cr
1	HOM 410	Sustainability in Hospitality	Last semester	3
2	HOM 411	Event management	HOM 300, MGMT401	3
3	HOM412	Legal Aspects of the Hospitality Industry	HOM 300, BULW305	3
4	HOM 413	Financial Accounting for Hospitality Organizations	ACCT 202	3
5	MKTG 401	Consumer Behavior	MKTG201,RESM202	3
6	MKTG 402	E Marketing	GED 101, MKTG201	3

Industrial Management Concentration… 6 Courses (18 Credit Hours)

S. No	Course Code	Course Title	Pre-requisite	Cr
1	INM 307	Quantitative Business Analysis	STAT 201	3
2	INM 308	Operations Research	INM 307	3
3	INM 400	Production Planning and Control	MGMT 307	3
4	INM 401	Quality Management	INM 400	3

5	INM 410	Logistics and Supply Chain Management	INM 400	3
6	INT 406	Internship	90 Credit Hours	3

Industrial Management Electives ... 2 course (6 Credit Hours)

Electives consist of two courses to be chosen from the following.

S. No	Course Code	Course Title	Pre-requisite	Cr
1	INM 403	Decision making Science	Last semester	3
2	INM 404	Risk Management	Last semester	3
3	INM 405	Enterprise Resource Planning	Last semester	3

BACHELOR OF INFORMATION TECHNOLOGY (BIT)

BIT Program Structure

Bachelor's Degree in Information Technology (123 Credit Hours)

The BIT program requires a total of 123 credit hours for graduation. This includes 3 credit hours for 6 weeks of company training (internship) after the completion of 90 credit hours. In addition, in the final semester of the program, students work on a capstone project (Graduation Project) involving design, implementation, testing, and evaluation of a computer based software or hardware system. The remaining credit hours of course work are distributed over 8 full semesters. Accordingly, a student can complete all the requirements for graduation in a period of four years. Summary of the BIT program structure is shown as following:

1. General Education (24 Cr. Hrs.)
2. Core Courses (51 Cr. Hrs.)
3. Advanced Core Courses (45 Cr. Hrs.)
4. Internship (3 Cr. Hrs.)

Total = 123 Cr. Hrs.

In accordance with Association for Computing Machinery (ACM2008), BIT students are required to take courses in general education, humanities and social requirements to ensure that they are provided with many necessary skills beyond the technical ones found in the IT body of knowledge. The curriculum of the IT program comprises general education that support the broad education of IT students as shown in Table I.

Two approaches has been recommended by ACM2008 for presenting the core courses; pillars-first approach and integration-first approach. ACM2008 indicates that the pillars-first approach has the advantage of being a better approach for articulation with two-year programs. Based on CC needs for

allowing students to come in from a 2-year program, pillars-first approach is used to present the core and advanced core courses as shown in Tables II and III.

In Table I, Course ID beginning with 'BIT' represents a course offered by school of Information Technology. Any other alphabetical combination at the start of the course ID represents general education courses and they are offered by school of Business Administration. General education course syllabi are located in Appendix B in this document.

Table V General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	GED 101	Computer Applications	3	None
2.	GED 108	Introduction to Arts	3	None
3.	GED 109	Critical Thinking	3	GED 102
4.	GED 104	Islamic Culture	3	None
5.	GED 105	Environmental Studies	3	None
6.	GED 107	UAE Society& Culture	3	None
7.	GED 102	English Writing Skills	3	None
8.	GED 110	Innovations and Entrepreneurship	3	45 Cr. Hr
Total number of hours for General Education			**24 Cr Hrs**	

Table VI Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH 103	Discrete Mathematics	3	None
2.	ITG 211	Management Information Systems	3	GED101
3.	ITG 105	Introduction to Computer Science	3	None
4.	ITG 101	Fundamentals of Web Technologies	3	GED101
5.	ITG 202	Fundamentals of Networking	3	ITG105
6.	ITG 203	Computer Programming Fundamentals	3	ITG105
7.	ITG 204	Fundamentals of Database	3	GED 101
8.	ITG 205	Computer Architecture and Organization	3	ITG105
9.	ITG 206	Object Oriented Programming	3	ITG203
10.	ITG 208	Operating System	3	ITG203
11.	ITG 209	Software Engineering	3	ITG105
12.	ITG 210	Database Programming	3	ITG 204
13.	ITG 302	Human Computer Interaction	3	ITG101
14.	ITG 304	Information Assurance and Security	3	ITG203
15.	ITG 402	Integrative Programming and Technologies	3	ITG 204
17.	RESM202	Research Methodology	3	MTH103
Core Courses			**51 Cr. Hrs**	

Table VII Advanced Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ITG 207	Network Communications and Security	3	ITG202
2.	ITG 301	Web Development	3	ITG101
3.	ITG 303	Cloud Computing	3	ITG 207
4.	ITG 305	Distributed Systems	3	ITG208
5.	ITG 311	System Analysis and Design	3	ITG 209
6.	ITG 307	Mobile Application Development	3	ITG206
7.	ITG 308	Intelligent Systems	3	ITG206
8.	ITG 309	Digital Media	3	GED101
9.	ITG 310	Data Warehousing	3	ITG210
10.	ITG 401	Project Management	3	ITG 209
11.	ITG 403	System Administration and Maintenance	3	ITG208
12.	ITG 404	E-Commerce	3	ITG 301
13.	ITG 405	Knowledge Based Systems	3	ITG308
14.	ITG 406	IT and Society	3	ITG 209
15.	ITG 407	Software Quality Management	3	ITG 209
16.	ITG 408	Graduation Project	3	Completion of 96 credits
Advanced Core Courses			**48 Cr. Hrs**	
17.	ITG409	Internship	3	Completion of 90 Credits

Table VIII Bachelor of Information Technology-Cloud Computing Concentration Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ITG 303	Cloud Computing	3	ITG 207
2.	ITCC 321	Cloud Virtualization	3	ITG 303
3.	ITCC 322	Cloud Computing Security	3	ITG 303
4.	ITCC 411	Network Virtualization Administration	3	ITCC 321
5.	ITCC 421	Special Topics in Cloud Computing	3	ITCC 411
Cloud Computing Courses			**15 Cr. Hrs**	

Table IX Bachelor of Information Technology-Mobile Application Development Concentration Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ITG 307	Mobile Application Development	3	ITG206
2.	ITMD 312	Mobile Security	3	ITG 206
3.	ITMD 323	Advanced Mobile Apps Android	3	ITMD 312
4.	ITMD 412	Advanced Mobile Apps iOS	3	ITG 307

5.	ITMD 422	Special Topics in Mobile Application Development	3	ITMD 412
Mobile Application Development Courses			**15 Cr. Hrs**	

Table X Bachelor of Information Technology-Multimedia and Game Development Concentration Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ITG 309	Digital Media	3	GED 101
2.	ITMG 313	Computer Graphics	3	ITG 206
3.	ITMG 324	3D Modeling and Animation	3	ITMG 313
4.	ITMG 413	Game Development	3	ITMG 324
5.	ITMG 423	Special Topics in Multimedia and Game Development	3	ITMG 413
Multimedia and Game Development Courses			**15 Cr. Hrs**	

BACHELOR OF MASS COMMUNICATION (BMC)

BMC Program Structure

بعد التعديل	متطلب	
30	متطلبات جامعية	
42	متطلبات معارف متداخلة	
24	إجبارية	متطلبات البرنامج
06	اختيارية	
27	متطلبات التخصص	
129	**المجموع**	

متطلبات جامعية (30 ساعة معتمدة)

رمز المساق	اسم المساق	س.م.	متطلب سابق
متطلبات إجبارية (27 ساعة)			
GED 101	تطبيقات الحاسوب	3	لا يوجد
GED 102	English Writing Skills	3	لا يوجد

GED 103	Advanced English Writing Skills	3	GED 102
GED 104	ثقافة إسلامية	3	لا يوجد
GED 105	دراسات بيئية	3	لا يوجد
GED 107	مجتمع وثقافة الإمارات	3	لا يوجد
GED 151	كتابة احترافية بالعربية	3	لا يوجد
GED 109	تفكير نقدي	3	لا يوجد
GED 110	Innovation and Entrepreneurship	3	45 Credit Hours
مساقات اختيارية (3 ساعات)			
GED 152	الكيمياء في حياتنا	3	لا يوجد
GED 153	علم الفلك	3	لا يوجد
GED 154	مصادر الطاقة	3	لا يوجد
المجموع		**30**	

متطلبات معارف متداخلة (42 ساعة)

رمز المساق	اسم المساق	س.م.	متطلب سابق
ECO 110	مبادئ الاقتصاد	3	لا يوجد
SOC 115	مدخل إلى علم الاجتماع	3	لا يوجد
MGM 130	مبادئ الإدارة	3	لا يوجد
HIS 223	التاريخ العربي المعاصر	3	GED 107
COM 228	الرأي العام	3	لا يوجد
LIT 229	الادب العربي الحديث	3	GED 109
COM 220	الترجمة الإعلامية	3	GED 102
POL 331	العلاقات الدولية	3	لا يوجد
GEO 333	الجغرافيا السياسية	3	لا يوجد
COM 402	الاعلان وسلوك المستهلك	3	COM 101
COM 401	اللغة العربية والإعلام	3	GED 151
SOC 409	علم النفس الاجتماعي	3	SOC 115

COM 235	تطبيقات إحصائية في الاعلام	3	GED 101
MMD 424	الوسائط المتعددة	3	GED 101
المجموع		**42**	

متطلبات البرنامج

رمز المساق	اسم المساق	س.م.	المتطلب السابق
متطلبات إجبارية (24 ساعة)			
COM 100	مدخل إلى العلاقات العامة	3	لا يوجد
COM 101	مدخل إلى الإعلان	3	لا يوجد
COM 102	مدخل إلى الإعلام الرقمي	3	لا يوجد
COM 215	وسائل الإعلام في دولة الإمارات	3	لا يوجد
COM 230	التصوير الرقمي	3	لا يوجد
COM 320	الاتصال الدولي	3	لا يوجد
COM 410	قوانين وأخلاقيات الإعلام	3	COM 215
COM 420	مناهج بحوث الإعلام	3	COM 235
متطلبات اختيارية (6 ساعات)			
COM 225	التسويق الاجتماعي	3	COM 100
COM 270	الاتصالات الاستراتيجية	3	COM 100
COM 330	الاتصال عبر الثقافات	3	COM 320
COM 425	فن الإقناع	3	لا يوجد
COM 430	الإعلام العربي	3	COM 320
المجموع		**30**	

متطلبات تخصص العلاقات العامة (27 ساعة معتمدة)

رمز المساق	اسم المساق	س.م.	المتطلب السابق
PRL 234	الكتابة للعلاقات العامة	2-2	COM 100
PRL 331	إدارة العلاقات العامة	3	COM 100
PRL 335	العلاقات العامة الدولية	3	COM 100
PRL 336	Public Relations Cases	3	PRL 234
PRL 340	Online Public Relations	2-2	PRL 234
PRL 414	الاتصال التنظيمي	3	PRL 331
PRL 424	حملات العلاقات العامة	2-2	PRL 331
PRL 430	تدريب ميداني	3	ساعة90دراسة
PRL 435	مشروع تخرج	3	الفصل النهائي
	المجموع	**27**	

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSE CPE)

BSC CPE Program Structure

The CPE program requires a total of 140 credit hours for graduation. This includes 3 credit hours for 8 weeks of company training (internship) at the end of the 8th Semester. In addition, in the final Year of the program, students work on a capstone project (Graduation Project I and II) involving design, implementation, testing, and evaluation of a computer based software or hardware system. The remaining credit hours of course work are distributed over 8 full semesters. Accordingly, a student can complete all the requirements for graduation in a period of four years.

Four approaches have been recommended in curriculum guidelines for Graduate degree programs in computer engineering (ACM/IEEE CE2004 - Computer Engineering 2004) for presenting the computer engineering program. Therefore, Curriculum model 'A' has been selected to serve as a guide to identify the design of computer engineering curricula introduced in this report. The curriculum utilizes a relatively traditional course structure and content. It requires 41 courses, with credit hours distributed as follows:

1. General Education (Humanities & Social Science) (18 Cr. Hrs.)
2. Mathematics and Statistics (21 Cr. Hrs.)
3. Basic Science (Physics & Chemistry) (11 Cr. Hrs.)
4. Computer Engineering Courses (33 Cr. Hrs.)
5. Electrical Engineering Courses (33 Cr. Hrs.)
6. Internship (3 Cr. Hrs.)
7. Technical Electives (9 Cr. Hrs.)
8. Specialization Requirements (7 Cr. Hrs.)
9. Graduation Projects (5 Cr. Hrs.)

Total = 140 Cr. Hrs.

In accordance with (ACM/IEEE) Computer Engineering curricula 'implementation A', courses have been designed to provide coverage of the core topics of the CPE BOK. Thus, the proposed Curricula in this report provides a broad foundation in the basic sciences, mathematics and statistics, computer Engineering CE, electrical engineering EE and other aspects of a general education. In particular, courses that cover the traditional EE topics in the CPE BOK core have been designed to cover the core material without going significantly beyond these topics. In contrast, a number of the computer science courses do go beyond the core material. A summary of the body of knowledge including Mathematics and Science courses, basic science courses, computer science courses, electrical engineering courses are shown in Tables II, III, IV, V, VI and VII respectively.

Students are required to take courses in general education, humanities and social requirements to ensure that they are provided with many necessary skills beyond the technical ones found in the body of knowledge. The curriculum of the CPE program comprises general education that support the broad education of CPE students as shown in Table I. General education courses are offered by the Department of General Education.

Table XI General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	GED 101	Computer Applications	3	None
2.	GED 108	Introduction to Arts	3	None
3.	GED 104	Islamic Culture	3	None
4.	GED 105	Environmental Studies	3	None
5.	GED 107	UAE Society and Culture	3	None
6.	GED 102	English Writing Skills	3	None
7.	GED 110	Innovation and Entrepreneurship	3	45 Credit Hours
Students will take six of the above general education courses, where GED101, GED110 and GED102 must be included.				

Table XII Mathematics and Statistics

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH101	Calculus I	4	None
2.	MTH102	Calculus II	4	MTH101
3.	MTH103	Discrete Math	3	None
4.	MTH201	Differential Equations	4	MATH102
5.	MTH202	Linear Algebra	3	MTH201
6.	MTH301	Probability & Statistics	3	MTH103
Total			**21 Cr. Hrs**	

Table XIII Basic Science

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	PHY101	Physics I	4	None
2.	PHY102	Physics II	4	None
3.	CHM101	Chemistry for Engineering	3	None
Total			**11 Cr. Hrs**	

Table XIV Computer Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	CPE201	Computer Programming Fundamentals	4	MTH103
2.	CPE202	Fundamentals of Networking	4	CPE201,ELE202
3.	CPE203	Data Structure	3	CPE 201
4.	CPE301	Network Communications and Security	4	CPE202
5.	CPE302	Operating System	3	CPE203
6.	CPE303	Computer Architecture and Organization	3	ELE202
7.	CPE402	Embedded Systems	4	ELE303
8.	CPE404	Computer Hardware Design	4	CPE303
9.	CPE405	I/O Interfacing	4	ELE304
CS Core Courses			**33 Cr. Hrs**	

Table XV Electrical Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ELE201	Circuit I	4	MTH102
2.	ELE202	Digital Logic	4	ENG101,MTH103
3.	ELE203	Engineering Programming and analysis	4	CPE201
4.	ELE301	Electronic Circuits	4	ELE201
5.	ELE302	Signal and Systems	3	ELE201,ELE203
6.	ELE303	Introduction to Microprocessors	4	ELE202
7.	ELE304	Digital Signal Processing	3	ELE302,MTH301*
8.	ELE401	Digital Image Processing and Applications	3	ELE304
9.	ELE402	Computer systems Instrumentation & Control	4	ELE304
ELE Core Courses			**33 Cr. Hrs**	

Table XVI Technical Electives

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME405	Telecommunication Systems	3	ELE304

2.	CME406	Radar Systems	3	ELE304
3.	CME407	Special Topics In communication	3	ELE304
4.	CPE406	Web Engineering Design	3	CPE301
5.	ITG303	Cloud Computing	3	CPE301
6.	ITG308	Intelligent Systems	3	CPE201
7.	ITG309	Digital Media	3	CPE 301
8.	ITG406	IT and Society	3	RESM202
9.	ELE403	Robotics and Simulation	3	ELE402
10.	ELE404	VLSI Design and Fabrication	3	ELE301
11.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
12.	SGE301	Advanced Electronic Circuits	3	ELE301
Technical Elective Courses (3 courses required for CPE students)				

CPE Students can register electives from CME subject to School Approval. Technical Elective courses will have one hour tutorial session for practical work.

Upon students request and school approval, CME 301 Communication systems and CME402 Digital Communications, which are currently listed as required technical courses for CME, can be available to CPE as technical electives. It must be noted that these are 4 Credit hours courses and CPE students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from Core CME program to CPE students				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME301	Communication Systems	4	ELE302
2.	CME402	Digital Communications	4	ELE302

Table XVII Specialization Requirement Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1	ENG101	Introduction to Engineering	2	None
2.	ECN201	Engineering Economy	2	None
3.	RESM 202	Research Methodology	3	Advisor's Approval
Specialization Requirement Courses			**7 Cr. Hrs**	

Cyber Security Concentration Program Structure

Program Structure: Bachelor of Science in Computer Engineering with Cyber Security Concentration

Adding new concentration Cyber security degree, in addition to general computer engineering degree, expands the program. The concentration based on IEEE standards, ISO/IEC 27001:2013 standards, NESA standards, and NQF standards.

The student can select either to obtain a general degree in computer engineering or computer engineering with concentration in cyber security. Both follow the same program structure, which requires a total 140 credit hours for graduation (study plan in Appendix B).

The Computer Engineering with Cyber Security Concentration requires a total of 140credit hours for graduation same as computer engineering general see figure 1. Five courses (not core courses) were replaced with sixteen credit hours of specialized cyber security courses (Courses Syllabi Appendix A) table I, and II show the cyber security and replaced courses respectively. It requires 41 courses, with credit hours distributed as follows:

General Education (Humanities & Social Science)	18 Credit Hours
Mathematics and Statistics	21 Credit Hours
Basic Science (Physics & Chemistry	11 Credit Hours
Computer Engineering Courses	33 Credit Hours
Electrical Engineering Courses	26 Credit Hours
Cyber Security Courses	16 Credit Hours
Internship	03 Credit Hours
Specialization Requirements	07 Credit Hours
Graduation Projects	05 Credit Hours
Total	**140 Credit Hours**

A summary of the body of knowledge including Mathematics and Science courses, basic science courses, computer science courses, electrical engineering courses are shown in Tables I, II, III,IV, V, VI and VII respectively.

Course Code identification System

The course code Identification system used in the presented study plan is explained below. The course code for courses offered is a six-digit code (xxx xxx). Starting from left, the first three digits indicate the course type of study in the program as follows:

1. **General Education (Humanities & Social Science):**
   3 letters from the course name-Course Level - Course Number
2. **Mathematics and Statistics:**
   MTH-Course Level - Course Number
3. **Basic Science (Physics & Chemistry):**
   3 letters from the course name-Course Level - Course Number
4. **Computer Engineering Courses:**
   CPE-Course Level - Course Number
5. **Communication Engineering Courses:**
   CME-Course Level - Course Number
6. **Electrical Engineering Courses:**
   ELE-Course Level - Course Number
7. **Specialization Requirements Courses:**
   3 letters from the course name-Course Level - Course Number

Table XVIII General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	GED101	Computer Applications	3	None
2.	GED108	Introduction to Arts	3	None
3.	GED104	Islamic Culture	3	None
4.	GED105	Environmental Studies	3	None
5.	GED107	UAE Society and Culture	3	None
6.	GED102	English Writing Skills	3	None
7.	GED 110	Innovation and Entrepreneurship	3	45 Credit Hours
Students will take six of the above general education courses, where GED101, GED110 and GED102 are compulsory				

Table XIX Mathematics and Statistics

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH101	Calculus I	4	None
2.	MTH102	Calculus II	4	MTH101
3.	MTH103	Discrete Math	3	None
4.	MTH201	Differential Equations	4	MATH102
5.	MTH202	Linear Algebra	3	MTH201
6.	MTH301	Probability& Statistics	3	MTH103
Total			**21 Cr. Hrs**	

Table III Basic Science

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	PHY101	Physics I	4	None
2.	PHY102	Physics II	4	None
3.	CHM101	Chemistry for Engineering	3	None
Total			**11 Cr. Hrs**	

Table IV Computer Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	CPE201	Computer Programming Fundamentals	4	MTH103
2.	CPE202	Fundamentals of Networking	4	CPE201,ELE202
3.	CPE203	Data Structure	3	CPE 201
4.	CPE301	Network Communications and Security	4	CPE202
5.	CPE302	Operating System	3	CPE203
6.	CPE303	Computer Architecture and Organization	3	ELE202
7.	CPE402	Embedded Systems	4	ELE303
8.	CPE404	Computer Hardware Design	4	CPE303
9.	CPE405	I/O Interfacing	4	ELE304
CS Core Courses			**33 Cr. Hrs**	

Table V Electrical Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	CO/Prerequisite(s)
1.	ELE201	Circuit I	4	MTH102
2.	ELE202	Digital Logic	4	ENG101,MTH103
3.	ELE203	Engineering Programming and analysis	4	CPE201
4.	ELE301	Electronic Circuits	4	ELE201
5.	ELE302	Signal and Systems	3	ELE201,ELE203
6.	ELE303	Introduction to Microprocessors	4	ELE202
7.	ELE304	Digital Signal Processing	3	ELE302,MTH301*
ELE Core Courses			**26 Cr. Hrs**	

*co-requisite

Table VI Cyber Security Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	CSE406	Cryptography	4	CPE203, MTH103
2.	CSE407	Wireless and Mobile Networks	3	CPE301,ELE304, MTH301
3.	CSE408	Digital Forensics	3	CPE301
4.	CSE409	Ethical Hacking	3	CSE406, CPE407
5.	CSE410	Special Topics in Cyber Security	3	Advisor's Approval
Cyber Security Core Courses			**16 Cr. Hrs**	

Table XXII Specialization Requirement Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1	ENG101	Introduction to Engineering	2	None
2.	ECN201	Engineering Economy	2	None
3	RESM 202	Research methodology	3	Advisor's Approval
Specialization Requirement Courses			**7 Cr. Hrs**	

Detailed Structure of the Computer Engineering Study Plan

The abbreviations Lec., Lab., and Tut. used in the following tables indicate Lecture, Laboratory, and Tutorial, respectively. Two hours of laboratory work account for 1 credit hour. In accordance with (ACM/IEEE) Engineering curricula the contact hours for tutorials (Recitation) do no account for any credit hours.

FIRST YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
CHM101	Chemistry for Engineering	**3**	3	--	--	None
MTH101	Calculus I	**4**	4	--	1	None
PHY101	Physics I	**4**	3	2	--	MTH101*
CPE101	Computer Applications	**3**	2	2	--	None
GED102	English Writing Skills	**3**	3	--	--	None
		17	14	4	1	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH103	Discrete Math	**3**	3	--	1	None
MTH102	Calculus II	**4**	4	--	1	MTH101
PHY102	Physics II	**4**	3	2	--	PHY101, MTH102*
ENG101	Introduction to Engineering	**2**	2	--	--	None
xxx-xxx	General Education Course	**3**	3	--	--	None
		16	14	2	2	

SECOND YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH201	Differential Equations	**4**	4	--	1	MTH102
ELE201	Circuit I	**4**	3	2	1	MTH102
CPE201	Computer Programming Fundamentals	**4**	3	2	--	MTH103
ELE202	Digital Logic Circuits	**4**	3	2	--	ENG101 MTH103
ECN201	Engineering Economy	**2**	2	--	--	None
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH202	Linear Algebra	**3**	3	--	1	MTH201

ELE203	Engineering Programming and analysis	**4**	3	2	--	CPE201
CPE202	Fundamentals of Networking	**4**	3	2	--	CPE201,ELE202
CPE203	Data Structure	**3**	3	--	--	CPE201
xxx-xxx	General Education Course	**3**	3	--	--	None
		17	15	4	1	

THIRD YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE301	Electronic Circuits	**4**	3	2	1	ELE201
ELE302	Signal and Systems	**3**	3	--	1	ELE202, ELE203
CPE301	Network Communications and Security	**4**	3	2	--	CPE202
ELE303	Introduction to Microprocessors	**4**	3	2	--	ELE202
xxx-xxx	General Education Course	**3**	3	--		None
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
MTH301	Probability and Statistics	**3**	3	--	1	MTH103
ELE304	Digital Signal Processing	**3**	3	--	1	ELE302,MTH301*
CPE302	Operating System	**3**	3	--	1	CPE203
CPE303	Computer Architecture and Organization	**3**	3	--	1	ELE202
GED 110	Innovation and Entrepreneurship	**3**	3	--	--	45 Credit Hours
RESM202	Research Methodology	**3**	3	--	--	Advisor's Approval
		18	15	--	4	

FINAL YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG401	Engineering Design Project I	**2**	1	2	--	Advisor's Approval
ELE402	Computer systems Instrumentation & Control	**4**	3	2	--	ELE304

ELE401	Digital Image Processing and Applications	**3**	3	--	1	ELE304
CPE402	Embedded Systems	**4**	3	2	--	ELE303
xxx-xxx	Technical Elective I	**3**	3	--	--	Advisor's Approval
		16	11	8	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG402	Engineering Design Project II	**3**	1	4	--	Advisor's Approval
CPE404	Computer Hardware Design	**4**	3	2	--	CPE303
CPE405	I/O Interfacing	**4**	3	2	--	ELE304
xxx-xxx	Technical Elective II	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective III	**3**	3	--	--	Advisor's Approval
		17	13	8	--	

Summer Semester

Course Code	Course Title	Credit Hrs.	Prerequisite
ENG400	Internship (Training 8 weeks)	**3**	Advisor's Approval

Technical Electives for CPE Students

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME405	Telecommunication Systems	3	ELE304
2.	CME406	Radar Systems	3	ELE304
3.	CME407	Special Topics In communication	3	ELE304
4.	CPE406	Web Engineering Design	3	CPE301
5.	ITG303	Cloud Computing	3	CPE301
6.	ITG308	Intelligent Systems	3	CPE201
7.	ITG309	Digital Media	3	CPE 301
8.	ITG406	IT and Society	3	RESM202
9.	ELE403	Robotics and Simulation	3	ELE402
10.	ELE404	VLSI Design and Fabrication	3	ELE301
11.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
12.	SGE301	Advanced Electronic Circuits	3	ELE301
Technical Elective Courses (3 courses required for CPE students)				

CPE Students can register electives from CME subject to School Approval. Technical Elective courses will have one hour tutorial session for practical work.

Upon students request and school approval, CME 301 Communication systems and CME402 Digital Communications, which are currently listed as required technical courses for CME, can be available to CPE as technical electives. It must be noted that these are 4 Credit hours courses and CPE students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from Core CME program to CPE students				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME301	Communication Systems	4	ELE302
2.	CME402	Digital Communications	4	ELE302

BACHELOR OF SCIENCE IN COMMUNICATION ENGINEERING (BSE CME)

BSC CME Program Structure

The CME program requires a total of 140 credit hours for graduation. This includes 3 credit hours for 8 weeks of company training (internship) at the end of the 8th Semester. In addition, in the final Year of the program, students work on a capstone project (Graduation Project I and II). The remaining credit hours of course work are distributed over 8 full semesters. Accordingly, a student can complete all the requirements for graduation in a period of four years. The curriculum utilizes a relatively traditional course structure and content. It requires 41 courses, with credit hours distributed as follows:

1. General Education (Humanities & Social Science) (18 Cr. Hrs.)
2. Mathematics and Statistics (21 Cr. Hrs.)
3. Basic Science (Physics & Chemistry) (11 Cr. Hrs.)
4. Computer Engineering Courses CE (12 Cr. Hrs.)
5. Electrical Engineering Courses EE (34 Cr. Hrs.)
6. Communication Engineering Courses (14 Cr. Hrs.)
7. Internship (3 Cr. Hrs.)
8. Technical Electives (15 Cr. Hrs.)
9. Specialization Requirements (7 Cr. Hrs.)
10. Graduation Projects (5 Cr. Hrs.)

Total 140 Cr. Hrs.

The curriculum of the CME program comprises general education that support the broad education of engineering students as shown in Table I. A summary of the body of knowledge including Mathematics and Science courses, basic science courses, computer science courses, electrical engineering courses, communication engineering and electives are shown in Tables II, III, IV and V respectively.

Table XXI General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	CPE 101	Computer Applications	3	None
2.	GED 108	Introduction to Arts	3	None
3.	GED 104	Islamic Culture	3	None
4.	GED 105	Environmental Studies	3	None
5.	GED 107	UAE Society and Culture	3	None
6.	GED 102	English Writing Skills	3	None
7.	GED 110	Innovation and Entrepreneurship	3	45 Credit Hours
Students will take six of the above general education courses, where CPE101, GED110 and GED102 must be included.				

Table XXII Mathematics and Statistics

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH101	Calculus I	4	None
2.	MTH102	Calculus II	4	MTH101
3.	MTH103	Discrete Mathematics	3	None
4.	MTH201	Differential Equations	4	MATH102
5.	MTH202	Linear Algebra	3	MTH201
6.	MTH301	Probability & Statistics	3	MTH103
Total			**21 Cr. Hrs**	

Table XXIII Basic Science

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	PHY101	Physics I	4	None
2.	PHY102	Physics II	4	None
3.	CHM101	Chemistry for Engineering	3	None
Total			**11 Cr. Hrs**	

Table XXIV Computer Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	CPE201	Computer Programming Fundamentals	4	MTH103
2.	CPE202	Fundamentals of Networking	4	CPE201,ELE202
3.	CPE301	Network Communications and Security	4	CPE202
CS Core Courses			**12 Cr. Hrs**	

Table XXV Electrical Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ELE201	Circuit I	4	MTH102
2.	ELE202	Digital Logic Circuits	4	ENG101,MTH103
3.	ELE203	Engineering Programming and analysis	4	CPE201
4.	ELE204	Circuit II	4	ELE201
5.	ELE301	Electronic Systems	4	ELE201
6.	ELE302	Signal and Systems	3	ELE201,ELE203
7.	ELE303	Introduction to Microprocessors	4	ELE202
8.	ELE304	Digital Signal Processing	3	ELE302,MTH301*
9.	ELE402	Systems Instrumentation & Control	4	ELE304
ELE Core Courses			**34 Cr. Hrs**	

Table XXVI Communication Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	CME301	Communication Systems	4	ELE302
2.	CME302	Electromagnetic Fields and Wave Propagation	3	PHY102
3.	CME402	Digital Communications	4	CME301
4.	CME404	Wireless Communications	3	CME402
ELE Core Courses			**14 Cr. Hrs**	

Table XXVII Technical Electives

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME405	Telecommunication Systems	3	ELE304
2.	CME406	Radar Systems	3	ELE304
3.	CME407	Special Topics In communication	3	ELE304
4.	CPE406	Web Engineering Design	3	CPE301
5.	ITG303	Cloud Computing	3	CPE301
6.	ITG308	Intelligent Systems	3	CPE201
7.	ITG309	Digital Media	3	CPE 301
8.	ITG406	IT and Society	3	RESM202
9.	ELE401	Digital Image Processing and Applications	3	ELE304
10.	ELE403	Robotics and Simulation	3	ELE402
11.	ELE404	VLSI Design and Fabrication	3	ELE301
12.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
13.	SGE301	Advanced Electronic Circuits	3	ELE301
Technical Elective Courses (5 courses required for CME students)				

CME Students can register electives from CPE subject to School Approval. Technical Elective courses will have one hour tutorial session for practical work. Upon students request and school approval, CPE405 I/O Interfacing and CPE402 Embedded systems, which are currently listed as required technical courses for CPE, can be available to CME as technical electives. It must be noted that these are 4 Credit hours courses and CME students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from Core CPE program to CME students				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CPE402	Embedded Systems	4	ELE303
2.	CPE405	I/O Interfacing	4	ELE304

Table XXVIII Specialization Requirement Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ENG101	Introduction to Engineering	2	None
2.	ECN201	Engineering Economy	2	None

3.	RESM 202	Research Methodology	3	Advisor's Approval
Specialization Requirement Courses			**7 Cr. Hrs**	

Detailed Structure of the Communication Engineering Study Plan

FIRST YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
CHM101	Chemistry for Engineering	**3**	3	--	--	None
MTH101	Calculus I	**4**	4	--	1	None
PHY101	Physics I	**4**	3	2	--	MTH101*
CPE101	Computer Applications	**3**	2	2	--	None
GED102	English Writing Skills	**3**	3	--	--	None
		17	14	4	1	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH103	Discrete Math	**3**	3	--	1	None
MTH102	Calculus II	**4**	4	--	1	MTH101
PHY102	Physics II	**4**	3	2	--	PHY101, MTH102*
ENG101	Introduction to Engineering	**2**	2	--	--	None
xxx-xxx	General Education Course	**3**	3	--	--	None
		16	14	2	2	

SECOND YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH201	Differential Equations	**4**	4	--	1	MTH102
ELE201	Circuit I	**4**	3	2	1	MTH102
CPE201	Computer Programming Fundamentals	**4**	3	2	--	MTH103
ELE202	Digital Logic Circuits	**4**	3	2	--	ENG101,MTH103
ECN201	Engineering Economy	**2**	2	--	--	None

	18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH202	Linear Algebra	**3**	3	--	1	MTH201
ELE202	Engineering Programming and analysis	**4**	3	2	--	CPE201
CPE202	Fundamentals of Networking	**4**	3	2	--	CPE201,ELE202
ELE204	Circuit II	**4**	3	2	1	ELE201
xxx-xxx	General Education Course	**3**	3	--	--	None
		18	15	6	2	

THIRD YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ELE301	Electronic Circuits	**4**	3	2	1	ELE201
ELE302	Signal and Systems	**3**	3	--	1	ELE202
CPE301	Network Communications and Security	**4**	3	2	--	CPE202
ELE303	Introduction to Microprocessors	**4**	3	2	--	ELE202
xxx-xxx	General Education Course	**3**	3	--	--	None
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
MTH301	Probability and Statistics	**3**	3	--	1	MTH103
ELE304	Digital Signal Processing	**3**	3	--	1	ELE302,MTH301*
CME301	Communication Systems	**4**	3	2	--	ELE302
CME302	Electromagnetic Fields and Wave Propagation	**3**	3	--	1	PHY102
GED 110	Innovation and Entrepreneurship	**3**	3	--	--	45 Credit Hours
RESM202	Research Methodology	**3**	3	--	--	Advisor's Approval
		17	15	2	3	

FINAL YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG401	Engineering Design Project I	**2**	1	2	--	Advisor's Approval
ELE402	Computer systems Instrumentation & Control	**4**	3	2	--	ELE304
CME402	Digital Communications	**4**	3	2	--	CME301
xxx-xxx	Technical Elective I	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective II	**3**	3	--	--	Advisor's Approval
		15	13	6	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG402	Engineering Design Project II	**3**	1	4	--	Advisor's Approval
CME404	Wireless Communications	**3**	3	--	1	CME402
xxx-xxx	Technical Elective III	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective IV	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective V	**3**	3	--	--	Advisor's Approval
		15	13	4	1	

Summer Semester

Course Code	Course Title	Credit Hrs.	Prerequisite
ENG400	Internship (Training 8 weeks)	**3**	Advisor's Approval

Technical Electives for CME Students

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME405	Telecommunication Systems	3	ELE304

2.	CME406	Radar Systems	3	ELE304
3.	CME407	Special Topics In communication	3	ELE304
4.	CPE406	Web Engineering Design	3	CPE301
5.	ITG303	Cloud Computing	3	CPE301
6.	ITG308	Intelligent Systems	3	CPE201
7.	ITG309	Digital Media	3	CPE 301
8.	ITG406	IT and Society	3	RESM202
9.	ELE401	Digital Image Processing and Applications	3	ELE304
10.	ELE403	Robotics and Simulation	3	ELE402
11.	ELE404	VLSI Design and Fabrication	3	ELE301
12.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
13.	SGE301	Advanced Electronic Circuits	3	ELE301
Technical Elective Courses (5 courses required for CME students)				

CME Students can register electives from CPE subject to School Approval. Technical Elective courses will have one hour tutorial session for practical work.

Upon students request and school approval, CPE405 I/O Interfacing and CPE402 Embedded systems, which are currently listed as required technical courses for CPE, can be available to CME as technical electives. It must be noted that these are 4 Credit hours courses and CME students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from Core CPE program to CME students				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CPE402	Embedded Systems	4	ELE303
2.	CPE405	I/O Interfacing	4	ELE3034

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSE EE)

BSC EE Program Structure

Bachelor of Science in Electrical Engineering – Automatic Control Systems (ACE)

The ACE program requires a total of 140 credit hours for graduation. This includes 3 credit hours for 8 weeks of company training (internship) at the end of the 8th Semester. In addition, in the final Year of the program, students work on a capstone project (Graduation Project I and II). The remaining credit hours of course work are distributed over 8 full semesters. Accordingly, a student can complete all the requirements for graduation in a period of four years. The curriculum utilizes a relatively traditional course structure and content. It requires 43 courses, with credit hours distributed as follows:

11. General Education (Humanities & Social Science) (18 Cr. Hrs.) (7 Courses)
12. Mathematics and Statistics (21 Cr. Hrs.) (6 courses)
13. Basic Science (Physics & Chemistry) (11 Cr. Hrs.) (3 Courses)
14. Electrical Engineering Courses -Common (45 Cr. Hrs.) (12 Courses)
15. Automatic Control Courses (26 Cr. Hrs.) (8 Courses)
16. Internship (3 Cr. Hrs.) (1 Course)
17. Technical Electives (9 Cr. Hrs.) (3 Courses)
18. Specialization Requirements (7 Cr. Hrs.) (3 Courses)

Total = 140 Cr. Hrs.

The curriculum of the ACE program comprises general education that support the broad education of Engineering students as shown in Table I. A summary of the body of knowledge including Mathematics and Science courses, basic science courses, computer science courses, electrical engineering courses, communication engineering and electives are shown in Tables II, III, IV and V respectively.

Table XXIX General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	GED101	Computer Applications	3	None
2.	GED108	Introduction to Arts	3	None
3.	GED104	Islamic Culture	3	None
4.	GED105	Environmental Studies	3	None
5.	GED107	UAE Society and Culture	3	None
6.	GED102	English Writing Skills	3	None
7.	GED 110	Innovation and Entrepreneurship	3	Advisor's Approval
Students will take six of the above general education courses, where GED101, GED110 and GED102 are compulsory				

Table XXX Mathematics and Statistics

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH101	Calculus I	4	None
2.	MTH102	Calculus II	4	MTH101
3.	MTH103	Discrete Mathematics	3	None
4.	MTH201	Differential Equations	4	MATH102
5.	MTH202	Linear Algebra	3	MTH201
6.	MTH301	Probability & Statistics	3	MTH103
Total			**21 Cr. Hrs**	

Table XXXI Basic Science

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	PHY101	Physics I	4	None
2.	PHY102	Physics II	4	None
3.	CHM101	Chemistry for Engineering	3	None
Total			**11 Cr. Hrs**	

Table XXXII Electrical Engineering Core Courses -Common Core

SN	Course ID	Course Title	Credit Hours	CO/Pre-Requisite
1.	CPE201	Computer Programming Fundamentals	4	MTH103
2.	ELE201	Circuit I	4	MTH102
3.	ELE202	Digital Logic Circuits	4	ENG101,MTH103
4.	ELE203	Engineering Programming and analysis	4	CPE201
5.	ELE204	Circuit II	4	ELE201
6.	ELE301	Electronic Systems	4	ELE201
7.	ELE302	Signal and Systems	3	ELE201,ELE203
8.	ELE305	Control Systems	4	ELE204,ELE302*
9.	ELE303	Introduction to Microprocessors	4	ELE202
10.	ELE306	Electrical Machines, Drives and Power Systems	3	ELE204
11.	CME301	Communication Systems	4	ELE302
12.	CME302	Electromagnetic Fields and Wave Propagation	3	PHY102
Total			**45 Cr. Hrs**	

The * signifies co-requisite

Table XXXIII Automatic Control Systems Concentration Courses

SN	Course ID	Course Title	Credit Hours	CO/Pre-Requisite
1.	ACE301	Instrumentation and Measurements	4	ELE204,ELE302*
2.	ENG401	Engineering Design Project I	2	ELE302
3.	ACE402	Automatic Control Systems	4	ELE302
4.	ACE403	Digital Control Systems	4	ICE301
5.	ACE404	Robotics and Simulation	3	ICE302
6.	ENG402	Engineering Design Project II	3	ENG401
7.	ACE406	Power System Protection and Control	3	ELE305
8.	ACE407	Industrial Control Systems	3	ACE403
ACE Concentration Courses			**26 Cr. Hrs**	

The * signifies co-requisite

Table XXXIV Technical Electives

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Co/Prerequisite(s)**
1.	CME404	Wireless Communications	3	CME402
2.	CME405	Applied Telecommunication Systems	3	ELE304
3.	CME406	Radar Systems	3	ELE304
4.	CPE406	Web Engineering Design	3	CPE301
5.	ITG303	Cloud Computing	3	CPE301
6.	ITG308	Intelligent Systems	3	CPE201
7.	ITG309	Digital Media	3	CPE 301
8.	ITG406	IT and Society	3	RESM202
9.	ELE304	Digital Signal Processing		ELE302,MTH301*
10.	ELE401	Digital Image Processing and Applications	3	ELE304
11.	ELE404	VLSI Design and Fabrication	3	ELE301
12.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
13.	SGE301	Advanced Electronic Circuits	3	ELE301
14.	ACE406	Selected Topics In Instrumentation and Control	3	ICE303,ICE301
15.	SGE408	Internet of Things	3	ELE402
16.	SGE406	Power Electronics and Smart Power Systems	3	ELE301
17.	SGE407	Energy Conversion and Storage	3	ICE301

The * signifies co-requisite

ACE Students can register electives from other Engineering Disciplines subject to School Approval. Technical Elective courses will have one-hour tutorial session for practical work.

Upon students request and school approval, the following 4 Credit hours courses, can be available to as technical electives. It must be noted that students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from other Engineering Disciplines				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
18	CPE402	Embedded Systems	4	ELE303
19.	CPE405	I/O Interfacing	4	ELE304
20.	CME402	Digital Communications	4	CME301
21.	SGE402	Renewable Energy	4	ELE306
22.	SGE403	Smart Grid Applications and Technologies	4	ELE306
23	SGE404	Digital Systems	4	ELE303

Table XXXV Specialization Requirement Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ENG101	Introduction to Engineering	2	None
2.	ECN201	Engineering Economy	2	None
3.	RESM202	Research Methodology	3	Advisor's Approval

Specialization Requirement Courses	7 Cr. Hrs

Bachelor of Science in Electrical Engineering- Smart Grid Systems

The SGE program requires a total of 140 credit hours for graduation. This includes 3 credit hours for 8 weeks of company training (internship) at the end of the 8th Semester. In addition, in the final Year of the program, students work on a capstone project (Graduation Project I and II). The remaining credit hours of course work are distributed over 8 full semesters. Accordingly, a student can complete all the requirements for graduation in a period of four years. The curriculum utilizes a relatively traditional course structure and content. It requires 43 courses, with credit hours distributed as follows:

1.	General Education (Humanities & Social Science)	(18 Cr. Hrs.)	(7 Courses)
2.	Mathematics and Statistics	(21 Cr. Hrs.)	(6 courses)
3.	Basic Science (Physics & Chemistry)	(11 Cr. Hrs.)	(3 Courses)
4.	Electrical Engineering Courses -Common	(45 Cr. Hrs.)	(12 Courses)
5.	Smart Grid Courses	(26 Cr. Hrs.)	(8 Courses)
6.	Internship	(3 Cr. Hrs.)	(1 Course)
7.	Technical Electives	(9 Cr. Hrs.)	(3 Courses)
8.	Specialization Requirements	(7 Cr. Hrs.)	(3 Courses)

Total = 140 Cr. Hrs.

The curriculum of the SGE program comprises general education that support the broad education of Engineering students as shown in Table I. A summary of the body of knowledge including Mathematics and Science courses, basic science courses, computer science courses, electrical engineering courses, communication engineering and electives are shown in Tables II, III, IV and V respectively.

Table XXXVI General Education Courses

SN	Course ID	Course Title	Credit Hour	Prerequisite
1.	GED101	Computer Applications	3	None
2.	GED108	Introduction to Arts	3	None
3.	GED104	Islamic Culture	3	None
4.	GED105	Environmental Studies	3	None
5.	GED107	UAE Society and Culture	3	None
6.	GED102	English Writing Skills	3	None
7.	GED 110	Innovation and Entrepreneurship	3	Advisor's Approval
Students will take six of the above general education courses, where GED101, GED110 and GED102 are compulsory				

Table XXXVII Mathematics and Statistics

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	MTH101	Calculus I	4	None
2.	MTH102	Calculus II	4	MTH101
3.	MTH103	Discrete Mathematics	3	None

4.	MTH201	Differential Equations	4	MATH102
5.	MTH202	Linear Algebra	3	MTH201
6.	MTH301	Probability & Statistics	3	MTH103
Total			**21 Cr. Hrs**	

Table XXXVIII Basic Science

SN	Course ID	Course Title	Credit Hours	Co-Requisite(s)
1.	PHY101	Physics I	4	MTH101
2.	PHY102	Physics II	4	PHY101,MTH102
3.	CHM101	Chemistry for Engineering	3	None
Total			**11 Cr. Hrs**	

Table XXXIX Electrical Engineering Core Courses

SN	Course ID	Course Title	Credit Hours	CO/Pre-Requisite
1.	CPE201	Computer Programming Fundamentals	4	MTH103
2.	ELE201	Circuit I	4	MTH102
3.	ELE202	Digital Logic Circuits	4	ENG101,MTH103
4.	ELE203	Engineering Programming and analysis	4	CPE201
5.	ELE204	Circuit II	4	ELE201
6.	ELE301	Electronic Systems	4	ELE201
7.	ELE302	Signal and Systems	3	ELE201,ELE203
8.	ELE305	Control Systems	4	ELE204,ELE302*
9.	ELE303	Introduction to Microprocessors	4	ELE202
10.	ELE306	Electrical Machines, Drives and Power Systems	3	ELE204
11.	CME301	Communication Systems	4	ELE302
12.	CME302	Electromagnetic Fields and Wave Propagation	3	PHY102
Total			**45 Cr. Hrs**	

The * signifies co-requisite

Table XL Smart Grid Engineering Concentration Courses

SN	Course ID	Course Title	Credit Hours	CO/Pre-Requisite
1.	SGE301	Advanced Electronic Circuits	3	ELE301
2.	ENG401	Engineering Design Project I	2	Advisor Approval
3.	SGE402	Renewable energy	4	ELE304
4.	SGE403	Smart Grid Applications and Technologies	4	ELE303
5.	SGE404	Digital Systems	4	ELE303

6.	ENG402	Engineering Design Project II	3	ENG401
7.	SGE406	Power Electronics and Power systems	3	SGE301
8.	SGE407	Energy Conversion and Storage	3	SGE402
RSE Core Courses			**18 Cr. Hrs**	

Table XLI Technical Electives

Technical Electives List of Courses				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
1.	CME404	Wireless Communications	3	CME402
2.	CME405	Applied Telecommunication Systems	3	ELE304
3.	CME406	Radar Systems	3	ELE304
4.	CME407	Special Topics In communication	3	ELE304
5.	CPE406	Web Engineering Design	3	CPE301
6.	ITG303	Cloud Computing	3	CPE301
7.	ITG308	Intelligent Systems	3	CPE201
8.	ITG309	Digital Media	3	CPE 301
9.	ITG406	IT and Society	3	RESM202
10.	ELE401	Digital Image Processing and Applications	3	ELE304
11.	ACE404	Robotics and Simulation	3	ELE402
12.	ELE404	VLSI Design and Fabrication	3	ELE301
13.	ELE405	Fuzzy Logic & Neural Networks	3	ELE202
14.	SGE301	Advanced Electronic Circuits	3	ELE301
15.	ACE402	Automatic Control Systems	3	ELE304
16.	ELE304	Digital Signal Processing	3	ELE302,MTH301
17.	SGE408	Internet of Things	3	ELE303
Technical Elective Courses (5 courses required for RSE students)				

RSE Students can register electives from other Engineering Disciplines subject to School Approval. Technical Elective courses will have one hour tutorial session for practical work.

Upon students request and school approval, the following 4 Credit hours courses, can be available to as technical electives. It must be noted that students who wishes to register them will go above the total (140) credit hours in their respective study plan.

4 Credit hours Technical Electives List of Courses from other Engineering Disciplines				
SN	**Course ID**	**Course Title**	**Credit Hours**	**Prerequisite(s)**
18.	CPE402	Embedded Systems	4	ELE303
19.	CPE405	I/O Interfacing	4	ELE304
20.	ACE303	Instrumentation and Measurements	4	ELE204

21.	ACE403	Digital Control Systems	4	ICE301
23.	CME 402	Digital Communications	4	CME301

Table XLII Specialization Requirement Courses

SN	Course ID	Course Title	Credit Hours	Prerequisite(s)
1.	ENG101	Introduction to Engineering	2	None
2.	ECN201	Engineering Economy	2	None
3.	RESM202	Research Methodology	3	Advisor's Approval
Specialization Requirement Courses			**7 Cr. Hrs**	

Automatic Control Systems Concentration Detailed Study Plan

FIRST YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
xxx-xxx	General Study Course	**3**	3	--	--	None
MTH101	Calculus I	**4**	4	--	1	None
PHY101	Physics I	**4**	3	2	--	MTH101*
GED101	Computer Applications	**3**	2	2	--	None
GED102	English Writing Skills	**3**	3	--	--	None
		17	14	4	1	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH103	Discrete Math	**3**	3	--	1	None
MTH102	Calculus II	**4**	4	--	1	MTH101

PHY102	Physics II	**4**	3	2	--	PHY101, MTH102*
ENG101	Introduction to Engineering	**2**	2	--	--	None
CHM101	Chemistry for Engineering	**3**	3	--	--	None
		16	14	2	2	

SECOND YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH201	Differential Equations	**4**	4	--	1	MTH102
ELE201	Circuit I	**4**	3	2	1	MTH102
CPE201	Computer Programming Fundamentals	**4**	3	2	--	MTH103
ELE202	Digital Logic Circuits	**4**	3	2	--	ENG101,MTH103
ECN201	Engineering Economy	**2**	2	--	--	None
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH202	Linear Algebra	**3**	3	--	1	MTH201
ELE202	Engineering Programming and analysis	**4**	3	2	--	CPE201
GED110	Innovation and Entrepreneurship	**3**	3	--	--	CPE201,ELE202
ELE204	Circuit II	**4**	3	2	1	ELE201
xxx-xxx	General Study Course	**3**	3	--	--	None
		17	15	6	2	

THIRD YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Co*/Prerequisite
ELE301	Electronic Circuits	**4**	3	2	1	ELE201
ELE302	Signal and Systems	**3**	3	--	1	ELE201, ELE203
ELE305	Control Systems	**4**	3	2	--	ELE204,302*
ELE303	Microprocessors and Microcontrollers	**4**	3	2	--	ELE202
ELE306	Electrical Machines, Drives and Power Systems	**3**	3	--	1	ELE204

	18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Co*/Prerequisite
MTH301	Probability and Statistics	**3**	3	--	1	MTH103
ACE301	Instrumentation &Measurements	**4**	3	2	--	ELE305
CME301	Communication Systems	**4**	3	2	--	ELE302
CME302	Electromagnetic Fields and Wave Propagation	**3**	3	--	1	PHY102
RESM202	Research Methodology	**3**	3	--	--	Advisor's Approval
xxx-xxx	General Study Course	**3**	3	--	--	None
		20	15	4	2	

FINAL YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG401	Engineering Design Project I	**2**	1	2	--	Advisor's Approval
ACE402	Automatic Control Systems	**4**	3	2	--	ELE303
ACE403	Digital Control Systems	**4**	3	2	--	ELE305
ACE404	Robotics and Simulation	**3**	3	--	--	ELE303
xxx-xxx	Technical Elective I	**3**	3	--	--	Advisor's Approval
		16	13	6	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG402	Engineering Design Project II	**3**	1	4	--	ENG401
ACE406	Power Systems Protection and Control	**3**	3	--	1	ACE402
ACE407	Industrial Control Systems	**3**	3	--	--	ACE403
xxx-xxx	Technical Elective II	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective III	**3**	3	--	--	Advisor's Approval
		15	16	4	1	

BSC EE Smart Grid Concentration Detailed Study Plan

FIRST YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
xxx-xxx	General Study Course	**3**	3	--	--	None
MTH101	Calculus I	**4**	4	--	1	None
PHY101	Physics I	**4**	3	2	--	MTH101*
GED101	Computer Applications	**3**	2	2	--	None
GED102	English Writing Skills	**3**	3	--	--	None
		17	14	4	1	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH103	Discrete Math	**3**	3	--	1	None
MTH102	Calculus II	**4**	4	--	1	MTH101
PHY102	Physics II	**4**	3	2	--	PHY101, MTH102*
ENG101	Introduction to Engineering	**2**	2	--	--	None
CHM101	Chemistry for Engineering	**3**	3	--	--	None
		16	14	2	2	

SECOND YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH201	Differential Equations	**4**	4	--	1	MTH102
ELE201	Circuit I	**4**	3	2	1	MTH102
CPE201	Computer Programming Fundamentals	**4**	3	2	--	MTH103
ELE202	Digital Logic Circuits	**4**	3	2	--	ENG101,MTH103
ECN201	Engineering Economy	**2**	2	--	--	None
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	CO/Pre-requisite
MTH202	Linear Algebra	**3**	3	--	1	MTH201

ELE202	Engineering Programming and analysis	**4**	3	2	--	CPE201
GED110	Innovation and Entrepreneurship	**3**	3	--	--	CPE201,ELE202
ELE204	Circuit II	**4**	3	2	1	ELE201
xxx-xxx	General Study Course	**3**	3	--	--	None
		17	15	6	2	

THIRD YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Co*/Prerequisite
ELE301	Electronic Circuits	**4**	3	2	1	ELE201
ELE302	Signal and Systems	**3**	3	--	1	ELE201, ELE203
ELE305	Control Systems	**4**	3	2	--	ELE204,302*
ELE303	Microprocessors and Microcontrollers	**4**	3	2	--	ELE202
ELE306	Electrical Machines, Drives and Power Systems	**3**	3	--	1	ELE204
		18	15	6	2	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Co*/Prerequisite
MTH301	Probability and Statistics	**3**	3	--	1	MTH103
SGE301	Advanced Electronic Circuits	**3**	3	2	--	ELE301
CME301	Communication Systems	**4**	3	2	--	ELE302
CME302	Electromagnetic Fields and Wave Propagation	**3**	3	--	1	PHY102
RESM202	Research Methodology	**3**	3	--	--	Advisor's Approval
xxx-xxx	General Study Course	**3**	3	--	--	None
		20	15	4	2	

FINAL YEAR

Fall Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG401	Engineering Design Project I	**2**	1	2	--	Advisor's Approval
SGE402	Renewable Energy	**4**	3	2	--	ELE304

SGE403	Smart Grid applications and Technologies	**4**	3	2	1	ELE303
SGE404	Digital Systems	**4**	3	2	--	ELE303
xxx-xxx	Technical Elective I1	**3**	3	--	--	Advisor's Approval
		17	13	7	--	

Spring Semester:

Course Code	Course Title	Credit Hrs.	Lec. Hrs.	Lab. Hrs.	Tut. Hrs.	Prerequisite
ENG402	Engineering Design Project II	**3**	1	4	--	Advisor's Approval
SGE406	Power Electronics and Smart Power systems	**3**	2	2	--	ELE306
SGE407	Energy Conversion and Storage	**3**	3	--	--	SGE402
xxx-xxx	Technical Elective II	**3**	3	--	--	Advisor's Approval
xxx-xxx	Technical Elective III	**3**	3	--	--	Advisor's Approval
		15	13	4	1	

FOUNDATION

Foundation Program Structure

This program comprises five core component courses:

- FEC001 - English Communications
- FAR001 - Arabic Communications Skills
- FMT001/002 - Mathematics (I or II)*
- FIT001 - Information Technology
- FSS001 - General Study Skills

*FMT001 - Mathematics I suites students intending to advance into arts/humanities/design and selected business programs

*FMT002 - Mathematics II suites students intending to advance into science/technology/engineering and the more quantitative business programs

ACADEMIC REGULATIONS

GRADING SYSTEM

GED, BBA, BIT, BMC, BSC CME, BSC CPE, BSC EE Programs Assessment Methods

- Quizzes
- Projects
- In Class Case Studies
- Take Home Case Studies
- Individual Presentations
- Group Presentations
- Written Assignments
- Individual Assignments
- Group Assignments
- Class Contributions
- Lab activities
- Midterm Exams
- Final Projects
- Internships
- Final Exams

GED, BBA, BIT, BMC, BSC CME, BSC CPE, BSC EE Programs Grading System

Grade	Points	Marks	Description
A	4.0	90 – 100	Outstanding
B+	3.5	85 – 89	Excellent
B	3.0	80 – 84	Very Good
C+	2.5	75 – 79	Good
C	2.0	70 – 74	Average

D+	1.5	65 – 69	Poor
D	1.0	60 – 64	Very Poor
F	0	< 60	Fail
XF	0	-	Failure due to Academic Integrity Violation
I	-	-	Incomplete
R	-	-	Repeat
W	-	-	Withdrawal
FA			Failure for absence

Grade Qualifications

A	Demonstrates a high Level of performance and outstanding mastery of the domain area
B+	Demonstrates excellent mastery of subject matter and overall commendable performance and achievement
B	Very good mastery of subject matter and excellent knowledge and understanding
C+	Good mastery of subject matter and fairly good knowledge and understanding
C	Average performance and achievement
D+	Inadequate level of achievement overall. Average to poor level of knowledge and understanding of the subject matter
D	Limited knowledge and understanding of the subject matter
F	Spare knowledge and understanding of the subject matter and standard of performance well below the level required for a Bachelor Degree Program
XF	Failure due to Academic Integrity Violation
I	Incomplete Grade due to absence from the Final examination.
R	Repeat Course
W	Withdrawal
FA	Failure due to absence

Grade Point Average

The student's Grade Point Average (GPA) is the sum of products of grade points and credit hours of each course and then dividing the result by the total number of credit hours of the semester.

$$GPA = \frac{\sum_{per\ course}(Grade\ Point\ x\ Credit\ Hours)}{Total\ Number\ of\ Registered\ Credit\ Hours\ in\ Current\ Semester}$$

Courses with letter grades of TC (Transferred Credit) and I (Incomplete) are excluded from the GPA calculation.

Cumulative Grade Point Average

The Student's Cumulative Grade Point Average (CGPA) is the sum of products of grade points and credit hours of each course registered in current and previous semesters and then dividing the results by the grand total number of credit hours.

$$CGPA = \frac{\sum_{per\ course}(Grade\ Point\ x\ Credit\ Hours)}{Total\ Number\ of\ Registered\ Credit\ Hours\ in\ all\ Semesters}$$

The CGPA is used to determine the student academic standing and progress in all semesters.

Scaling System

The numerical performance (CGPA) needs to be also translated qualitatively in terms of students' performance. The grade descriptors will help define the students' overall level of skills and provides more comprehensive information to both academic and corporate.

CGPA	Description
3.60 – 4.00	Excellent
3.00 – 3.59	Very Good
2.50 – 2.99	Good
2.00 – 2.49	Satisfactory
Less than 2.00	Unsatisfactory

Academic Progress

Students at ADUC are expected to meet satisfactory academic standards. The Academic Progress Policy is intended to provide a benchmark for students of minimal academic

achievement and a transparent and equitable process for students with weak academic performance.

Students who are not achieving satisfaction across their course of study will receive specifically-targeted advice and assistance at an early stage and the opportunity to be involved in planning their future study carefully with a Designated Advisor. However, if they fail to show improvement over a specified period, they will be dismissed.

The student's CGPA progression over the semesters measures the student's academic progress as maintaining a CGPA of 2.5 on a scale of 4.0 indicates a good academic standing, and the student must maintain a minimum CGPA of 2.0 to graduate as per the study plan.

The students who fail to maintain a minimum CGPA of 2.0 on a scale of 4.0 are placed on Academic probation.

Study Load

The course load for all undergraduate students in a regular semester will be 12 to 18 credit hours as per the study plan; however, it can exceed up to 21 credit hours if the student is graduating based on the study plan and approval of the Dean.

During the summer semester, students may register no more than six (6) credit hours in the summer Semester except for expected-to-graduate students who may register up to nine (9) credit hours on condition of the school dean approval.

Good Academic Standing

Undergraduate Programs

Students are considered to be in good academic standing if they maintain at least a 2.0 CGPA for all degree credit courses attempted at ADUC. A CGPA of 2.0 or above is required for graduation.

Dean’s List

At the end of each Academic Semester, a Dean’s List of academically outstanding students is issued by the office of the General Registrar. The Dean’s list consists of the top 10% of the best performing students in each school. Dean’s list designation applies to only regular semesters. The Students listed in the Dean’s List will be awarded a Certificate of Achievement as a recognition for their good standing.

Student Time Limitation

The minimum and maximum periods of study at ADUC are as follows

For Undergraduate Programs:

1. Maximum period can be 1.5 times of the regular period as per the study plan
2. Minimum shall be half of the regular academic period as per the study plan
3. The maximum study period for the transferred student depends on the number of approved transfer credits.

ACADEMIC PROBATION

Academic probation is the period in terms of semester when a student can register courses under certain conditions. The purpose of Academic Probation is to assist the low performing students to prove themselves academically to continue towards a successful degree program completion.

The conditions for placing a student under probation are as follows:

Academic probation is when a student can register for courses under certain conditions in terms of the semester. Academic probation aims to help low-performing students prove themselves academically to continue towards a successful degree program completion.

The conditions for placing a student under probation based on regular academic semester are as follows:

1. 1. Students with a CGPA of less than 2.00 by the end of their second academic semester will be placed on probation. The first warning will be issued to the student. The students under the first academic warning cannot register more than 4 courses not exceeding, more than 16 credit hours.
2. 2. The student will be issued a Second Academic warning if he fails to improve the CGPA above 2.0 during the first academic warning or the CGPA drops to less than 2.0 in any other semester. The student under the second academic warning can register not more than 3 courses exceeding, not more than 12 credit hours.
3. 3.The student will be issued a third academic warning if he fails to improve the CGPA above 2.0 during the second academic warning or any other semester after the second academic warning. The student under the third academic warning can register not more than 3 courses exceeding, not more than 12 credit hours. Two of the registered courses must be the repeat courses.
4. The probation cannot exceed three consecutive semesters. The concerned students must revert to good Academic standing within the set period. Failure to achieve a CGPA of 2.00 will lead to academic dismissal.
5. Students placed on probation cannot register for courses without the approval of their Academic Advisor.

LISTING OF FACULTY WITH DEGREES HELD

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Qualifications, Areas of Specialization, and Academic Rank For Faculty

Name of the Faculty	Rank	Area Of Specialization	Administrative duties	Qualification
Amer Mohammad Ibrahim	Assistant Professor	Computer Science / HCI	Dean, SACE	Doctor of Philosophy
Amr Mohamed Atta AbdelAzeem Sulaiman	Assistant Professor	Electrical Power and Machine Engineering	Chair, Dept. of Engr.	Doctor of Philosophy
Hamzah Ali Khalaf Alkhazaleh	Assistant Professor	Computer Science / Artificial Intelligence	Faculty	Doctor of Philosophy
Hebatallah Khattab Mahmoud Awwad	Assistant Professor	Computer Science	Faculty	Doctor of Philosophy
Hena Iqbal	Assistant Professor	Information Technology	Faculty	Doctor of Philosophy
Mahmoud Numan Marzoq Bakkar	Assistant Professor	Information system	Dean, SET	Doctor of Philosophy
Mohamed Bayoumi Ali Hassan	Assistant Professor	Mathematics	Faculty	Doctor of Philosophy

Mohammad Rustom	Assistant Professor	Information Science	Faculty	Doctor of Philosophy
Mohammed Noori Abid Hussein	Assistant Professor	Medical Statistics	Faculty	Doctor of Philosophy
Musaab Mohamed	Assistant Professor	Automation of control processes	Faculty	Doctor of Philosophy
Nahil Abed Odeh Abdallah	Assistant Professor	Information Technology	Chair, Dept. of IT	Doctor of Philosophy
Sabah N. Abdul-Wahab Al-Tamimi	Assistant Professor	Computer Science	Faculty	Doctor of Philosophy
Sharmini Enoch	Assistant Professor	Electrical & Communication Engineering	Faculty	Doctor of Philosophy
Tawfik Saeed Tawfik Zeki	Assistant Professor	Computer science/ Software Engineering	Faculty	Doctor of Philosophy
Turker Turker	Assistant Professor	Electrical Engineering	Faculty	Doctor of Philosophy
Yomna Omran Abdelhaleem Shaker	Assistant Professor	Electrical Power and Machines	Faculty	Doctor of Philosophy

Haritha Praveen	LAB Assistant	Electrical Engineering	Faculty	Master

SCHOOL OF BUSINESS ADMINISTRATION

DEPARTMENT OF BUSINESS ADMINISTRATION

Qualifications, Areas of Specialization, and Academic Rank For Faculty

Name of the Faculty	Rank	Area of Specialization	Administrative duties	Qualification
Abdelrahim Nassoura	Assistant Professor	Accounting	Faculty	Doctor of Philosophy
Ahmad abdelmohdi Ahmad Albloush	Assistant Professor	Management	Faculty	Doctor of Philosophy
Amro Ghazawi	Assistant Professor	Materials and Processing Engineering	Faculty	Doctor of Philosophy
Anu Vij	Associate Professor	Business / Marketing	Dean, SBA	Doctor of Philosophy
Eli Hamadimann	Assistant Professor	Business Administration / PhD	Faculty	Doctor of Philosophy

Hiba Mustafa Hilal Hassan	Assistant Professor	Business Administration	Faculty	Doctor of Philosophy
Mahwish Sindhu	Assistant Professor	Management / Marketing	Faculty	Doctor of Philosophy
Majed Alkindi	Assistant Professor	Business Economics	Faculty	Doctor of Philosophy
Nagaraju Velde	Assistant Professor	Human Resource	Faculty	Doctor of Philosophy
Najeb Muhammed Hamodah Masoud	Assistant Professor	Accounting & finance	Faculty	Doctor of Philosophy
Om Prakash Bohra	Assistant Professor	Economics/Public Finance	Chair, Dept. of Bus. Admin	Doctor of Philosophy
Sadi Mohammed Sadi Taha	Assistant Professor	Business Management (Food Safety Management)	Dean, SRGS	Doctor of Philosophy

SCHOOL OF ARTS AND SOCIAL SCIENCES
DEPARTMENT OF COMMUNICATION

Qualifications, Areas of Specialization, and Academic Rank For Faculty

Name of the Faculty	Rank	Area of Specialization	Administrative duties	Qualification
Abubaker Khalafalla Mohamed Shabo	Assistant Professor	Mass Communication	Faculty	Doctor of Philosophy
Asif Ehsan Sharwani	Instructor	Information Technology	Chair, Dept. of Gen. Ed.	Master
Asmaa Abobakr Elsadik Hassan Hegazy	Assistant Professor	Media Communication / Public Relations	Faculty	Doctor of Philosophy
Fakhri Ali	Associate Professor	Communication Sciences	Dean, SASS	Doctor of Philosophy

Mennatalla Mohamd Moawad	Assistant Professor	Media and Advertising	Faculty	Doctor of Philosophy
Mohammed Abd Algader Osman	Assistant Professor	Public Relations and Advertising	Chair, Dept. of Mass Comm.	Doctor of Philosophy
Mona Aly Awwad Mohamed	Lecturer	Education and English Language	Faculty	Master
Mostafa Mohamed Abouelnour	Assistant Professor	Arabic Language (Linguistics)	Faculty	Doctor of Philosophy
Rekha Aslam Khan	Lecturer	Linguistics	Faculty	Doctor of Philosophy

APPENDIX A - COURSE DESCRIPTIONS

BACHELOR OF BUSINESS ADMINISTRATION (BBA) PROGRAM COURSE DESCRIPTIONS

STAT 201 - Business Statistics

This course includes topics like data interpretation, probability, normal and sampling distribution, testing of hypothesis, simple and linear regression. The course introduces different statistical methods that are applied in a business context in order to answer business related questions and help in making evidence based decisions.

ECON 201 - Microeconomics

This course provides an understanding of the concepts, principles and theories pertaining to microeconomics, and their real-world applications. It examines the behavior of households, firms and the government and combines knowledge of the same with its analysis from a microeconomic perspective. The course covers the nature and scope of microeconomics, market structure, determinants of demand and supply in product, labor and capital markets, resource allocation and market equilibrium, price and output determination, consumer and producer surplus and market regulation through government intervention.

MKTG 201 - Principles of Marketing

This course is designed to provide the students with an overview of marketing principles, concepts, theories, and models as they apply to different business situations. It will prepare them to understand and reflect upon marketing practices adopted by business organizations to acquire, retain and develop customers. It will also enable them to apply marketing tools to analyze the markets and position products or services effectively and ethically.

ACCT 202 - Introduction to Financial Accounting

This course covers the application of basic principles of financial accounting concepts and procedures necessary to perform the accounting process that produces financial statements for proprietorship, partnership and companies. It deals with operating cycle and accounting for merchandising, manufacturing, service operations of business, and preparation of cash flow statement, inventory valuation methods and familiarizing the role of standard setting bodies in the field of accounting.

RESM 202 - Research Methodology

This course introduces students to the scope and nature of research and its application in business field. The course emphasizes on problem identification, research methods, data collection and analysis, interpretation and presentation of major research findings. Students will also critically evaluate academic publications and empirical studies.

ACCT 203 - Managerial Accounting

This course introduces students to the fundamental concepts and techniques of managerial accounting and the information needed by management for planning and decision making. It covers job-order and process costing systems, cost-volume-profit analysis, variable and absorption costing, capital budgeting, budgetary planning and control, decentralization, and performance evaluation in decentralized organizations.

BUSN 203 - Business Communication

This course aims to introduce students to business writing. It is designed to improve the ability of the student to communicate at workplace in different contexts using multiple formats, channels and digital media platform. It will cover the process and significance of communication, followed by application of various channels of business communication, including letters, memos, e-mails, sales messages, reports and oral presentation, in creation and presentation of effective business documents.

ECON 204 - Macroeconomics

This course provides an understanding of macroeconomics concepts, and their application in the real world life. It integrates the knowledge with the analysis of the aggregate behavior of households, firms and the government from macroeconomic perspective. The course covers the nature and scope of the macroeconomics, determinants of gross domestic output and national income, determinants of aggregate demand and supply, aggregate labor market and unemployment, money markets and inflation, government policies for stabilizing the long run growth and economic sustainability.

FINA 204 - Financial Management

This course covers financial theories and practical application to corporate financial decisions used to increase the value of the firm. Topics discussed include valuation of fixed income securities, stocks and options, cost of capital, capital budgeting, financial planning and forecasting. It also introduces students to capital structure, working capital management, mergers and acquisitions and other special and advanced topics in financial management.

ECON 206 - The Global Economy

This course provides an integrated understanding of economics concepts and their application from global perspective. It covers the concepts and determinants of trade, benefits and cost of trade liberalization, resources and factors movements at international level and its impacts. The course includes Regional Trade Agreements, determinants of exchange rates and balance of payments

among economies. The course also provides a section on economic development and sustainability from GCC perspective.

ECON 207 - The GCC Economies

This course introduces students to the Gulf Cooperation Council (GCC), formation, purpose and its relevance in the Middle East and global economic environment. It focuses on the economic, social and cultural development of the GCC members since the formation. Major issues examined are diversification of economies, trade, labor, education and the barriers towards achievement in these areas.

MGMT 208 - Principles of Management

A foundation course designed to provide students with a basic understanding of organizations with emphasis on conceptual and interpersonal skills. It provides background on the development of business culture and introduces the underlying concepts of organization and management with emphasis to the UAE context. It covers the general area of management in today's workplace including fundamental management functions such as planning, organizing, leading and controlling.

FIN 300 - Financial Markets and Institutions

This course offers fundamental knowledge about the structure, function and role of the financial system with a scope of financial institutions and financial markets. The topics covered include financial intermediaries, different financial markets; credit institutions; financial systems regulation; the operations of equity and debt markets; the foreign exchange market and derivative markets**.**

HOM 300 - Introduction to Hospitality &Tourism Management

The course focuses on hospitality operations while offering a broad, comprehensive view of Hospitality Industry. It provides an understanding of hospitality and Tourism industry major aspects and its operational aspects. The course is structured in areas of Hospitality and lodging, Tourism attractions, Recreations, and Events and its operations. The specific areas covered in the courses are Hospitality and Lodging, Beverages, Restaurants and Managed Services, Tourism, Recreation, Attractions, Clubs and Gaming Assemblies, Events, Attractions, Leadership, and Management.

FIN 301 – Investment and Portfolio management

This course focuses on both the investment environment and investment process. The investment environment examines the market making mechanisms that prevail in stocks markets. The investment process part of the course examines portfolio diversification methods, capital asset pricing models, portfolio construction and asset allocation, and portfolio performance evaluation.

BULW 305 - BUSINESS LAW

This course covers the fundamental concepts of legal theory, types and sources of law, legal and judicial systems, property and business protection. It focuses on the principles and practices of the law on contracts, sales and lease, negotiable instruments, and agency. The course also deals with the effects of business law on local and international business operations, and elaborates on the law of intellectual property, corporate governance, and securities.

ETIC 306 - Business Ethics

This course introduces students to the relevance of ethics and social responsibility in business. It aims to present a framework that can be used to identify, critically analyze and resolve ethical issues encountered in the workplace at the individual, organizational, and societal levels. The course covers factors affecting decision-making with an emphasis on issues related to social responsibility, corporate governance, ethics programs, and sustainability.

MGMT 307 - Operations Management

This course provides a study of the major concepts and practices applied operations management. The course integrates the knowledge with the practices and operational functions both in manufacturing and service businesses. This course covers the topics of planning, forecasting, product and service designing, strategy designing and selection for operations, process controlling, supply chain management, inventory management, quality control and project management.

INM 307 - Quantitative Business Analysis

This course is designed to introduce the students to data analysis with a focus on descriptive and inferential statistical concepts and methods. Topics include: Grouping of data, Histograms, measures of central location, Variance and Standard deviation, Probability, Conditional probability, Discrete and Continuous Probability Distributions - Binomial, Poisson, Hypothesis Testing, linear and multiple regression analysis.

MGMT 308 - International Business

This course introduces the concept, theories, tools and strategies required for successful performance of a Multi-National Corporation (MNC) in dynamic Global business environment. Environmental analysis, strategy selection and evaluation, and country risk analysis are covered to enhance the managerial competency of a student. WTO and regional trading blocks are also included to provide further insight of International business complexities.

INM 308 - Operations Research

This course is designed to expose students to the concepts and applications of operations research, with emphasis on linear programming models, basic simplex method, transportation theory and duality & sensitivity analysis. It also gives some insight into topics such as infinite queuing models and game theory. Analytic techniques and statistical software packages including MS Excel-add-ins and LINDO will be used for solving optimization problems.

ORGB 309 - Organizational Behavior

This course focuses on the student competency to execute managerial work and challenges in the form of managing human resource in an organization. It covers the tools and techniques of organization behavior to effectively handle cultural and diversity issues. The course equips the student with leadership traits necessary to deliver managerial roles and responsibilities, and examines various theories to explain employee behavior in organizational context.

INM 400 - Production Planning and Control

This course gives students an introduction to the functional area of production operations as practiced in manufacturing industries. It includes managing materials, scheduling machines and people while coordinating suppliers and customers. Students will gain knowledge and skills in forecasting and controlling production processes, increase quality and reduce production costs. Main topics include, just-in-time systems, forecasting, aggregate planning, inventory management, materials requirements planning (MRP), and Lean manufacturing.

HOM 400 - Lodging Management

This course examines how the lodging industry and the hotels in the industry operate. It addresses the role and significance of each department, including the front office, sales and marketing, housekeeping, maintenance, food & beverage and such in the context of both small and large hotels. The course aims to emphasize the significance of management of lodging operations to ensure revenue optimization and quality service to a hotel guest.

HOM 401 - Hospitality Marketing

This course offers an introduction to the marketing in hospitality organizations. It will provide information on marketing environment, segmentation, marketing research, brand management, promotions, pricing strategies and the future of hospitality marketing. It also aims to discuss how to organize a comprehensive marketing strategy for a hospitality operation including the key components of a marketing plan.

HURM 401 - Human Resource Management

This course covers basic concepts, theories and models of human resource management. It outlines the roles and functions of staff members in the human resources department. It covers models of human resource planning, recruitment and selection, performance appraisal, roles and responsibilities of Human Resource personnel.

ITG 401 - Project Management

This course is an introduction to the project management concepts and applications. It covers topics necessary for laying a good foundation of Project Management purpose, function and importance in the contemporary business environment. The course examines concepts, practices, purpose and functional aspects, management and controlling in Project Management. It covers Planning, Managing Risk, Estimating and Feasibility Analysis, Work Breakdown Structures, Introduction to Project Start –up, role of Project Manager, and Project Management Office (PMO).

ACCT 401 - Intermediate Accounting I

The course covers the conceptual framework underlying the financial reporting of the enterprise in accordance with the International Financial Reporting Standards (IFRS). It covers basic elements of financial statements, recognition and valuation of account receivables, inventories, accounting for PPE, valuation and accounting for current and non-current liabilities and intangible assets.

MKTG 401 - Consumer Behavior

This course provides an understanding of how the underlying concepts of consumer behaviour impact marketing strategies. The course draws from the principles and theories relevant to the field of social sciences and aims to provide significant insight to the factors that influence consumers' decision making process. The students will critically evaluate the current aspects of consumers' pattern of choices with respect to dynamic societal environment.

INM 401 - Quality Management

This course is designed to provide students with an understanding of the principles, concepts, processes and procedures pertaining to the issue of total quality management. Topics covered include the theoretical base for planning a total quality management (TQM) program, the principles that make up TQM, the implications and benefits of introducing TQM into an organization and the tools and techniques that could be used to support an ongoing TQM program.

ITG 211 - Management Information Systems

This course gives the students an overview of the different types of management information systems that help organizations in improving their performance and have competitive advantage. It focuses on the aspects of database management, e-commerce, telecommunication and even

information security. It even explores technical, strategic and tactical issues related to information systems.

HURM 402 - Performance and Compensation
This course examines performance management and compensation practices from different organizational perspectives. It covers basic concepts of performance management and the rewards system and shows its linkages with the strategic planning process. The course enables the student application, analyses, syntheses and evaluation of performance management approaches including benefits, incentives and merit pay within the UAE context illustrating dangers to the organization as a result of a poorly implemented performance management and reward system.

ACCT 402 - Intermediate Accounting II
This course is the continuation of Intermediate Accounting I (ACCT 401) with intensive coverage of current accounting practice and reporting requirements related to shareholders' equity, employee compensation issues, stock warrants, earnings per share, investments, business segments and interim reports, options, debt investments, leases, derivatives, accounting changes and error corrections and full disclosure in financial reporting.

MKTG 402 - E- Marketing
This course is designed to explore the implications that new technologies, primarily related to the Internet, have on marketing strategies and tactics. The course provides an understanding of technology, business concepts and issues that surround the emergence of electronic business on the Internet. It will develop an awareness and understanding of the relevant issues, advantages and disadvantages, and specific techniques involved in using the Internet as a marketing vehicle.

HOM 402 - Food and Beverage Management
This course introduces the students to the basics of how the food and beverage industry operations in hotels, restaurants, catering outlets and other licensed retail are run. It also offers insights into management of food and beverage such as menu development, purchase & inventory, production, service and quality and control for various hospitality organizations.

HOM 403 - Hospitality Facilities Development
This course is designed to introduce an overview of the development and operation of hospitality facilities, including operating costs for various types of existing facilities, types and characteristics of major building systems, available technology, and the responsibilities of the engineering-maintenance department, renovation needs of hospitality facilities, and key managerial aspects of

renovations. The course will also focus on how technology can streamline operations procedures, how to balance environmental concerns with guest satisfaction.

MGMT 403 - Leadership

This course develops understanding and insight into the roles, traits and skills of leadership in a business organization to build leadership capacities of students through feedback, reflection, and practice. It provides students with a strong conceptual foundation in leadership theories and strategies, self-awareness, incentives, innovation, change and teams management, emphasizing ethical considerations for successful leadership.

HURM 403 - Training and Development

This course covers the core functions of training and development of workforce in organizations. The course details training in organization's identifying future training methods of training showing how training is aligned with strategy showing how learning, motivation and performance play a critical part in employee and management development. This course enables students to analyze traditional training methods against new electronic and web based training methods, helping them critically analyze the key areas of organizational training - the 5 step ADDIE process of Need Analysis, Training / Instructional Design, Content Development, Training Implementation and Training Evaluation.

ACCT 403 - Auditing I

This course covers the basic principles of auditing, generally accepted auditing standards, professional standards, ethics, audit reports, internal control, evidence gathering, materiality and risk, fraud, statistical sampling, audit techniques and audit considerations in various computerized environments.

MKTG 403 - Advertising and Promotion

This course is designed to address advertising related decisions in a business organization. It provides an appreciation of various dimensions of integrated marketing communications focusing on the advertising component. It intends to ensure effectiveness of advertisements designed through appropriate target market strategy, employing suitable message, creativity and media selection related decisions and awareness of ethical issues.

INM 403 - Decision making Science

Decision making Science deals with decision making within a managerial context. It discusses a number of systematic approaches to making decisions in problems encountered by managers. Topics include: Decision Models and Decision Trees, Forecasting, Inventory Control Models, Linear programming, , Statistical quality control, simulation modeling and Markov analysis

FIN 403 International Finance

The course explores the complexities of corporate financial management in an international setting, where companies are subject to exchange rate risk. Exchange rate theories and their practical implications are analyzed, as well as the merit of foreign exchange risk management. The course also aims to provide students with a thorough understanding of international investment and financing decisions. The course emphasizes the practical implications of finance theory and its application in international financial management.

MGMT 404 - Management of Change

The course is an introduction to the theories and concepts of change management. It aims at developing the ability to comprehend the dynamics of individual, group and organizational change. The course covers the application of different tools and techniques used in the Change Management process. Other topics include restructuring, the role of culture and ethics during the change management process.

HURM 404 - Recruitment and Selection

This course is intended to provide the students with an understanding of recruitment and selection methods and processes. It will cover tools, techniques, and activities important to matching organizational human resources requirements and specifications with applicant abilities and motivations. External influences such as labor market, legislation and regulations and labor unions are examined.

ACCT 404 - Auditing II

This course covers investigation of financial statements and accounting processes to detect discrepancies and fraud. Topics covered include different types of fraudulent activities, red flags, fraud risk assessment, fraud prevention and detection system in different corporate entities, internal control methodologies, approaches to financial fraud investigations and legal follow up.

MKTG 404 Marketing of Services

This course explores the area of service marketing and identifies the main characteristics that differentiate service marketing from product marketing. It explores the challenges of managing services and applies the principles of services marketing to position, deliver, price and promote different services in a growing competitive business scenario. The course also introduces students to the concept of service quality and use service models to suggest an improved service strategy aiming to retain customers and build loyalty.

INM 404 – Risk Management

This course will provide the students with the skills and knowledge needed in business and society to make an assessment of assess, understand, analyze, and transfer risk. The goal of this course is to engage students in active discovery of risk management principles and tools. Students will be prepared to work in a business environment, developing an awareness of the challenges, the tools, and the process of designing and implementing a risk management plan.

FIN 404 – Islamic Finance

This course provides an understanding of the main concepts in Islamic finance and banking, and their application in the real world. It covers aspects of financial markets and the structure of the Islamic finance industry including Islamic financial instruments and performance.

STRT 405 - Strategic Management

This is a fourth year course and aims at providing students with the ability to analyse various business scenarios and foresee prospective threats and opportunities for a business organization. It equips students with the competencies to formulate strategies and develop appropriate action plan to sustain, as well as achieve, the competitive advantage in relevant markets. The course further develops student's efficacy to execute strategic decisions based on ethical business practices.

HURM 405 - UAE Labour Law and Relations

This course deals with clauses, sections of the UAE labour law and legislation. It covers the fundamental principles, amendments and practices pertaining to labour relations. It focuses on employment issues, contractual practices, labour disputes, resolutions and appendices of UAE labour law.

ACCT 405 - Accounting Information Systems

This course covers the basic knowledge of manual and computerized accounting systems from design and audit standpoints and expose how IT developments can improve the efficiency and effectiveness of business processes. Furthermore, the course includes accounting software, accounting controls on revenue, expenditure, production cycles and general ledger reporting systems, systems design and analysis, decision support systems, systems implementation, basics on REA model, and auditing computer-based information systems.

MKTG 405 - Sales Force Management

This course introduces the dynamics between the sales personnel and sales managers in an organization. It intends to apply the sales management concepts in a business organization and provides insights of the critical steps create a motivating personal selling environment. The course covers a range of topics including the process of buying and selling, organizing the sales force,

strategic role of information in sales management, motivation, recruitment and selection of sales force sales, and training and ethics in sales management.

INM 405 – Enterprise Resource Planning

This course teaches students the components of an ERP system, and the process of implementing ERP systems within a corporation to increase the overall success of the organization. The course also provides information on the ERP development life cycle, the process of selecting software and vendors, how to manage an ERP implementation project, and how to understand the concept of metrics and evaluation in an organization. Students learn the issues dealing with people and organizational change, business process reengineering, change management, operational and post-implementation activities, and the role of ethics and globalization, emphasizing the two other enterprise-level applications, Supply Chain Management, and Customer Resource Management, which are often integrated with ERP systems

FIN 405 - Insurance and Risk Management

Risk management establishes standards for aggregating disparate information, gathering market data, calculating risk measures and creating timely reporting tools for management market, credit, and operational risks. This course is directed toward students interested in understanding how large-scale complex risk can be quantified, needs to be managed and architected. The Course provides the deep understanding of approaches used for risk management in financial institutions.

INT 406 Internship/Company Project

The Internship/Company Project is the culmination of various courses undertaken by the student during the BBA program. This course provides a unique opportunity for students to acquire direct work exposure as an intern in a business organization. The course aims to enhance the skills and competencies critically needed to address business issues and offer solutions while drawing from the theories and concepts learned. It aims to provide the students with opportunities to network and enhance their career prospects.

INM 410 - Logistics and Supply Chain Management

This course aims to introduce students to the fundamental analytic tools, approaches, and techniques which are useful in operation and design of logistics systems and integrated supply chains. The course also highlights the applications of technology in critical components of the supply chain system in a firm. The material is taught from a managerial perspective, with an emphasis on where and how specific tools can be used to improve the overall performance and reduce the total cost arising due to logistics operations of a firm.

FIN 410 - Computer Application in Finance

This course is intended for students who want to become finance professionals, knowledgeable individual investors, or both. The purpose of this course is to learn how to use software applications such as excel spreadsheets to solve complex financial problems. Upon completion of this course, students should master various software applications skills and have the ability to model a financial problem in a spreadsheet and the ability to use the model to assist financial decision-making.

HOM 410 - Sustainability in Hospitality

This course provides an understanding of the main concepts in global sustainability and environmental impact on the hospitality industry, and their application in the real world. It covers aspects of a clear understanding of environmental, social and cultural impact including voluntary initiatives and mandatory practices on performance of the Hospitality Sector.

HOM 411 - Event Management

This course offers an introduction to the concepts, practices and to work in the field of event management. It covers all the skills and knowledge students need to become successful event managers. It discusses how to design, plan, market and stage an event, and how to ensure the safety of everyone involved. It also highlights the various outcomes and impacts of events.

FIN 411 - Financial Statement Analysis

This course is focused on the use of financial statement reports to the different users in order to make better decisions. The main components of the financial statements such as, balance sheet, income statement, cash flow statement, and statement of equity will be utilized for comparison, using trend percentages, detailed analysis of working capital and extensive use of various generally accepted ratios. It covers the basics analysis of financial statements, and applying such analysis, financial statements, financial ratios, equity analysis, cash flow analysis, and measure of value added, risk analysis, and traditional performance measures.

HOM 412 - Legal Aspects of the Hospitality Industry

This course covers the fundamental concepts and sources of law in Hospitality and other related Industries. It focusses on the legal and judicial issues which can happen in the related fields. It further discusses the steps and practices, which a hospitality and related industry professional can adopt to avoid litigations and manage their legal environment.

FIN 412 - Bank management

The course aims to introduce students to the banks and their services; organization and structure of banks; financial statements of a bank; measuring and evaluation of bank performance; asset and

liability management and hedging against interest rate risk, and the management of the bank's investment function and liquidity position.

HOM 413 – Financial Accounting for Hospitality Organizations

The course aims to provide students with the basic knowledge of financial accounting systems in a hospitality environment. The course covers the preparation of financial statements, from transactional analysis through journal entries to financial statement presentation. Specific topics include accounting for merchandising operations in hospitality, inventories and cost of goods calculation, and the accounting for receivables and payables.

FIN 413 - Financial Derivatives

This course is a basic introduction to futures, options and other financial derivatives and will discuss the characteristics of different types of derivatives and how they are traded. Provides an understanding and necessary exposure to the various tools used in analyzing and evaluating the financial performance of business in terms of risk and return. Emphasizes the fundamentals of calculation and analysis of the various performance ratios and examine the key issues that affect dividend policies and introduces to the concepts of cost of capital, risk and uncertainty in capital budgeting decisions and elements of international finance. The main topics include forwards, futures, swaps, options, binomial options pricing, the Black-Scholes formula, and financial engineering for hedging and risk management. The course will also cover the volatility of derivatives and their increasing importance in financial markets.

FIN 414 – Advanced Corporate Finance

The theme of this course is the integration of value-based financial decision making as a means of improving strategic operating results and investor returns. This course extends and further refines the core concepts developed in FINA 204 with particular attention given to efficient market hypothesis, capital structure, payout policy, long- term financing, options, futures, financial distress, and corporate governance.

BACHELOR OF INFORMATION TECHNOLOGY (BIT) PROGRAM COURSE DESCRIPTIONS

ITG 211- Management Information Systems

The Management Information Systems course introduces students to business organization structure and different types of information systems that helps the organizations to achieve their objectives. The course focuses on how the information is processed, stored, used and controlled with the help of computer-based information systems for information management and decision making. Students will also learn how to equip organizations with quality, efficient and successful systems with emphasis on managing global information systems.

ITG103- Mathematics and Statistics for IT

The course introduces students to fundamentals of discrete mathematics and statistics that IT professionals should acquire. The course covers relevant topics in sets, functions, relations, logic, hypothesis, and statistical sampling. The course also introduces students to basic terminologies of trees, and graph theory.

ITG 105 Introduction to Computer Science

This course develops the student's appreciation of computer terminology and its applications. It provides an overview of computer architecture, data storage and manipulation, algorithms and problem-solving strategies, basic systems programming skills and tools, and data abstraction Techniques

ITG 101 Fundamentals of Web Technologies

Fundamentals of web technologies presents the student with an Introduction of the Internet, The World Wide Web, Web Browsers, Web Servers and Uniform Resource Locators. It also covers web standards, such as HTML, Cascading Style Sheet and XML, in addition to JavaScript as Client-side Scripting.

ITG 202 Fundamentals of Networking

This course introduces the fundamentals of networking. It emphasise on data communications framework which includes protocols, local area networks, wide-area networks, OSI model, cabling, Ethernet, IP addressing, and network standards. Students will learn tasks related to networking mathematics, models, media, Ethernet and sub-netting.

ITG 203 Computer Programming Fundamentals

This course is designed to provide an introduction to computer programming which emphasizes computer in systematic and effective manner by using a programming language. The course is an introductory programming subject that will orient students to programming concepts and logic without assuming any previous programming experience. It also covers concepts such as decision making constructs, loops, modular programming, arrays and pointers.

ITG 204 Software Engineering

This course aims to introduce the student to the standard methods of software and systems development. Students will learn the different stages of development process to gather functional and non-functional requirements. The students will learn both plan driven and agile approaches

software development, requirements engineering, system modeling, architectural design and implementation using Unified Modeling Language.

ITG 205 Computer Architecture and Organization

This course is designed to give students a comprehensive knowledge of computer architecture at the hardware and software levels. The students will learn the fundamentals of computer organization and architecture, covering the topics related to processor design, memory locations and operations, addressing modes, instruction types, programming in assembly language, CPU Basics, Registers, Control Unit, Cache Memory, Input/output and parallel systems.

ITG 206 Object Oriented Programming

This course is designed to introduce the students to the features of object oriented programming languages such as inheritance and polymorphism, and advanced functions along with its types, local and global variables, introduction to classes and objects, basic data structures provided by a programming language such as searching and sorting arrays, pointers, characters and strings, and make use of these features in problem solving techniques.

ITG 207 Information Assurance and Security

This course describes concepts of information assurance and security in today's world. The course introducing students to the concepts of technological security needs, legal and ethical issues in today's organization, assessment of information security and risk management, intrusion detection and prevention systems. The course will also introduce students to the modern cryptosystems as well as their architecture and implementation.

ITG 207 Network Communications and Security

The course will familiarize the students to the different protocols of controls data and multiplexing. The course also covers Circuit Switching and Packet Switching Routing in Switched Networks. Students will demonstrate the network security threats as well as the network security techniques.

ITG 208 Operating System

This course will introduce the core concepts of operating systems, such as processes and threads, scheduling, synchronization, memory management; file systems, and input/ output device management. The goal of the course is to introduce the principles underlying the design and implementation of contemporary computer operating systems.

ITG 209 Fundamentals of Database

This course introduces the fundamental concepts necessary for designing, using, and implementing database systems. This course focuses on how data must be efficiently collected, organized, retrieved and managed to make it meaningful to the organization. Students will learn how to apply normalization techniques to make the data more meaningful for the organization. Students will learn the relational algebra operations with respect to relational databases.

ITG 210 Human Computer Interaction

This course help IT graduates to develop a mind-set that recognizes the importance of users and organizational contexts. They must employ user-centered methodologies in the development, evaluation, and deployment of IT applications and systems. This requires graduates to develop knowledge of HCI such as user and task analysis, human factors, ergonomics and cognitive psychology.

ITG 301- Integrative Programming &Technologies

This course will familiarize students with two domains SOA and REST in a manner that is concrete. This course helps the students to design REST services. The REST architectural style coupled with RESTful framework implementation provides scalable and reliable approach to SOA.

ITG 302 Database Programming

This course covers the process of database programming and querying the databases. A database management system is used to design and build a database application. Students will learn PL/SQL as a procedural language to manipulate data at record level. One of the practical applications is to manage updates and keep consistent database through triggers and schedule events. Advanced SQL is used to optimize queries and control concurrency.

ITG 303 System Administrations and Maintenance

This course covers the essentials for effective administration and maintenance of applications, operating systems and networks. It also considers the need for IT system services, policies and procedures. This course includes all the topics that are necessary for students to become system administrator.

ITG 305 Distributed Systems

This course covers abstraction, challenges and techniques for the design of distributed systems and applications. Topics include: communication mechanisms, web and peer-to-peer services, naming, network application protocols. It will also be valuable to them to understand new and future developments in the field.

ITG 311 Systems Analysis And Design

This course introduces information system concepts and the system development process. The course emphasizes the development phase of analysis, the application of structured methods, and the use of tools. Coverage includes Structured systems analysis and design methodologies, functional decomposition, data flow diagram approach (DFD), and information modeling. Students will also learn to evaluate the quality of new system.

ITG 307 Mobile Application Developments

This course teaches students how to build mobile apps for mobile operating platforms. It also explains key concepts and basic platform requirements for creating mobile applications. Emphasis is placed on the processes, tools and frameworks required to develop applications for current and emerging mobile computing devices.

ITG 308 Intelligent Systems

This course provides fundamental concepts of intelligent systems. The course will cover theoretical issues, characteristics, challenges, applications and implementation techniques of intelligent systems. An overview of different paradigms, symbolic and non-symbolic knowledge representation methods, search algorithms, logical methods for reasoning and constraint satisfaction problem will be covered.

ITG 309 Web Developments

This course presents basic concepts and techniques related to server-side development. Students will learn the examples of application servers as an open source development platform. Further, students will connect their applications to the database servers via open database connectivity. Latest web technology programming trend will also be covered.

ITG 310 IT Project Management

This course is designed to introduce and explore the basic concepts and practices of project management and help students understand how to plan and manage IT projects successfully. Throughout the course, students will be asked to utilize course concepts, methodologies, and tools while utilizing technology applications and addressing real-world problems. Students will learn the skills necessary to define project scope, create workable project plans, and manage projects with quality, budget, and schedule in mind.

ITG 310 Data Warehousing

This course covers scientific and practical aspects of current data warehouse with visions on reasonable solutions for management and technical fields. The topics covered are concepts of the data warehousing and business requirements, data warehousing and Business Intelligence

approaches, planning for data acquisition, centralization, distribution, performance and presentation, and ETL (Extract, Transform and Load) data into Data warehouse.

ITG 402 Digital Media

The course will introduce theory and practices of producing multimedia content such as audio, images, graphics, video, and animation. It will handle multimedia processing, compression standards and techniques. It explores different authoring tools and techniques to create, capture, digitize, and sample media content.

ITG 403 Knowledge Based Systems

This course presents an in-depth treatment of expert or knowledge-based systems. Topics to be covered include architectures, development, management, fuzzy logic, agent based and multi-agent based systems, and software computing systems. Students are expected to learn how to write, analyze and design programs and systems of varying complexities.

ITG 404 E-Commerce

This course will familiarize students with current and promising electronic commerce technologies using the internet. It will provide students with an understanding of how the internet can be used to create a brand presence, complete commercial transactions, and business opportunities in electronic commerce, social, political and ethical issues associated with electronic commerce.

ITG 303 Cloud Computing

This course covers a series of current cloud computing technologies, including technologies for infrastructure, Platform, Software and Physical Systems as a Service. The course will also cover cloud issues and challenges and security. Students will learn to choose solutions, calculate costs and compare between in-house and cloud solutions.

ITG406 IT and Society

In this course the students will develop a critical awareness of the responsibilities, concerns, and consequences surrounding the use of IT in social, cultural, and economic contexts. Information Technology (IT) has changed our society. This course will develop an awareness of these changes and an understanding of the resulting theory and controversies.

ITG 407 Software Quality Management

This course describes the fundamental principles of software quality management and software process improvement. It examines aspects of the software development process, including software

inspections and testing, configuration management, and software quality assurance. It provides detailed coverage of software metrics and problem solving.

ITG 408 Graduation Project

To enhance students' ability to integrate IT solutions in designing, implementing and testing a realistic IT project. Students are expected to include project proposal, feasibility studies, intellectual property, teamwork, budgets, and schedule management for their project. This course also intends to improve students' presentation skills and provides them a chance to further extend their planning, coordination, and problem-solving skills and engage in continuing professional development while working as members of a project team.

ITG 409 Internship

Pre-work experience to apply knowledge gained during the course of the program to real world context. This course intends to improve curriculum related experience. At this level, students are expected to engage and take responsibility as IT professionals to support the organization and society

BACHELOR OF MASS COMMUNICATION (BMC) PROGRAM COURSE DESCRIPTIONS

توصيف المساق: مدخل إلى العلاقات العامة COM100

يتناول المساق تعريف العلاقات العامة كإدارة الاتصالات في المنظمة، ومسح التطور التاريخي للعلاقات العامة من الناحية المهنية، وتقديم نماذج العلاقات العامة، وعناصر عملية العلاقات العامة، والخصائص الشخصية والمهنية لممارس العلاقات العامة الناجح، والهياكل التنظيمية لإدارات العلاقات العامة، العلاقات العامة في المؤسسات الحكومية والأهلية، العلاقة مع الجمهور، والعلاقة مع وسائل الإعلام، وقنوات الاتصال الداخلي والخارجي، مع تقديم حالات دراسية ونماذج تطبيقية.

وصف المساق: الكيمياء في حياتنا GED 152

يتناول المساق علاقة الإنسان بالكيمياء عبر عصور تاريخية طويلة، موضحاً تعمق هذه العلاقة و امتداد جذورها في العصر الحاضر، كما يتناول المساق الجوانب النافعة و الضارة للكيمياء. ثم يُلقي المساق الضوء على توسع التكنولوجيا الكيميائية و تطبيقاتها و امتدادها إلى كافة مناحي الحياة ، في السلم و في الحرب و كيف ان هذا النمو و التصاعد في حجم التكنولوجيا الكيميائية قد أبرز أنواعاً جديدة من المشكلات تتولد في معظمها مما تحدثه النشاطات الكيميائية من إخلال بالتوازنات الإيكولوجية الطبيعية، أو استنزاف لخيرات الأرض، أو تهديد لصحة الإنسان، و من جديد يستعرض المساق كيف أن الإنسان لم يجد إلا الكيمياء لتقدم الدواء لبعض ما خلفت الكيمياء من أدواء.

توصيف المساق: تطبيقات الحاسوب GED 101

في هذا المساق سيتم التركيز على جانب البرمجيات Software وهي تطبيقات مبرمجة بلغات الحاسوب المختلفة وتمثل حلقة الاتصال بين الجهاز والمســـتخدم. تعلم التطبيقات وأهم البرامج الجاهزة الموجهة لخدمة المســـتخدمين في تنفيذ اعمال محددة، وبخيارات متعددة، مثل معالجة النصـوص وتصـميم المواقع وتنفيذ العمليات الإحصـائية.. وغيرها من المهام، وسـنركز على مجموعة التطبيقات التي تصـدرها شركة ما ميكروسـوفت، ضـمن مجموعة المكتب المعروفة باسـم (Microsoft Office)، كونها الأكثر فائدة إلى مؤسـسـات المعلومات والمكتبات في تنفيذ خدماتها وإجراءاتها

توصيف المساق: مدخل إلى الإعلان COM101

يتناول المساق مفهوم الإعلان في الصحف والمجلات والتلفزيون ووسائل الإعلام الأخرى، ويركز على عناصر تصميم الإعلان، ومراحل تصميم الإعلان، كما يتناول برمجيات تصـميم الإعلان الصـحفي مثل الفوتوشـوب والإلسـتريتر، ومدى تحقيق التكامل من خلال دمج عناصر الإعلان النصية والجرافيكية، والتأثير الإعلاني، كما يتضمن تطبيقات عمليةفي إنتاج الإعلانات المطبوعة والتلفزيونية، ويناقش نماذج تطبيقية مختارة.

توصيف المساق: مدخل إلى الإعلام الرقمي COM102

يتناول هذا المساق تعريف الإعلام الرقمي، واتجاهات تطور الاتصال والإعلام الرقمي، وإجراء مقارنة بين الإعلام التقليدي والجديد، كما يتناول نظريات الإعلام الرقمي وقنواته ووظائفه، ودور الإعلام الرقمي في التغير الاجتماعي، وفي التســـويق التجاري والاجتماعي، كما يغطي دور الإعلام الرقمي كأداة للتمكين، ويركز على الشبكات الاجتماعية، والعناصر التكنولوجية في الإعلام الرقمي، مع تقديم حالات ونماذج تطبيقية.

Advanced English Writing Skills GED 103

This course covers major areas of advanced writing skills. It explores areas of pivotal importance such as types of document writings, argument essays writing, drafting and composing classification essays. It deals with the different techniques of academic and professional writing. It aims to equip students with the writing and reading skills essential to their undertaking of academic work at a university level.

توصيف المساق: ثقافة إسلامية GED 104

يقدم المساق مقدمة شاملة لفهم الإسلام والثقافة الإسلامية، وخلفية تاريخية عن الحضارة الإسلامية، وتحليل القضايا الاجتماعية والسياسية التي تشكل العالم الإسلامي اليوم.

توصيف المساق: دراسات بيئية GED 105

يتضمن هذا المساق التحديات الأساسية المتعلقة بالبيئة وتأثيرها في الصحة والنمو الاقتصادي بالإضافة إلى ذلك تناقشت تأثيرات الناتجة عن التلوث البيئى و الصناعي في التغير المناخي كما يفسر المبادئ المهمة للاستقرار البيئي.

توصيف المساق: تفكير نقدي GED 109

يتطرق المســـاق إلى تعلم كيفية التفكير النقدي باعتباره مهارة مهمة لاتخاذ لقرارات وفي مل مجالات الحياة كما تركيز في طرق ومســـاراتها المستخدمة لتطوير المعرفة النقدية و المعرفية و تتضمن منهجيات تتعلق بعملية التفكير اليومي في الإدارة و الأعمال كما صمم لأعداد الطلابي بالأساليب الفعالة بأساليب التحليل النقدي و المعرفي.

توصيف المساق: مبادئ الاقتصاد ECO110

يهدف هذا المسـاق الى تزويد الطالب بالمبادئ الأسـاسـية لعلم الاقتصـاد بشـقيه الجزئي والكلى، وتشـمل كل من الطلب، والعرض، وتوازن السوق، وتوازن الاستهلاك وتوازن الإنتاج، الدخل الوطني وطرق حسابه، النقود والبنوك، والبطالة، والتضخم، والسياسات الاقتصادية، وميزان المدفوعات وسعر الصرف، والتجارة الداخلية والخارجية.

توصيف المساق: مجتمع وثقافة الإمارات GED107

هذا المساق يتضمن المميزات الاجتماعية والثقافية للشعب الإماراتي مثل التاريخ وجغرافية الإمارات السياسي للدولة كما يناقش بعض القضايا المهمة التي تواجه مجتمع الإمارات مثل الاختلاف السكاني والتحديات الصحية والثقافية.

توصيف المساق: مدخل إلى علم الاجتماع SOC115

يركز هذا المسـاق بصـفة أسـاسـية علي إلقاء الضـوء علي محاور اهتمام علم الاجتماع، بوصـفه العلم الذي يهتم بدراسـة المجتمع، وما ينطوي عليه من ظواهر وعلاقات وتفاعلات اجتماعية، دراسة علمية منظمة، بالإضافة إلى بعض المحاورذات الصلة.

توصيف المساق: مبادئ الإدارة MGM130

تهدف هذه المادة إلى التعريف بالمبادئ والأســس والنظريات والوظائف التي تقوم عليها الإدارة العامة، وأيضــاً علاقة الإدارة العامة بالعلوم الأخرى، كذلك عرض للإطار الفكري للإدارة العامة، من خلال تطور الفكر الإداري عامة، والإسـلامي خاصـة خلال سـنوات طويلة من الممارسـة الإدارية، وإلى تناول مفصل لكل من وظائف الإدارة من تخطيط وتنظيم ...ألخ، بجانب المهام الأخرى التي تقوم بها كاتخاذ القرارات والاتصالات، والتعرف أيضــاً على بعض المفاهيم الحديثة المهمة التي ظهرت نتيجة لتطور تقنية المعلومات وثورة المعلومات والتي ســهلت من تنفيذ مهام الأجهزة الحكومية بالجودة والتميز المطلوبين.

توصيف المساق: وسائل الإعلام في دولة الإمارات COM215

يتناول المســاق التطور التاريخي للإعلام في دولة الإمارات منذ منتصــف القرن الماضي، الســياســات والتشـريعات الإعلامية في الإمارات، ودور الإعلام في تعزيز التنمية الوطنية والهوية الثقافية، ويتعرض لأبرز المؤســســات والشــخصــيات الإعلامية، والهياكل التنظيمية لقطاع الإعلام، والتطور التكنولوجي، الإعلام كقطاع اقتصادي، كما يغطي المدن الإعلامية الحرة، والتدريب والتأهيل الإعلامي، وتحديات الإعلام والهوية.

توصيف المساق: الترجمة الإعلامية COM220

يعرّف المســاق الطالب بمبادئ الترجمة الإعلامية، وخصــائص اللغة العربية مقارنة باللغة الإنجليزية، وفنون وتقنيات الترجمة الصــحفية، والمصــطلحات والمفاهيم الشــائعة في العمل الإعلامي باللغتين العربية والإنجليزية، وترجمة الأخبار الســياســية، وترجمة الأخبار الاقتصــادية والمالية، وترجمة أخبار الحروب والكوارث، ويقدم تطبيقات عملية ونماذج.

توصيف المساق: التاريخ العربي المعاصر HIS223

يتناول هذا المسـاق أوضـاع العالم العربي بعد الحرب العالمية الأولى وحقبة الاسـتعمار الأوروبي للبلاد العربية وحركات الاسـتقلال العربية في العالم العربي ونشـوء قضـية فلسـطين وتشـكل الكيانات العربية المسـتقلة بعد الحرب العالمية الثانية ونشـوء الكيانات الإقليمية مثل جامعة الدول العربية ومجلس التعاون لدول الخليج العربية، والعالم العربي في عصر العولمة.

توصيف المساق: التسويق الاجتماعي COM225

يتناول المسـاق مفهوم التسـويق الاجتماعين الفرق بين التسـوق الاجتماعي والتسـويق التجاري، ويعرض نماذج ونظريات التسـويق الاجتماعي، والأسـس العلمية لأنشـطة التسـويق الاجتماعي، أنواع ومسـتويات التسـويق الاجتماعي، التسـوق الاجتماعي لبناء الصـورة الذهنية، كما يغطي التسويق الاجتماعي لتعزيزالقيم والممارسات الاجتماعية، ويتعرض إلى التسويق الاجتماعي في عصر الإنترنت، وتخطيط وتنفيذ أنشطة التسويق الاجتماعي،ويتضمن نماذج وحالات دراسية.

توصيف المساق: الرأي العام COM228

يتطرق المســـاق إلى تعريف الرأي العام ونماذجه ونظرياته، أنواعه ومســـتوياته. كما يتطرق لأدوات ومنهجيات قياس الرأي العام، وتحليل اتجاهاته، ودور الإعلام في تشـكيل الراي العام، والرأي العام في عصرـ الإنترنت والشـبكات الاجتماعية، وقضـايا محلية وعالمية في الراي العام، وحالات دراسية.

توصيف المساق: الأدب العربي الحديث LIT229

يتناول هذا المسـاق أبرز الأعمال الأدبية الحديثة باللغة العربية بما فيها الروايات والقصـص القصـيرة والشـعر التقليدي والحديث، ويعالجها من حيث الأنوع الفنية وأســاليب التعاطي مع اللغة، والعناصر الفنية والأدبية في النصــوص الأدبية، والمدراس الفكرية والفنية التي ينتســب إليها الأدب العربي، مع التركيز على أعمال أدبية لنجيب محفوظ والطيب صالح ونزار قباني ومحمود درويش، وغازي القصيبي، وغيرهم.

توصيف المساق: التصوير الرقمي COM230

يتناول المساق تاريخ الكاميرا كأداة تعبير بصرية، والخصائص الفنية للكاميرا، وأنواع الكاميرات الرقمية ومكوناتها، ويركز على لغة الكاميرا من حيث لقطات وحركات الكاميرا وزواياها، الصورة الصحفية، ومعايير الصورة الصحفية الناجحة، التخطيط لصورة صحفية مقنعة، الجوانب الإبداعية في التصـوير الرقمي، ونماذج من شـخصـيات صـحفية عالمية، تأثيرات الصـورة في نقل الحدث، والبرمجيات المسـتخدمة في التعامل مع الصـور الرقمية، ويقدم نماذج وتطبيقات عملية.

توصيف المساق: الكتابة للعلاقات العامة PRL234

يتناول المسـاق مبادئ الكتابة للعلاقات العامة، والفروق الأسـلوبية بين الكتابة للعلاقات العامة والكتابة الصـحفية، ويركز على كتابة البيانات الصـحفية، وكتابة الخطابات والرسـائل، وكتابة إعلانات الخدمة العامة، وكتابة نصـوص العروض التقديمية، وكتابة نصـوص الأفلام الوثائقية، ونماذج دراسية متنوعة.

توصيف المساق: تطبيقات إحصائية في الإعلام235 COM

يهدف هذا المساق إلى تعريف الطالب بالمفاهيم الأساسية في علم الإحصاء بنوعيه الوصفي والتحليلي وطرق تمثيل وعرض البيانات مع إعطاء نماذج تطبيقية على استخدام هذا العلم لمعالجة البيانات الإحصائية لتفسيرها تفسيراً يعتمد على الأرقام والوقائع.

توصيف المساق: الاتصالات الاستراتيجية COM270

يتناول المساق مفهوم الاتصال الاسـتراتيجي في المؤسـسـات الحكومية والخاصـة، وعناصـر التخطيط الاسـتراتيجي في الاتصـالات الاسـتراتيجية، والخطط التشـغيلية في الاتصـالات الاسـتراتيجية، وبناء السـمعة والهوية المؤسـسـية في الاتصـالات الاسـتراتيجية، وبحوث السـوق والجمهور، والمكونات الإعلامية والإدارية للاتصالات الاستراتيجية الاستراتيجية، ونماذج وحالات دراسية.

تتوصيف المساق: الاتصال الدولي COM320

يتطرق المسـاق إلى مفهوم الإعلام الدولي، والنظام الإعلامي الدولي القديم والجديد، وقنوات وأدوات الإعلام في عصرـ العولمة، ودور الإعلام في العلاقات بين الدول والشـعوب، والدبلوماسـية الإعلامية في عصرـ الإنترنت والفضـائيات، ومؤسـسـات الإعلام العولمي الصـحفية والتلفزيونية والإلكترونية، والهيمنة الثقافية في الإعلام الدولي/ نماذج الإعلام الدولي الناشئة، وحالات دراسية في الإعلام الدولي.

توصيف المساق: الاتصال عبر الثقافات COM330

يتناول هذا المساق مفهوم الاتصال بين الثقافات في عصرـ العولمة، ووسائل الاتصال بين الثقافات، ونظريات الاتصال بين الثقافات، ومعيقات الاتصال بين الثقافات، وحوار الحضارات والأديان، وحالات دراسية للنقاش.

توصيف المساق: إدارة العلاقات العامة PRL331

يتناول المساق نماذج الإدارة الكلاسيكية والحديثة، والهياكل التنظيمية في العلاقات العامة، والموارد البشرية والمالية المساندة، والتخطيط في العلاقات العامة، الخطط الاستراتيجية والتشغيلية، وتنسيق الأنشطة والفعاليات الأحداث الخاصة، كما يغطي بناء العلاقات التشاركية مع المؤسسات والمجتمع، وتعزيز قنوات الاتصال الداخلية والخارجية، تقييم العمل في العلاقات العامة، نماذج وحالات دراسية.

توصيف المساق: العلاقات الدولية POL331

يتضمن المساق العديد من الموضوعات المتعلقة بواقع العلاقات السياسية الدولية، وذلك من خلال التعريف بطبيعة البيئة الدولية، ومفهوم القوة كمفهوم أساس لعلم العلاقات الدولية، والعوامل المشكلة لقوة الدولة في المجال الدولي، بالإضافة إلى التعريف بخريطة توزيع القوى الدولية (النسق الدولي وصوره التاريخية)، وصولا إلى ما أفرزه عالم ما بعد انتهاء الحرب الباردة من ظواهر دولية حال العولمة، وصراع الحضارات، والتحول الديمقراطي، وتراجع مفهوم السيادة القومية وغيرها. كما يتعرض المساق للمناهج المختلفة ومحاولات التنظير المتصلة بتحليل وتفسير السياسة الدولية.

توصيف المساق: الجغرافيا السياسية GEO333

يُعالج المقرر العوامل المؤثرة في نشأة الدول وتوسعها، ثم دراسة الشكل النهائي للدولة وما يترتب على ذلك من مشكلات مع جيرانها . ويلقي الضوء على الظروف الطبيعية والموارد سواء الطبيعية أو البشرية التي تؤثر على قوة الدولة أو ضعفها . ويهتم المقرر بإلقاء الضوء على النظريات الخاصة بالإستراتيجية، سواء على مستوى الدول أو العالم ككل ومشكلات الحرب والسلام.

توصيف المساق: العلاقات العامة الدولية PRL335

يتناول المساق العلاقات العامة كنشاط إنساني واتصالي عابرللحدود ومعولم، ويغطي أنواع ومستويات العلاقات العامة الدولية، وكذلك الأبعاد الثقافية والاجدتماعية للعلاقات العامة الدولية، كما يركز على القضايا الساخنة في العلاقات العامة الدولية، وإدارة العلاقات العامة الدولية في عالم متعدد الثقافات، مع معالجة تجاربوحالات دراسية منتقاة.

Public Relations Cases PRL336

The course surveys a wide ranging case studies and experiences in public relations from around the world. It covers material covers a variety of issues handled by PR departments such as oil spills; medical fiascos; power failures; consumer fraudulence and others. Case study field reports by students. Case studies are also included.

Online Public Relations PRL340

The course discusses the Internet as a communication tool. It defines virtual public relations and the principles and techniques of online public relations. It also covers managing public relations functions online. It surveys the online PR practitioners; virtual PR in the UAE with cases studies.

توصيف المساق: اللغة العربية والإعلام COM401

يتناول المساق الخصائص اللغوية للإعلام باللغة العربية ، مع إبراز المصطلحات وقواعد الكتابة اللغوية السليمة في الكتابة الإعلامية لمختلف الوسائل. ويناقش المساق نماذج متنوعة لاستخدامات اللغة العربية في وسائل الإعلام وكيفية معالجتها، كما يتطرق لأساليب التعامل مع الأخطاء اللغوية الشائعة، ويتضمن تدريبات عملية ونماذج تطبيقية.

توصيف المساق: الإعلان وسلوك المستهلكCOM402

يتناول المساق مفهوم سلوك المستهلك وعملية اتخاذ القرارات الشرائية وتجزئة السوق وتصميم الموقع التنافسي ـ للمنتج ، وتاثير ثقافة المجتمع والطبقة الاجتماعية والأسرة على سلوك المستهلك، والجماعات المرجعية في الاستهلاك، والظروف المحيطة بالموقف الشرائي، ودوافع السلوك الاستهلاكي، مع مناقشة حالات دراسية متنوعة.

توصيف المساق: علم النفس الاجتماعي SOC409

يهتم المقرر بدراسة النظريات النفسية التي تفسر أسس التأثير المتبادل بين الفرد والجماعة ونظرية الدور في السلوك الاجتماعي ومفهوم الذات والتعصب والتحيز وديناميات الجماعة والاتجاهات، كما يتناول المقرر استعراض بعض البحوث والدراسات والتطبيقات في مجال علم النفس الاجتماعي .

توصيف المساق: قوانين وأخلاقيات الإعلام COM410

يتناول المساق القيم الأخلاقية والمعنوية في المجتمع، والأسس القانونية لتنظيم التعبير والعمل الصحفي، ويغطي الخصوصيات الثقافية للقيم الأخلاقية، كما يستعرض تطور أخلاقيات الإعلام عبر التاريخ، أخلاقايت الإعلام كموضوع نسبي في العالم، والمواثيق الأخلاقية في المؤسسات الإعلامية، وقضايا حرية التعبير والمسؤولية الاجتماعية في التشريعات الإعلامية، الخصوصية وحقوق المؤلف وحقوق الوصول للمعلومات وحماية الصحفيين، والحفاظ على سرية المعلومات، والقوانين والتشريعات الإعلامية المقارنة.

توص**يف المساق: الاتصال التنظيمي PRL 414**

تعريف الطلبة بمفهوم وعملية الاتصال التنظيمي ومستوياته وتاثيراته في أداء المؤسسات الحكومية والشركات.

توصيف المساق: تدريب ميداني علاقات عامة PRL420

تعريف الطلبة بمفهوم وعملية الاتصال ومستوياته وتاثيراته والأدوار البارزة للمؤسسات الإعلامية في المجتمعات المعاصرة.

توصيف المساق: الوسائط المتعددة MMD424

يتناول المساق تعريف الوسائط المتعددة، والاندماج الإعلامي، والعناصر الفنية للوسائط المتعددة، والفيديو والنصوص والصور والرسومات والصوت، كما يتناول استخدامات الوسائط المتعددة في التعليم والإعلام والتجارة، وتخطيط أعمال الوسائط المتعددة، وأنواع الوسائط المتعددة، ونماذج وتطبيقات عملية.

توصيف المساق: حملات العلاقات العامة PRL424

يتناول المساق مفهوم حملة العلاقات العامة، وعملية تخطيط حملات العلاقات العامة، وكذلك عناصر حملات العلاقات العامة، والموارد البشرية والفنية المطلوبة، كما يعالج بحوث الجماهير، وعملية إعداد الرسائل الإعلامية والاتصالية، وتنفيذ حملات العلاقات العامة، وإدارة حملات العلاقات العامة، تقييم حملات العلاقات العامة، ويقدم حالات دراسية محلية وعالمية.

توصيف المساق: فن الإقناع COM425

يقدم هذا المساق لمحة سريعة عن نشأة الإقناع وعلاقته بالخطابة كسلوك إنساني يهدف إلى التأثير في الآخرين. وتركز المادة على مجموعة من نظريات الإقناع وعلاقاتها بالاتصال. كما تهدف إلى تقديم نماذج تطبيقية للإقناع واستخدام الوسائل الممكنة للتأثير في اختيارات الآخرين من خلال المصداقية والعواطف والمنطق.

توصيف المساق: الإعلام العربي COM430

يتناول المساق التطور التاريخي للإعلام العربي، وأنظمة الإعلام العربي وفق معايير السياسة، والإعلام الرسمي والأهلي في العالم العربي، ويتناول نماذج الإعلام العربي، والدور السياسي والاجتماعي للإعلام العربية، والإعلام العربي في عصر العولمة. قضايا الإعلام العربية، كما يقدم حالات دراسية.

توصيف المساق: مشروع تخرج علاقات عامة PRL435

يقوم طالب العلاقات العامة، وتحت إشراف مدرس المساق بتنفيذ مشروع تخرج يعكس المهارات والمعارف التي اكتسبها خلال دراسته في تخصص العلاقات العامة.

توصيف المساق: مناهج بحوث الاعلام COM420

يتناول المساق مفهوم البحث العلمي في الإعلام والاتصال، العلاقة بين النظرية والمنهج، البحوث الكمية والكيفية، بحوث تحليل المضمون، بحوث المسح الميداني، بحوث التجربة، بحوث كيفية في تحليل الخطاب ومجموعات التركيز، مراحل البحث العلمي، التعريفات المفهومية والإجرائية، مهارات إحصائية في التحليل، تصميم الاستبانات وصحائف التفريغ، تحديد فئات تحليل المحتوى، نماذج عملية.

BACHELOR OF COMPUTER, COMMUNICATION AND ELECTRICAL ENGINEERING (BSC CPE, CME AND EE) PROGRAMS' COURSE DESCRIPTIONS

MTH 101 Calculus I

Topics in this course includes: Definition of the limit of a function, theorems about limits, Derivatives of algebraic and trigonometric functions, applications of derivatives, Transcendental Functions, Functions of Several Variables.

PHY 101 Physics I

An introductory course in physics with emphasis on vectors, motion and newton's laws, work, energy and momentum, rotation of rigid bodies, dynamics of rotational motion, equilibrium and elasticity, periodic motion, fluid mechanics and thermodynamics.

CHM 101 Chemistry For Engineers

This course is designed to give students a comprehensive knowledge of ionic compounds, names of compounds, hydrates, electronic structure and the periodic table, types of bonds, chemistry of the metals, chemistry of semiconductors, introduction to organic chemistry and alkenes and alkynes.

ENG 101 Introduction to Engineering

This course is intended for beginning students in different branches of engineering. The course begins with a brief history of engineering, followed by definition of engineering and description of functions and career paths for various branches of engineering, professional responsibilities of engineers, creativity and learning process, engineering design methods, ways of successful engineers communication with their supervisors, common mathematical procedures to the solution of engineering problems and importance of engineering society.

MTH 102 Calculus II

Topics in this course includes: The definite and indefinite integrals and their applications, Polar coordinates, double and triple integrals in rectangular and polar coordinates, infinite sequences and series definitions, sequences, tests for convergence, power series expansion of functions, Taylor series of a given function, Laurent series and Fourier series.

PHY 102 Physics II

This course is designed to give students a comprehensive knowledge of electric charge and electric field, capacitance, dc circuits, magnetic fields, electromagnetic induction, inductance, electromagnetic waves and optics

MTH 103 Discrete Mathematics

Review of propositional and predicate logic; methods of theorem proving; strong and weak induction; finite and infinite sets, set operations; introductions to computational complexity, theta and big-O notation; combinatorics, including permutations and combinations; discrete probability and binomial distribution

MTH 201 Differential Equations

Topics of this course includes: Ordinary Differential Equations, Laplace Transform, Inverse Laplace Transform, Laplace Transform of derivatives and integrals, to partial differential equations (PDE), first order PDE (linear and non-linear), and second order PDE

CPE 201 Computer Programming Fundamentals

This course is designed to provide an introduction to computer programming which emphasizes using the computer in systematic and effective manner by using a programming language. The course is an introductory programming subject that orients students to programming concepts and logic without assuming any previous programming experience. Programming is a foundational skill for all computing disciplines. It covers fundamental programming concepts, event-driven programming, object-oriented programming, basic data structures, and algorithmic processes.

ELE 201 Circuit I

This course covers basic concepts of circuit and systems. Topics include: System of Units, Basic Quantities, Circuit Elements, Ohm's Law, Kirchhoff's Laws, Voltage and Current Division, Series and Parallel Resistor Combinations, Circuit with series and parallel resistance combinations, Circuits with dependent (controlled) sources, Nodal and Loop Analysis Techniques, Network Theorems, Circuits with Operational Amplifiers, Circuits with Capacitance and Inductance and Transient Analysis

ECN 201 Engineering Economy

This course aims to introduce the importance of engineering economy, the principles of engineering economy, engineering economy and the design process, accounting and engineering economy, cost estimating, types of costs, the general economic environment, relationship between price and demand, total revenue function, breakeven point relationships, maximizing profits/minimizing costs, cost driven design optimization, return to capital, origins of interest, simple and compound interests, concept of equivalence, cash flow diagrams / tables, interest formulas, arithmetic and geometric sequence of cash flows, interest rate that vary with time, nominal versus effective interest rates, continuous compounding, applications of money-time relationships

MTH 202 Linear Algebra

Topics of this course Include: Matrix theory and Linear Algebra, dot and cross products, vector calculus, Gradient, Divergence, and Curl, and Fourier analysis. Software Package such as MATLAB is utilized to solve numerous problems to enhance the student's understanding of the material

ELE 202 Digital Logic Circuits

The course introduces the concepts of Boolean Algebra and Logic Gates. Topics Include: Basic Theorems and Properties of Boolean Algebra. Boolean Functions. Canonical and Standard Forms, Simplification of Boolean Functions, Combinational Logic Circuits, flip flops, shift registers, counters, and basic computer building blocks such as adders, MSI and PLD Components and Sequential Logic Circuits. Students are required to design and test assigned projects about combinational and sequential logic circuits using VHDL or Verilog and simulate digital circuits on FPGA board

CPE 202 Fundamentals of Networking

This course will help students to select, design, deploy, integrate, and administer network and communication infrastructures in an organization. The course covers data communications, telecommunications, inter/intranetworking, and infrastructure security. It also includes application of networking to multimedia, information storage and distribution, and the World Wide Web.

ELE 203 Engineering Programming and Analysis

Topics in this course includes: Specialized programming exercises and projects for solving engineering problems, Programming with MATLAB, SIMULINK analysis, Introduction to commonly used tools and libraries in MATLAB, Finally LabVIEW programming, front panels and block diagram.

CPE 203 Data Structure

This course introduces the different techniques of algorithm design. It covers Abstract Data Types (ADT); also the linear and non-linear structures. Linear structures such as: Arrays (one-dimensional and Multidimensional), Lists, stacks, and Queues. Non-linear structures such as: Trees, Graphs, Tables, Sets. It also covers Recursion, elementary sorting and searching methods: bubble sorting, quick sorting, sequential search, and binary searching algorithms.

ELE 204 Circuit II

This course covers basic concepts of circuit and systems. Topics include: introduction to AC circuits, impedance and admittance, sinusoidal waveforms, rms value, phasors and phasor diagrams, series and parallel circuits, sinusoidal steady-state analysis, steady-state response with sinusoidal excitation, the phasor method, nodal and loop (mesh) analysis of circuits with sinusoidal excitation, application of circuit theorems, transient analysis of circuits with sinusoidal excitation, frequency response of simple circuits, series and parallel resonance, mutual inductance, dot rule for coupled coils, analysis

of magnetically coupled circuits, two- and three-phase systems, Star-Delta and Delta-Star Transformations, three-phase system voltages, balanced three-phase y- and □-connected loads

MTH 301 Probability and Statistics

This course introduces the recent growth of statistics and, in particular, its applications to problems of engineering, analysis of uncertainty and risk for engineering applications. Fundamentals of probability, random processes, statistics, and decision analysis are covered, along with random variables and vectors, uncertainty propagation, conditional distributions, and second-moment analysis. Other topics covered include Bayesian analysis and risk-based decision, estimation of distribution parameters, hypothesis testing, simple and multiple linear regressions, and Poisson and Markov processes.

ACE 301 Instrumentation and Measurements

This course will help students to understand the theory of operation of electrical, electronic and digital instruments and their practical use for various types of measurements. The students also learn about different kinds of transducers/sensors and how they can be utilized for measuring non-electrical quantities to presents basic measurement concepts, sources and types of measurement errors, sources of noise and interference. They will also study DC and AC Bridges and their applications. Analog DC and AC meters. Oscilloscopes: types, specifications, operation, measurements with oscilloscopes. Electronic voltmeters, digital multi-meters, electronic counters. Transducers and their applications in measurement systems.

SGE 301 Advanced Electronic Circuits

This course presents the Metal-Oxide Semiconductor (MOS) devices, including structure, capacitor, threshold voltage, C-V characteristics, MOSFET: Physics of operation, I-V relation, and transistor parameters, Transistor as an amplifier: theory, analysis, and design, frequency response of BJT and FET amplifiers, loading effects in amplifiers, feedback amplifiers and oscillator circuits, operational and power amplifiers

CPE 301 Network Communications and Security

The course will familiarize the students to the different protocols of controls data and multiplexing. The course also covers Circuit Switching and Packet Switching Routing in Switched Networks. Students will demonstrate the network security threats as well as the network security techniques.

CME 301 Communication Systems

Topics in this course includes: review of signals and systems, Amplitude Modulation (AM) principles, power spectral density, channel modeling, linear and nonlinear distortion, filters, frequency

conversion, quadrature amplitude modulation, single sideband, power distributions, spectrum of AM signals, Frequency Modulation (FM), phase modulation PM, relation between FM and PM, FM versus AM, FM modulation and demodulation circuits, principles of digital communications, sampling, quantization, coding, pulse code modulation, delta modulation and time division multiplexing.

ELE 301 Electronic Circuits

This course presents the properties of Semiconductor Materials, Semiconductor Diodes, Bipolar Junction Transistor (BJT), Junction Field Effect Transistor (JFET), Transistor configurations, Analysis and design of transistor amplifier circuits.

CPE 302 Operating System

This course will introduce the core concepts of operating systems, such as processes and threads, scheduling, synchronization, memory management; file systems, input and output device management. The course will consist of weekly lectures, quizzes, a midterm and final exam. The goal of the course is to introduce the core concepts. Students are expected to read the assigned materials prior to each class, and to participate in in-class discussions.

CME 302 Electromagnetic Fields and Wave Propagation

Topics in this course includes:, Coulomb's Law, Gauss's Law (Electric Flux), Ampere's Circuital Law (Magnetic Flux), transmission line propagation, free space propagation (plane waves), basic antennas, and topics such as Electric fields in materials, Time-varying Fields & introduction to Maxwell's Equations and Uniform Plane Wave Propagation.

ELE 302 Signal and Systems

Topics in this course includes: Continuous-Time Signals, Continuous-Time and Discrete-Time Systems and System Properties, LTI Systems, Fourier Transform Properties, convolution, transfer functions, Fourier series, and frequency response Laplace Transform and Inverse Laplace Transform, and Z-Transform and Inverse Z- Transform.

CPE 303 Computer Architecture and Organization

This course is designed to give students a comprehensive knowledge of computer architecture at the hardware and software levels; memory locations and operations, addressing modes, instruction types, programming in assembly language, CPU basics, registers, control unit, cache memory, main memory, virtual memory, read only memory, RISC/CISC evolution cycle, and introduction to multiprocessors.

ELE 303 Introduction to Microprocessors

Topics in this course includes: Introductory concepts to microprocessors, Internal microprocessor architecture, Memory and I/O interfacing, memory address decoding, microprocessors vs. microcontrollers, PIC Microcontrollers.

ELE 304 Digital Signal Processing

Topics in this course includes: Review of discrete time signals and systems including topics such as the Z transform, the discrete time Fourier transform, the FFT algorithm, and digital filter structures such as FIR and IIR filters transform-domain representations of signals, transform-domain representations of LTI systems and digital filter design and structures.

ELE 305 Control Systems

This course presents basic concepts of control systems and different analysis techniques. Students will learn how to design and analyze the performance of feedback control systems. The course covers characteristics, time response, steady-state error, open loop and closed loop concepts, transfer function, time domain, frequency domain, stability of linear feedback control systems, Root Locus method, Bode diagram, design with the PD, PI, and PID controllers. Performance evaluation of feedback control systems. Compensation: phase-lead, phase-lag and lead-lag compensation.

ELE306 Electrical Machines, Drives and Power Systems

This course presents basic concepts of electrical machines and power systems. Students will learn how theory, operation and utilization of various components of electrical power system. The course covers Magnetic circuits. Hysteresis. Permanent magnets. Electromagnetic conversion, Transformers, AC and DC machines. The course will introduce power systems, basics of generation, transmission, and distribution of electrical energy. Control of power and frequency. Control of voltage and reactive power. Introduction to load-flow studies and power system stability. Basics of power system protection

ENG 400 Internship

Pre-work experience to apply knowledge gained during the course of the program to real world context. This course intends to improve curriculum related experience. At this level, students are expected to engage and take responsibility as Engineering professionals to support the organization and society.

ENG 401 Engineering Design Project I

To enhance students' ability to integrate Engineering solutions in designing, implementing and testing a realistic project. Students are expected to include project proposal, feasibility studies, intellectual property, teamwork, budgets, and schedule management for their project. This course also intends to

improve students' presentation skills and provides them a chance to further extend their planning, coordination, and problem-solving skills and engage in continuing professional development while working as members of a project team.

ELE 401 Digital Image Processing and Applications

Topics in this course includes: Review of basic theories and methodologies of digital image processing, Image fundamentals, image enhancement, Spatial domain filtering, Image Frequency Transformation, Color and Multichannel image processing, Image restoration, Geometric transformation, Image segmentation and digital video processing applications and extensive use of MATLAB image processing toolbox.

SGE 402 Renewable Energy

This course will introduce students all forms of renewable energy, from biofuels and geothermal energy to wind, hydro, and solar power. It also discusses nuclear power and fossil fuels, allowing them to compare and evaluate the advantages and shortcomings of renewable energy. In addition, it explores four overarching topics that go beyond a specific type of energy, namely, energy conservation, energy storage, energy transmission, and energy policy, and examines the important issue of climate change.

ACE 402 Automatic Control Systems

Topics in this course includes: introduction to Automatic systems control using PC's and microcontrollers, its applications and advantages, fundamentals of data acquisition, sensors, measurement errors, signal conditioning, field wiring and signal measurement, noise and interference, serial and parallel data communication standards, distributed and stand alone controllers, IEEE 488 standard, open and closed loop control and universal serial bus.

ENG 402 Embedded Systems

This course is designed to provide students with the basic understanding of embedded systems design. This includes system specifications and requirements, system architectural and implementation, real-time applications, includes embedded system types, microcontroller architecture, programming , I/O interfacing, task scheduling, interrupt management and other related topics..

CME 402 Digital Communications

Topics in this course includes: Review of Random Processes, Analog Pulse Modulation (PAM, PWM and PPM), and TDM, concepts of baseband PAM transmission including pulse shaping and the Nyquist criterion for zero inter-symbol interference, bandpass techniques and noise analysis, noise in

digital modulation techniques and error probability analysis Baseband, pulse transmission, passband digital transmission, signal and system models of binary and M-level ASK, FSK, PSK and DPSK , spread spectrum communication, pseudo-noise sequence, direct sequence spread spectrum and frequency-hop spread spectrum.

ELE 402 Systems Instrumentation and Control

Topics in this course includes: introduction to systems instrumentation and control using PC's and microcontrollers, its applications and advantages, fundamentals of data acquisition, sensors, measurement errors, signal conditioning, field wiring and signal measurement, noise and interference, serial and parallel data communication standards, distributed and stand alone controllers, IEEE 488 standard, open and closed loop control and universal serial bus.

ACE 403 Digital Control Systems

This course will help students to understand of digital control systems and to enable them to utilize mathematical and software tools for analysis, design, and performance evaluation of such systems. The students also learn about Discrete-time signals and systems, solution of difference equations by Z-transform. Sampling and reconstruction, zero-order hold equivalence, sampled-data systems, stability tests, state-space methods. Control system design parameters: dynamic response parameters and steady-state parameters; conventional design tools: root-locus and Bode diagram; compensation: phase-lead, phase-lag, and PID controller. Second-order and high-order digital controller structures. Software and hardware implementations of digital controller.

SGE 403 Smart Grid Applications and Technologies

This course will introduce students to an overview of the technologies required for the Smart Grid, its importance and applications, Information and Communication Technologies, Smart metering and demand-side integration, Distribution automation equipment, Distribution management systems, Transmission system operation and Energy storage.

ENG 402 Engineering Design Project II

To enhance students' ability to integrate Engineering solutions in designing, implementing and testing a realistic project. Students are expected to include project proposal, feasibility studies, intellectual property, teamwork, budgets, and schedule management for their project. This course also intends to improve students' presentation skills and provides them a chance to further extend their planning, coordination, and problem-solving skills and engage in continuing professional development while working as members of a project team.

ELE 403 Robotics and Simulation

Topics of this course includes: introduction to robotics with a brief history of developments in this field, applications, explanation of various parts of a robot, robot kinematics, motion analysis, degrees of freedom, sensors characteristic, actuating systems, hydraulic devices, pneumatic devices, electric motors, microprocessor control of electric motor, image processing and analysis with vision systems, programming languages for robots, artificial intelligence in robots, fuzzy logic and its applications in robotics

ACE404 Robotics and Simulation

Topics of this course includes: introduction to robotics with a brief history of developments in this field, applications, explanation of various parts of a robot, robot kinematics, motion analysis, degrees of freedom, sensors characteristic, actuating systems, hydraulic devices, pneumatic devices, electric motors, microprocessor control of electric motor, image processing and analysis with vision systems, programming languages for robots, artificial intelligence in robots, fuzzy logic and its applications in robotics

SGE 404 Digital Systems

This course introduces design methodologies for implementing digital systems in programmable logic. The students will learn how a Hardware Description Language (HDL) is used to describe and implement hardware. The topics include behavioral modeling, dataflow modeling, structural modeling and design verification. Students will also learn about computer-aided synthesis and implementation for PLDs and FPGAs design. Practical exercises lead the students through the complete programmable logic design cycle. Each student will prototype a digital system starting with VHDL entry, functional and timing simulations, logic synthesis, device programming, and verification.

CPE 404 Computer Hardware Design

Students will also learn about computer-aided synthesis and implementation for PLDs and FPGAs design. Practical exercises lead the students through the complete programmable logic design cycle. Each student will prototype a digital system starting with VHDL entry, functional and timing simulations, logic synthesis, device programming, and verification.

CME 404 Wireless Communications

Topics in this course includes: Introduction to Cellular Mobile Radio Systems, Definition of terms and Cellular concept, new trends in mobile communications, frequency reusing planning, channel assignment strategies, Radio Wave Propagation, Shadowing and Fading, Small Scale multipath propagation, Multiple Access Techniques For Mobile Communication, first generation (1G), analog cellular, Second-generation (2G) cellular systems (GSM), Third-generation (3G) cellular systems (UMTS) and New Trends in Wireless Communication.

ELE 404 VLSI Design and Fabrication

Topics of this course includes: basic concepts, General VLSI System Components, VLSI design hierarchy, design flow examples, VLSI chip types, basic and complex logic gates in CMOS, integrated circuit layers, sheet resistance, time delay, CMOS layers, Overview of Silicon processing, material growth and deposition, physical design and limitations, dynamic CMOS logic circuits, and large-scale physical design.

CPE 405 I/O Interfacing

This Course is designed to introduce students to different types of I/O Interfacing including ISA, EISA, PCI, PXI busses, Parallel Port interfacing. Serial Port Interfacing. USB Port interfacing, IEEE 488 (GPIB) and RS-232 standards, Hardware and software interrupts, programmable interrupt controllers, DMA control and DMA controllers. Applications for I/O Interfacing using different kinds of sensors/transducers.

CME 405 Applied Telecommunication Systems

Topics in this course includes: the history and future of telecommunications, telecommunication fundamentals and transmission media characteristics, transportable earth stations, performance and testing, fault detection, Video Modulator and Demodulator Operations, antenna development, , circuit switching concept, digital switching in an analog environment, essentials of traffic engineering, traffic measurements and performance, network synchronization and management, satellite communications, and fiber optic communications.

ELE 405 Fuzzy Logic and Neural Networks

Topics of this course includes: An introduction to Fuzzy Logic and Neural Networks history, applications, and implementations, Fuzzy logic basic creation rules, operations, Neural Networks fundamentals, Artificial Neural Network Architectures, Training Algorithms. Genetic Algorithm and Evolution Computing, Combining Neural and Fuzzy, Fuzzy control systems, and finally implementation and applications.

ACE 406 Power Systems Protection and Control

This course will introduce students to power system apparatus, its operation, protection, and control. It also aims to develop their abilities in analysis and design of power system protection and control systems. They will also study Load flow analysis, balanced three-phase faults and analysis of power system during short circuits. Primary and backup protection systems. Different types of protective relays and their operating principles. Protection of transmission lines, transformers, bus-bars, and

generators. Pilot relaying, digital relays. Power system control: load frequency control, automatic generation control, reactive power and voltage control.

SGE 406 Power Electronics and Power systems

This course will introduce students to the characteristics and operation of power semiconductor devices and demonstrate how these devices are utilized for control and conversion of electric power. They also learn Power diodes and power transistors: BJTs, MOSFETs, IGBTs, and SITs. Thyristor, thyristor firing circuits, triggering circuits using UJTs and PUTs. Analysis and design of single-phase/three-phase half-wave/full-wave uncontrolled/controlled rectifiers with resistive and inductive loads. AC voltage controllers: Principles of on-off and phase control, single-phase controllers with resistive load/inductive load. DC choppers: Step-down and step-up operations. Three-phase inverters, DC and AC Drives. Industrial applications.

CPE 406 Web Engineering Design

This course presents basic concepts and techniques related to designing, developing, creation, and maintenance of web pages and websites. Students will learn about web design standards and why they are important. The course covers web interface, website implementation and integration, database integration and accessibility issues.

CME 406 Radar Systems

Topics in this course includes: introduction and early history of radar, basic concepts, applications and block diagram, derivation of the radar equation, review of antenna parameters, design of a simple surveillance radar, range and range ambiguity, doppler and velocity measurements, radar transmitters and detection theory.

ACE 407 Industrial Control Systems

This course will develop students understanding of industrial control systems and enable them to investigate software and hardware solutions for such systems. In addition, students will learn to program PLCs for various industrial control applications and shall determine appropriate parameters for a process control system.

SGE 407 Energy Conversion and Storage

This course will introduce students to the principles of energy conversion and management, Utility Plants and Renewable Sources, Electrical Substations, Basic Principles and Operating Modes of Electrical Machines and Waste and Energy Recovery .

ITG 303 Cloud Computing

This course covers a series of current cloud computing technologies, including technologies for infrastructure, Platform, Software and Physical Systems as a Service. The course will also cover cloud issues and challenges and security. Students will learn to choose a solutions, calculate costs and compare between in-house and cloud solutions.

CME 407 Special Topics In Communications

This course is designed to cover one topic of state-of-art communication aspects. The course is tailored according to market demands and the technology directions. This course will be a placeholder in the calendar where the exact topics for a particular year could be determined at that time and proposed by the instructor. In many cases the courses would be in the area of research of a particular instructor.

SGE 408 Internet of Things

This course will introduce students to the new type of Internet application that endeavors to make the thing's information (whatever that may be) available on a global scale. They will also learn Environment and Traffic Characteristics for IOT, Communication Capabilities, Machine-Type Communications, SCADA systems, Zigbee/IEEE 802.15.4, IPv6 Address Space, and Requirements for Various IPv6 Nodes.

ITG 308 Intelligent Systems

This course provides fundamental concepts of intelligent systems. The course will cover theoretical issues, characteristics, challenges, applications and implementation techniques of intelligent systems. An Overview of different paradigms, symbolic and non-symbolic methods, search algorithms, logical methods for reasoning, Structural Approaches Leading to Natural Language, fuzzy systems Concepts, Connotations, and Applications.

ITG 309 Digital Media

The course will introduce different types of multimedia information: text, audio, images, graphics, video, animation and their characterization; multimedia processing, compression standards and techniques, and multimedia systems. Students will apply tools and techniques to create, capture, digitize, and sample media contents and will develop hands on experience and understanding of current media production and consumption. Students will also learn all features of theory and practices regarding the way media are made.

ITG 406 IT and Society

In this course the students will develop a critical awareness of the responsibilities, concerns, and consequences surrounding the use of IT in social, cultural, and economic contexts. Information

Technology (IT) has changed our society. This course will develop an awareness of these changes and an understanding of the resulting theory and debates.

GENERAL EDUCATION (GED) PROGRAM COURSE DESCRIPTIONS

GED 101 Computer Applications

This course provides the basic understanding of computer applications and foundation skills. It also teaches advanced features and practice of Microsoft Windows, Microsoft Office applications (Microsoft Word, Microsoft Excel and Microsoft PowerPoint), in addition to Google Drive & Office 365 as a cloud option. Students are also expected to practice plagiarism detection and learning management system applications through lab assignments

GED101 – تطبيقات الحاسوب

في هذا المساق سيتم التركيز على جانب البرمجيات Software وهي تطبيقات مبرمجة بلغات الحاسوب المختلفة وتمثل حلقة الاتصال بين الجهاز والمستخدم. تعلم التطبيقات وأهم البرامج الجاهزة الموجهة لخدمة المستخدمين في تنفيذ اعمال محددة، وبخيارات متعددة، مثل معالجة النصوص و العروض التقديمية وتنفيذ العمليات الإحصائية.. وغيرها من المهام، وسنركز على مجموعة التطبيقات التي تصدرها شركة ميكروسوفت، ضمن مجموعة المكتب المعروفة باسم (Microsoft Office)، كونها الأكثر فائدة إلى مؤسسات المعلومات والمكتبات في تنفيذ خدماتها وإجراءاتها.

GED 102 - English Writing Skills

This course is prepared to equip students with written communication skills required for academic performance. Designed for high-intermediate level of English proficiency subjects / students, the course aims at developing overall writing skills that are necessary to cope with university requirements. Its components enhance the skills of paragraph and essay writing, paraphrasing, summarizing and documentation.

GED 103- Advanced English Writing Skills

This course covers major areas of advanced writing skills. It explores areas of pivotal importance, such as types of document writings, argument essays writing, drafting and composing classification essays. It deals with the different techniques of academic and professional writing. It aims to equip students with the writing and reading skills essential to their undertaking of academic work at a university level.

GED 104 – ثقافة إسلامية

يقدم المساق مقدمة شاملة لفهم الإسلام والثقافة الإسلامية، وخلفية تاريخية عن الحضارة الإسلامية، وتحليل القضايا الاجتماعية والسياسية التي تشكل العالم الإسلامي اليوم.

GED105 – ENVIRONMENTAL STUDIES

This course covers basic issues and challenges related to the environment and its impact on health, growth and economic development. It highlights the impact of climate change and industrial pollution on human and economic development and explains the basic principles of environmental sustainability. It examines the social approaches to resolving environmental issues including sustainability, market-based environmental policies, reforms of property systems, and social movements that promote concepts such as environmental justice and deep ecology.

GED 105 – دراسات بيئية

يتضمن هذا المساق التحديات الأساسية المتعلقة بالبيئة وتأثيرها في الصحة والنمو الاقتصادي بالإضافة إلى ذلك يناقش التأثيرات الناتجة عن التلوث البيئى و الصناعي في التغير المناخي كما يفسر المبادئ المهمة للاستقرار البيئي.

GED 106 - Business Mathematics

This course covers the basic mathematical skills that are commonly used in business applications to assist the management in decision making and problem solving. It includes topics like percentage, mark up and mark down, discounts, bank records, payroll, taxes, budgets, data representation by graphs and tax.

GED107 - مجتمع وثقافة الإمارات

هذا المساق يتضمن المميزات الاجتماعية والثقافية للشعب الإماراتي مثل تاريخ وجغرافية الامارات السياسي ،كما يناقش بعض القضايا المهمة التي تواجه مجتمع الإمارات مثل الاختلال السكاني والتحديات الصحية والثقافية والاجتماعية.

GED 108 – Introduction to Arts

This course covers an introductory, straight-forward, and response-oriented overview of the arts. Students will develop confidence in approaching the arts and will gain skills that encourage life-long artistic and cultural engagement. The course provides a basic overview of the major artistic disciplines - drawing, painting, printmaking, photography, sculpture, architecture, music, theatre, cinema, dance, and literature.

GED 109 - Critical Thinking

Critical Thinking skill is a key skill useful not only in business decision making, but in all aspects of life. This course focuses on methods and techniques used to improve reasoning and cognitive skills. It covers a wide range of issues related to the thought process in all aspects of daily life and business. This course is also designed to serve as methodical preparation for more effective reasoning and improved cognitive skills to be used in business and organizational paradigm.

GED 109 - التفكير الناقد

يتطرق المســـاق إلى تعلم كيفية التفكير النقدي باعتباره مهارة مهمة تســـتخدم في اتخاذ القرارات في جميع مجالات الحياة، كما يركز في طرقه ومساراته المستخدمة لتطوير المعرفة النقدية وتوظيفها بعملية التفكير اليومي في أمور الإدارة والأعمال، وصمم المساق لتزويد الطلبة بأساليب التحليل النقدي والمعرفي الفعالة.

GED 151 - كتابة احترافية

صُمم هذا المساق لتمكين الطالب الناطق باللغة العربية من المهارات اللغوية الضرورية، وخاصة التركيز على خطوات كتابة التقارير والرسائل الإدارية والبحوث المنهجية؛ ولتحقيق ذلك جاءت المهارات متنوعة ومتدرجة، لتنمية قدرات الطالب على الفهم الصـــحيح والأداء المتميز لما يقرأ ويســمع، وليكتســب القدرة على كتابة المقالات والتقارير ومحاضر الاجتماعات وتوصـيات المؤتمرات والندوات بصـورة سـليمة، لذا عُني المســاق بتدريب الطالب على المهارات الأســاســـية للكتابة: كقواعد الإملاء المتعددة وعلامات الترقيم ونظام الفقرة وكتابة المقال على نحو متدرج والاهتمام بجوانب النحو والصرف.

GED 152 - الكيمياء في حياتنا

يتناول المساق علاقة الإنسان بالكيمياء عبر عصور تاريخية طويلة، موضحاً تعمق هذه العلاقة و امتداد جذورها في العصر الحاضر، كما يتناول المساق الجوانب النافعة و الضارة للكيمياء. ثم يُلقي المساق الضوء على توسع التكنولوجيا الكيميائية و تطبيقاتها و امتدادها إلى كافة مناحي الحياة ، في السلم و في الحرب و كيف ان هذا النمو و التصاعد في حجم التكنولوجيا الكيميائية قد أبرز أنواعاً جديدة من المشكلات تتولد في معظمها مما تحدثه النشاطات الكيميائية من إخلال بالتوازنات الإيكولوجية الطبيعية، أو استنزاف لخيرات الأرض، أو تهديد لصحة الإنسان، و من جديد يستعرض المساق كيف أن الإنسان لم يجد إلا الكيمياء لتقدم الدواء لبعض ما خلفت الكيمياء من أدواء.

GED 153 - علم الفلك

يهدف المســـاق إلى إتاحة الفرصـــة لطلاب كلية العلوم الإنســـانية للتعرف على ماهية الكون و محتوياته من أنظمة و عوالم و مجرات و اجرام سماوية مختلفة. سيدرس الطلاب المجموعة الشمسية و كواكبهاالمختلفة، ثم يتلقون نبذة مختصرة عن المذنبات و الشهب و النيازك. كما سيتطرق المساق إلى القمر و حساباته الفلكية العلمية، و تحديد الشهور الهجرية و التقويم الهجري إضافة إلى ظاهرتي الخسوف و الكسوف. و اخيراً يناقش المساق دورة حياة النجوم، المجرات و العناقيد النجمية و السدم.

GED 154 - مصادر الطاقة

مقدمة شاملة لفهم مصادر الطاقة في العالم الطاقة من تحت الارض و الطاقة المتجدده والطاقة النووية وطرائق استخداماتها وامثلة توضح هذه المصادر وخاصة في دولة الامارات العربية المتحده والعالم.

GED 110 – Innovation and Entrepreneurship

This course introduces students to the concepts of creativity, innovation and entrepreneurship and the way they interrelate to produce jobs and wealth in today's world. Throughout this course, students will gain an understanding of major theories and models related to innovation management and entrepreneurship, innovation sources and dynamics and the important skills and attributes required to succeed in today's market environment. The course also aims at developing students' skills in communication, critical thinking, problem solving and teamwork in a way that maximizes their ability to act as effective employee or self-employed entrepreneurs.