College of Computer in Al-Qunfudhah

Umm Al-Qura University

In 1949 (1349H), King Abdulaziz established the College of Shari'a (Islamic Law) in Makkah Al-Mukarramah, making it the first higher education institution in the country. It constituted the kernel of Umm Al-Qura University (UQU) and its most prominent college. Henceforward, the establishment of higher education institutions continued. Among them, Umm Al-Qura University is distinguished by its unique location in the holy city, and its academic reputation in the fields of Islamic studies and modern applied sciences.

Dean Message

The College of Computer in Al-Qunfudhah is one of the scientific edifices of Umm-Al Qura University in Al- Qunfudhah governorate, that prides itself on adopting the noble values of Islam. In its establishment, the College was guided by the sublime values and ethics of the eternal message of Islam to contribute to the progress and advancement of our beloved country and to support the labor market with highly professional graduates and computer engineers in different computer related fields. The College has four departments: Computer Science, Computer Engineering, Information Systems and Information Technology. The College seeks to be a beacon for scientific research that enriches humanity and copes with the modern human civilization, and to play a prominent role in supporting creativity and innovation and be a useful source for serving the society in the fields relevant to its majors.

The College was equipped with the latest educational and laboratory equipment and the academic plans were drawn according to:
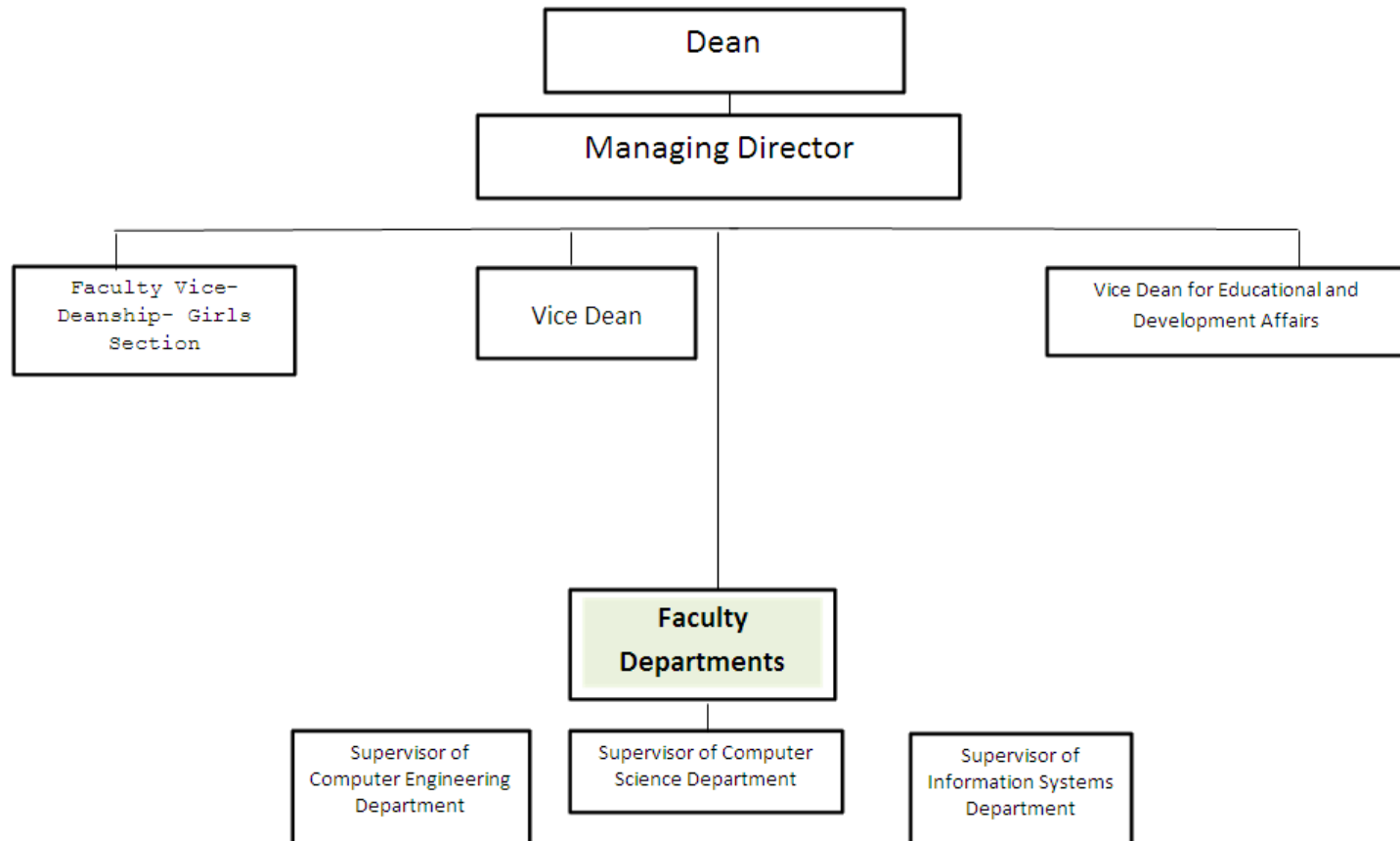
• Modern international technological advancements and labor market needs;

• ABET criteria; and

• NCAAA criteria.

The College has established an advisory board consisting of a number of professional people in various sectors in order to strengthen the relationship between information technology sectors and the College.

Dr. Jaber S. Alzahrani

Dean

ORGANIZATIONAL STRUCTURE

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                          │         Dean        │
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                          ┌──────────┴──────────┐
                          │  Managing Director  │
                          └──────────┬──────────┘
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│  Faculty Vice-   │        │    Vice Dean     │        │ Vice Dean for       │
│  Deanship- Girls │        │                  │        │ Educational and     │
│    Section       │        │                  │        │ Development Affairs  │
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Faculty Departments

| Supervisor of Computer Engineering Department | Supervisor of Computer Science Department | Supervisor of Information Systems Department |

Program Description

Currently, the College of Computer in Al-Qunfudhah offers a program for Bachelor degree in Computer Science (BSc). In addition, it offers a program for Bachelor degree in Computer Science for Education. These programs aim to meet the increasing needs in the Kingdom of Saudi Arabia for qualified labor in Computer specialties and Computer applications. Regarding the other academic sections, such as Information Systems and Computer Engineering sections, these sections are currently under development and academic accreditation.

Admission requirements

Student places at the College of Computer in Al-Qunfudhah are offered through Admission and Registration at Umm Al-Qura University in the branch of Science and Engineering in Preparatory Year. The following is the minimum requirements for acceptance in Preparatory Year:

- The number of accepted students must not exceed the number specified by the University Council.
- Accepted students are ordered descendingly by their Composite Rate which is calculated as follows:
  - 30% General Aptitude Test (GAT).
  - 50% Grade Point Average (GPA) of High School degree.
  - 20% Scholastic Achievement Admission Test (Science).

After completing the Preparatory Year program, students are offered places at the College of Computer in Al-Qunfudhah in different academic sections according to three main criteria, which are student choice, student's GPA in Preparatory Year program, and capacity of the requested academic section. In order to be accepted at the College of Computer in Al-Qunfudhah, students are expected to obtain at least 70% in their Composite Rate, which is calculated as follows:

- 25% General Aptitude Test (GAT).
- 25% The Cumulative Average of The Preparatory Year.
- 25% Scholastic Achievement Admission Test (Science).
- 25% Results of math-140 and math-150 modules in Preparatory Year program.

College of Computer in Al-Qunfudhah

Mission:

Our mission is to prepare scientifically and practically qualified graduates in all Computer related fields, who are able to strongly compete in the labor market and serve their society and all nation institutions and governmental organizations.

Vision:

Achieving distinction in academic programs and scientific research as well as serving the society in all computer related fields on the national level.

Objectives:

The College of Computer seeks to achieve a number of objectives on the scientific, practical and technological levels, including:

- Providing educational programs that meet the society needs.
- Preparing distinguished graduates who will be trustworthy by the recruiting authorities.
- Establishing Islamic morals and values.
- Supporting the staff to successfully carry out their job.
- Creating specialized research groups in all computer related fields.
- Serving the society through offering training courses and consultations.
- Preparing graduates to proceed to post graduate studies in their major.
- Promoting personal skills related to expressing opinions and discussing ideas.
- Promoting creativity and innovation.

Vice Deanship of the College

Overview:

The Vice-Deanship takes part in supervising many of the administrative and academic aspects through ensuring that rules and regulations are enforced, and taking part in drawing development policies and plans to promote the administrative and academic work through filing periodical reports to the College Deanship. The Vice-Deanship has a number of specialized committees and units that carry out specific roles that aim at achieving the College's aspirations of prominence and leadership.

Responsibilities:

- Shouldering the responsibility of the College Council Secretariat and organizing its work.
- Supervising the units affiliated to the administrative affairs.
- Chairing the committees affiliated to the Vice-Deanship and filing reports to the concerned authorities.
- Filing reports to the Dean about the conduct of work in the units under the supervision of the Vice-Deanship and their tasks as well as the difficulties they face, coordinating with the College units in the relevant fields.
- Supervising the financial affairs and petty cash allocated for the Vice-Deanship and programs according to the rules and regulations.
- ;Following up the updates of the College website with information related to the Vice-Deanship and its administrative units; and Carrying out the tasks assigned by the Dean during his absence.

Vice Deanship of the College

Dr. Abdullah A H Alzahrani

Vice-Deanship for Educational and Development Affairs

Overview:

The Vice-Deanship for Educational and Development Affairs is the authority through which the enforcement of regulations and rules is supervised, development policies are drawn and the plans for promoting the academic work and the qualification of graduates, who will take part in the advancement of our great country, are drawn. There are a number of specialized committees and units that carry out specific roles that all aim at realizing the College vision of reaching the highest rankings.

Responsibilities:

First: Educational Affairs:

1- Supervising the enforcement of the University regulations as to admission and transfer conditions.

2- Supervising educational affairs concerning preparing study and exam schedules, excuses and study deferment requests, listing and delisting, lists of students banned from attending exams, graduates list and certificates of equivalency;

3- Supervising student activities committee and contacting the concerned authorities to provide the financial support for out of class activities.

4- Activating academic guidance and assigning an academic guide for each student to help him through the difficulties he might face in the beginning of his educational process or during his study.

5- Continuously updating the study plans to cope with the fast-paced developments in the computer field.

6- Using different evaluation methods to evaluate staff performance and make suggestions to correct any defects to promote the output of the College.

7- Urging members to use the latest technologies and e-learning methods.

8- Supervising facilities of the College halls, labs and supporting services, and following up the maintenance of these facilities.

Second: Development Affairs:

1- Drawing development plans and strategies and establishing the quality concept.

2- Removing obstacles that may hinder the execution of development programs and providing solutions for different problems.

3- Forming specialized committees for carrying out specific tasks, supervising their performance and receiving the quarterly reports from the head of each committee and filing them to the Dean.

4- Supervising the quality, academic accreditation and development committees and following up the plans drawn for getting and renewing the academic accreditation.

5- Communicating with training authorities inside and outside the University for organizing courses and workshops for staff and students to improve their performance and enhance their skills.

6- Communicating with public and private institutions and involving them in evaluating the curricula and policies of the College to guarantee that our graduates meet the requirements of the labor market.

7- Supervising updating and developing the website of the College to be the interface of the scientific departments, programs and activities of the College.

8- Preparing the annual reports of the College and sending them to the competent authorities after its approval by the Dean.

Vice-Deanship for Educational and Development Affairs
Dr. Ateeq AlZahrani

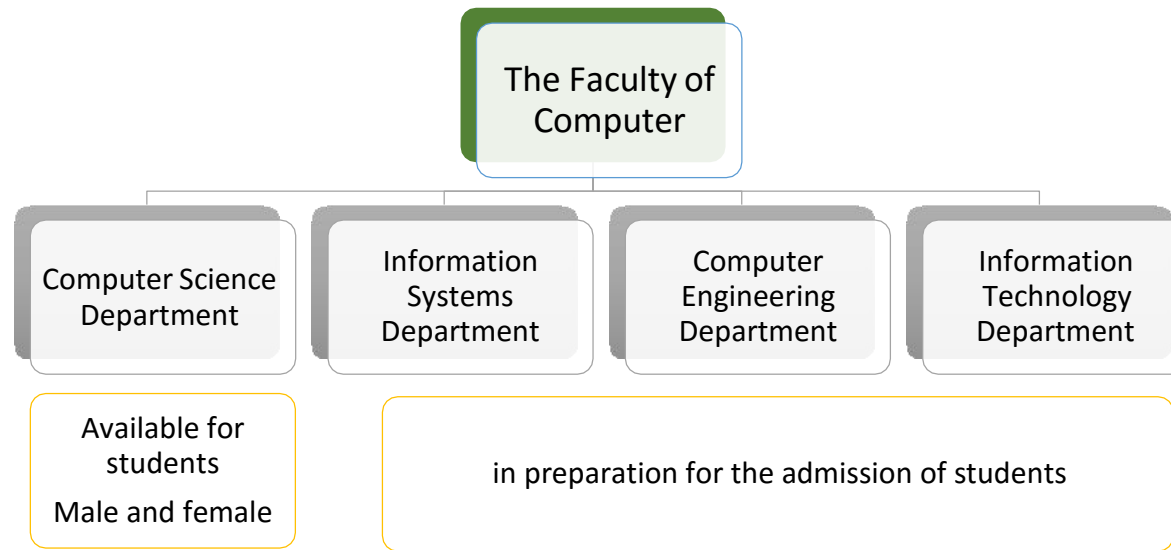**Vice Deanship of the College (For Female Branch)**

Overview:

Vice Deanship of the College (For Female Branch) oversees many of the administrative and organizational tasks in order to reach the desired goal of academic excellence. It also works as a link between the Deanship of the college and the students and faculty members.

Responsibilities:

1 - Supervising the implementation of the strategic plan in relation to female students.

2 - Supervising the running of the educational, research, administrative, financial and cultural affairs in relation to female students.

3 - Coordinating and developing the College relations inside and outside the University.

4 - Taking part in drawing the plans and programs dedicated to developing the administrative and academic performance in coordination and cooperation with the Vice-Presidency for Academic Development and Society Service.

5 - Supervising the provision of all educational, research, administrative and financial requirements of the College.

6 - Supervising the performance of academic departments.

7 - Supervising planning and preparing the budget.

8 - Working persistently to academically and administratively develop the different departments of the College.

9 - Preparing comprehensive periodical reports on the study progress and the professional performance in the Girls' branch and file them to the Dean.

10 - Following up the updates of the College website related to the Vice-Deanship and its affiliated units.

11- Holding meetings with staff and students apart to study their needs and the problems they face and listen to their suggestions; and

Carrying out all tasks assigned by the Dean.

Vice Deanship of the College (For Female Branch)

Dr. Amani Alshuaibi

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│Computer Science││  Information  ││   Computer    ││  Information  │
│  Department    ││    Systems    ││  Engineering  ││  Technology   │
│               ││  Department   ││  Department   ││  Department   │
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| Available for students Male and female | in preparation for the admission of students |

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Computer Science Department

The Computer Science Department at the Faculty of Computer in Al-Qunfudhah offers the Bachelor degree in Computer science (B.Sc in CS) for males and females.

Department Mission:
Providing educational programs with high quality standards in the fields of computer science and applied research and training, to prepare qualified and competencies national personnel.

Department Vision:
Department of Computer Science is looking for achieving excellence education and high-quality scientific research for community development with modern technologies, and providing distinct educational and researching environment to offer the skills that match national, regional and international labor market with the support and participation of the surrounding sectors of business and projects owners.

Department Objectives:

Objective1:   **Practice as computing professionals in various areas of computer science.**

Objective2:   **Enhance their skills through self-directed learning and development, professional training, and further education.**

Objective3:   **Progress successfully in their professional practice.**

Head of Computer Science Department
Dr. Moath M. Najeeb

Department of Computer Science (Female branch)

In the name of God, prayer and peace be upon the Messenger of Allah. Always seek the Department of Computer Science at the Faculty of Computer in Al-Qunfudhah, to provide a suitable environment for the study of high quality and reflected on the side of the students outputs. As scientific competencies and approaches to the latest international recommendations and keep up with the requirements of the labor market are available, in addition to provide the physical requirements of the classrooms and labs. Also, to offer students the support and academic guidance throughout their study. Finally, pull together all members of the academic body with staff and administrators to provide a valid active environment for building personal scientific and student leadership to live a unique experience during their career school and grow up to become a useful member effectively in the community serve their religion and country.

Supervisor of Computer Science Department (Female Branch)
Rosy Hanafieh

Umm Al-Qura University
The Faculty of Computer in Al-Qunfudhah
Date: 1434

Department of Computer Sciences
Year:1434 H
Credit Hours: 156

Study Plan: Computer Sciences Department

1st Year (Preparatory Year) (Total Credits 30)

First Level

No.	Course Title	Prerequisite	credits	lecture	lab
4800170-6	English Language	----	6	16	0
4800150-2	Computer Skills I	----	2	1	3
4800140-4	Introduction to Math I	----	4	4	0
4800130-4	General Physics I	----	4	3	3
	Total		16	24	6

Second Level

No.	Course Title	Prerequisite	credits	lecture	Lab
4800171-4	Technical English Language	4800170-6	4	12	0
4800153-3	Computer Programming Skills	4800150-2	3	2	3
4800141-4	Introduction to Math II	4800140-4	4	4	0
4800104-3	Learning Skills	----	3	6	0
	Total		14	24	3

2nd Year: (Total Credits 32)

Third Level

No.	Course Title	Prerequisite	credits	lecture	lab
6001103-3	Computer Programming	4800153-3	3	2	3
6001213-3	Analysis and logical design	4800153-3	3	3	0
2804251-4	Introduction to Set Theory		4	4	0
6001102-3	Introduction to Information Systems		3	3	0
2804131-3	Principles of Statistics and Probability	2800141-4	3	3	0
	Total		16	15	3

Fourth Level

No.	Course Title	Prerequisite	credits	lecture	Lab
6001104-3	Structured Programming	6001103-3	3	2	3
6001210-3	Discrete Structures	2804251-4	3	3	0
6001211-3	Programming on the Web website	6001103-3	3	3	0
6001214-3	Computer Organization assembly language	6001213-3	3	3	0
2801101-2	Holly Quran I		2	2	0
2807101-2	Islamic culture I		2	2	0
	Total		16	15	3

3rd Year: (Total Credits 32)

Fifth Level

No.	Course Title	Prerequisite	credits	lecture	lab
6001215-3	Computer Architecture	6001214-3	3	3	0
6001105-3	Advanced programming	6001104-3	3	2	3
6001217-3	Logical Programmable	6001210-3	3	3	0
6001431-3	Computers & Society	----	3	3	0
2807201-2	Islamic culture II	2807101-2	2	2	0
2801201-2	Holly Quran II	2801101-2	2	2	0
	Total		16	15	3

Sixth Level

No.	Course Title	Prerequisite	credits	lecture	Lab
6001330-3	Computer graphics	6001105-3	3	2	3
6001311-3	Operating systems	6001215-3	3	3	0
6001231-3	Programming Language	6001105-3 / 6001217-3	3	3	0
6001218-4	Data structures and algorithms	6001105-3	4	3	3
2807301-3	Islamic culture III	2801201-2	3	3	0
	Total		16	14	6

4th Year: (Total Credits 30)

Seventh Level

No.	Course Title	Prerequisite	credits	lecture	lab
6001310-3	Compiler Construction	6001231-3	3	3	0
6001222-3	Systems Analysis and Design	6001102-3	3	3	0
6001417-3	Systems, computer networks	6001311-3	3	3	0
6001227-3	Organization and process files	6001218-4	3	3	0
2801301-2	Quran III	2801201-2	2	2	0
2807102-2	Biography of the Holly Prophet	----	2	2	0
	Total		16	16	0

Eighth Level

No.	Course Title	Prerequisite	credits	lecture	Lab
6001233-3	Development of Internet applications	6001105-3	3	2	3
6001312-3	Basics of databases	6001222-3	3	2	3
6001333-3	Contact the human machine	6001330-3	3	3	0
6001313-3	Software Engineering	6001222-3	3	3	0
2802101-2	Arabic Language	----	2	2	0
	Total		14	12	6

5th Year: Senior (Total Credits 32)

Ninth Level

No.	Course Title	Prerequisite	credits	lecture	lab
6001332-3	Introduction to Artificial Intelligence	6001310-3	3	3	0
6001335-3	Advanced Database	6001312-3	3	2	3
6001419-4	Research Project	6001311-3 / 6001335-3	4	4	0
2801401-2	Holly Quran IV	2801301-2	2	2	0
2817101-4	General Chemistry 1	----	4	3	3
	Total		16	14	6

Tenth Level

No.	Course Title	Prerequisite	credits	lecture	Lab
6001439-4	Research Project	6001419-4	4	4	0
6001334-3	Distributed computing systems and balanced	6001312-3 / 6001311-3	3	3	0
6001432-3	Computer Security Systems	6001311-3	3	3	0
2807401-2	Islamic Culture (4)	2807301-3	2	2	0
2804222-4	Numerical Analysis	4800141-4	4	3	3
	Total		16	15	3

University Requirements | College Requirements | Department Requirements

Department of Information Systems

Department of Information Systems (IS) has been established in 1432 hijri since the beginning of the Faculty of Computer in Al- Qunfudhah with a constellation of other departments. In response to the huge and growing global development of the information system world and supply the needs of local and regional labor market, because of the magnificent and key role computers play in any foundation nowadays.

Department Mission:
Provide graduates with the efficiency and professionalism in the field of information systems, competitors in the labor market and are able to serve the community.

Department Vision:
We look forward to educational and research excellence and community service in the field of information systems, and graduating qualified students, according to the highest quality standards.

Department Goals:
•To prepare plans and study programs to keep up with scientific development in the field of information systems and achieve international and national standards of academic accreditation.
•Seeks to graduate qualified students scientifically, practically and ethically to become national cadres qualified and competitive in the labor market.
•Offers post graduate opportunities for specialized national staff in the field of information systems, scholarships programs can be obtained by bachelor's or master's staff at prestigious international universities and follow their situation closely.
•To establish advanced and modern laboratories keeping pace with the scientific development in the field of information systems and provide an excellent learning environment for the students.
•To encourage the scientific research and supply the needs of local and regional environment, as well as dissemination of knowledge and promotion of research collaboration with local institutions.

Head of Information Systems Department
Dr. Musab Al-Zghoul

Computer Engineering Department

Since its establishment, there are incessant efforts by the University administration and the Faculty employees to have the faculty established according to the latest study plans and curricula in the world to graduate distinguished professional engineers and researchers. Since then, work was set off for establishing the Department that grants the Bachelor Degree in Computer Engineering to meet the market needs.

Department Mission:
Graduating highly qualified and competent computer engineers

Department Vision:
Excellence in the field of computer science and engineering research, and in terms of community service.

Department Goals:
• Providing students with the basic knowledge in all scientific, social and engineering fields.
• Improving the professional abilities of students in analytical and creative thinking.
• Establishing Islamic morals and values through a comprehensive cultural atmosphere with the engineering and educational programs;
• Preparing highly qualified engineers to be up to the great responsibilities and challenges that wait for them in their work places through deep understanding of their anticipated role in carrying out the development plans in the Kingdom.
• Enriching graduates with the practical experience and experimental means.

Head of Computer Engineering Department
Dr. Omar Alzuobi

College Committees

(Joint committees between male and female sections)

Academic Accreditation Committee

- Academic Accreditation Committee is considered as one of the most important committees in the college. It gives the support for all the elements of the educational process. It is a subsidiary of Vice Dean for Educational Affairs and Development, which contributes to:
- Spreading the culture of academic accreditation at the college level through lectures and workshops in coordination with the Unit for Academic Accreditation at the university.
- Help the departments and all faculty in the building clear strategies to achieve the highest level of efficiency of the academic accreditation criteria.
- Determining methods and tools used for assessing the quality of the program.
- Coordinating the analysis of gathered data، development of adequate corrective actions where needed، and plans for their implementation.
- Helping all faculty members in the design of the assessment on the level of the courses and program.
- Coordination with all departments of the college and faculty members in the preparation of reports and other designs and requirements for academic accreditation and conformity to the requirements of Board ABET.
- The development of systems and criteria's, and providing various new models that are used to assess conformity with the requirements of accreditation Board ABET in coordination with the Unit for Academic Accreditation at the university level.

Chairman of the Academic Accreditation Committee

Dr. Ismail Farahat

Committee of Student Activities

Student activities or campus activities is a broad term describing most student-focused extracurricular clubs and programs at a college or university. Student

activities are generally designed to allow students to get more involved and offer them opportunities in leadership,   social responsibility, citizenship,

volunteerism, and student employment. These activities are typically overseen by a Director of Student

Activities, Student Affairs, or Student Engagement who often holds a Bachelor degree in student development or a comparable field. Program directors often

provide guidance for clubs, set standards for student run organizations, and can also help network with other institutions through organizations like the National

Association for Campus Activities (NACA) or the Association for the Promotion of

Campus Activities.

Chairman of Committee of Student Activities

Dr. Bilal Zoubi

Scientific Research Committee

The need for studies, researches and learning today is more intense than ever before. Science and the world are in a competition to reach the greatest possible accurate knowledge that derived from science, which ensures the prosperity for human beings, and to ensure his superiority over the others.

The developed countries pay great attention to scientific research because it realized the greatness of nations lies in the scientific, intellectual and behavioral capabilities of its people. Moreover, scientific research is a fertile field and support of the economy and development of nations, therefore achieving the prosperity of its people and maintains its international standing. Scientific research methodology and its techniques have become one of the things for granted in academic institutions and research centers.

The nature of scientific research:

The subject of scientific research is based mainly on the striving of knowledge, investigating and reaching to it. At the same time, it's dealing with science as a whole and is based on methods and techniques in its means to find out science's facts. When the researcher investigates the facts and information, he/she seeks to bring additions or changes in the fields of sciences, which will effect on its development and progress.

The importance of scientific research to the student:

The purpose of short researches (which were written by a student at the faculty of Computer in Al-Qunfudhah) is to accustom the student to look for facts and discover new horizons of knowledge and to express his/her views freely and frankly. The main goals of writing research paperscan be summarized below:

- To enrich the knowledge of student in certain subjects.
- To achieve self-reliance in studying the problems and make judgments about them.
- To make the student go after methods and approved scientific rules in writing the scientific research

Steps of scientific research:

- First, defining the research problem: it can be done by determining the subject (research problem), ask questions within the time, place, events, people and relationships.

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- Second, collecting information: (from reference books, dictionaries, interviews and questionnaires ...etc) and find out the factors that affect on it or the relations which ties them with other variables and ideas.Third, the formation of hypotheses: (hypothesis is a clever expect by the holder of the problem), which affected by the type of the previous experience with regard to the subject of the problem, it can be like a declarative sentence which needs to search for a relation between two variables or ideas or statements, (long working hours of the library effect on the speed of completion the research).

Chairman of the Scientific Research Committee

Dr. Omar Alzuobi

Quality Assurance Committee

It is responsible for spreading the perception of quality assurance as well as evaluating the level of work performance besides collecting data and information about the quality assurance activities constantly in the college and preparing reports on performance level such as NCAAA and different activities' beneficiaries' satisfaction .

Chairman of the Quality Assurance Committee

Ahmed A. Alalawi

Curriculum Committee

Tasks

1. Supervise the preparation of plans and programs of study at the college departments and reviewed to make sure they meet the necessary conditions.

2. Overseeing the development of plans and programs، college scholarships، and determine their conformity with the international Standards and the requirements of the labor market.

3. Preparation of reports on the plans and programs of study at the college departments and submit them to the Dean for approval by the Council of the College.

4. Coordination with the departments of the college and the unity of the university curriculum for adoption plans.

Chairman of the Curriculum Committee

Dr. Abdelrahman Ahmed M. Osman

Study schedules committee

This committee is responsible for:

- Prepare study schedules for the first and second semesters and summer semester.
- Preparation of the teaching load for each faculty member, according to the career nominee, and scientific specialization.
- Insert the study schedules and the names of the professors into the e-services system in coordination with the Admission and Registration Unit.
- Identify the study units needed by the departments according to the study plan and the number of students.
- Prepare and submit teaching loads for faculty members to the competent authorities in the college.
- Preparing a cumulative file archiver both paper and electronic for study schedules, for reference at any time.
- Preparation of final exams schedule and locate the halls of the tests.
- Identify the names of observers for exams and supervision of exam facilities, and solving all the problems that may occur during periods of the exam.
- Prepare a quarterly report on the work of the committee and submit it to the college administration.

Chairman of the Study schedules committee

Marwan Alnamari

Besides the previous mentioned main committees, there are several sub-committees as follows:

Student Rights Committee

- Receiving complaints from students regarding academic or non-academic problems that might be exposed to the student within the college.
- Making the right decision in this complaint no later than one week from the date of submission.
- Support the rights of students on the basis consistent with the regulations and the rules of the university.
- Educate students about their rights and the ways they can follow to obtain their rights through formal channels within the university.
- Prepare a quarterly report about the performance of the committee, and suggest development proposals and submit it to the dean of the college.

Advisory Committee

- Build bridges of communication between the Faculty of Computer and institutions of public and private sector to contribute to the academic development of the educational process.
- Know the views of employers and state institutions about the college graduates, as well as providing advice and counsel to upgrade the college in cases of interest to the college students, and promote openness to universities and scientific research centers and academic institutions worldwide.
- Identify the needs of the business sector of the required scientific disciplines, and to allow the participation of the business sector in the development of curriculum.

The Committee of Teaching Assistants and Lecturers

- Identify the department`s needs of the disciplines and organize study paths for students on scholarships in order to avoid overcrowding in one field.
- Make a record of students on scholarships contact numbers.
- Receive study applications from teaching assistants and lecturers who wish to complete their studies and submit them to the College Board.
- Constant updates to the list of domestic and foreign universities recognized by the Ministry of Education.

The graduate's committee

This committee is responsible of:

- Establish a special database for university graduates.
- Regularly communicate with graduates through various means to manage, develop and improve their relation with university.
- Specify the biggest challenges facing university graduates when entering the labor/job market.
- Prepare detailed reports about the strategic planning of the committee and its development strategies and submit them to the university department.

College Coordinator

The duties of the College Coordinator are:

- Coordination between all the different departments in terms of courses, classrooms, tables, tests and various activities.
- Coordination between Computer Department and other department in the University College for the courses that computer department students take at other departments.
- Coordination with other departments in the University College for courses those other departments' students take at Computer Department.
- Orienting new students on how to choose courses and requirements and how to distribute core and general courses on classroom commensurate with the ability of students, especially at the beginning of the academic year to be distributed to students academics mentors who take this task later.
- Taking-in new students applying for Computer Department and answer students' questions.

College Coordinator
Marwan Alnamari

Academic Advising Coordinator

The success of the faculty after all depends on the success of its students. Excellent academic programs will not accomplish the desired end result if students are not properly guided and counseled. Academic Advising can make a huge difference in the lives of university students. At Faculty of Computer in Al-Qunfudhah, it is part of our mission to provide sensitive and thoughtful support to our students.

Thus, academic advising fosters the development of the whole student who is a self-directed, motivated, responsible decision-maker and encourages the successful completion of degree requirements and timely graduation. The faculty offers for each group of 10 students an advisor. The advisor is the link between the student and the faculty. He/She can teach students how to gather information, how to make decisions, and how to test then reflect upon the results. He/She assists students in planning a program consistent with their abilities and interests. He/She helps students to define and develop realistic educational career plans through schedule planning for each semester and summer term. Each student should have an up-to-date academic schedule plan through to graduation. The advisor must meet at least twice each semester with continuing students to plan for the coming semester (or summer) and to review/revise long range academic program schedules. Advisors can take a student who might otherwise leave the college and guide that student to some extent so that the student stays and excels and feels good about himself or herself. To improve the services in our faculty, we developed a web application for academic advising that allows managing all operations of academic advising.

Academic Advising Coordinator

Abdelkader Abdelkarim

Graduation Projects Coordinator

In the program of computer science, practical application of what students have been learned from lectures is of great importance. In addition, students not only acquire knowledge but also understand practical applications of theories and algorithms.

Graduation Project performed throughout the fifth year is a critical part of computer science program. The main purpose of these projects is to encourage students to apply the scientific knowledge acquired during their course study and to give an opportunity to demonstrate the skills, talents and abilities that they have gained and refined during their university studies at the Faculty of Computer Science in Al-Qunfudhah in solving a real problem. During the project, the students cope with practical, authentic challenges posed by institutions and organizations. The projects include: requirement specification, needs analysis, proposing solutions, design and development of the solution and finally implementation, testing and evaluation of new system.

The graduation project is by default spread over the last two semesters (9th and 10th for 5 year curriculum). Semester 1 and Semester 2 will be marked separately based on the work progress shown, final presentation done, and deliverables submitted by the students in each semester. Prior to Semester 1, each group or team consisting of 4 or 5 students communicate with the supervisors of the department to complete a project proposal. However, the registration of the graduation project course will formally start at the onset of Semester 1. By the end of the Semester 1, the students have to complete the project proposal, project management plan, project requirement specification, and do a presentation, which shall be marked and graded. For the next semester, grade is awarded at the end of the Semester 2 after the demonstration and presentation of the project and submission of the project report. All faculty members are keys to students' success at any stage of the process. Some of the areas where faculty may serve during the process include: graduation project coordinator, graduation project committee, academic advisor and evaluation committee. Here is some graduation projects discussed this year:

- University field training management system.

- Academic Advising System.

- Generator of Arabic Questions to Support E-learning.

- Using Virtualization to Build Private Cloud at CCQ.

The graduation project coordinator

 Abdelkader Abdelkarim

Website Coordinator

- Communicate with faculty committees to raise subsidized news images or media files on the electronic College.
- Follow-up to develop and update the site.
- Work as a liaison with the Deanship of Information Technology with respect to the website.

The website coordinator

Abdelkader Abdelkarim

Laboratories

The Faculty of Computer contains general and specialized laboratories. All devices connected to the Internet service and under supervision of technicians to ensure the devices work without breakdowns.

Computing and Software Labs

Students are trained on various programming languages, application

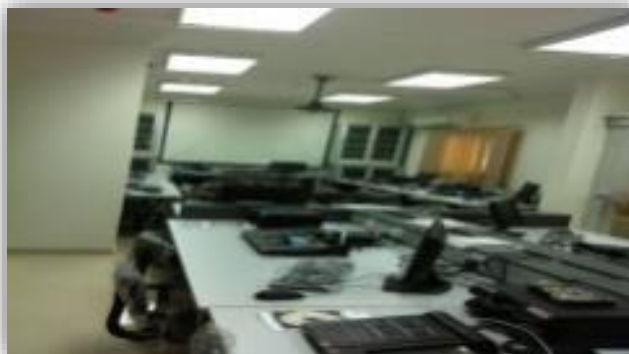software, online applications and operating systems.

Logical Design Laboratory

In this lab, student are trained to resolve the logical design, installation and design of the aggregate circles and circles in a row concurrent problems

Computer Organization Lab

Students are trained to recognize the characteristics of the computer systems and design digital devices.

Microprocessor Lab

Students learn how to design of microprocessors, how to build a signal transmission as well as the programming of the ins and outs of the memory and control
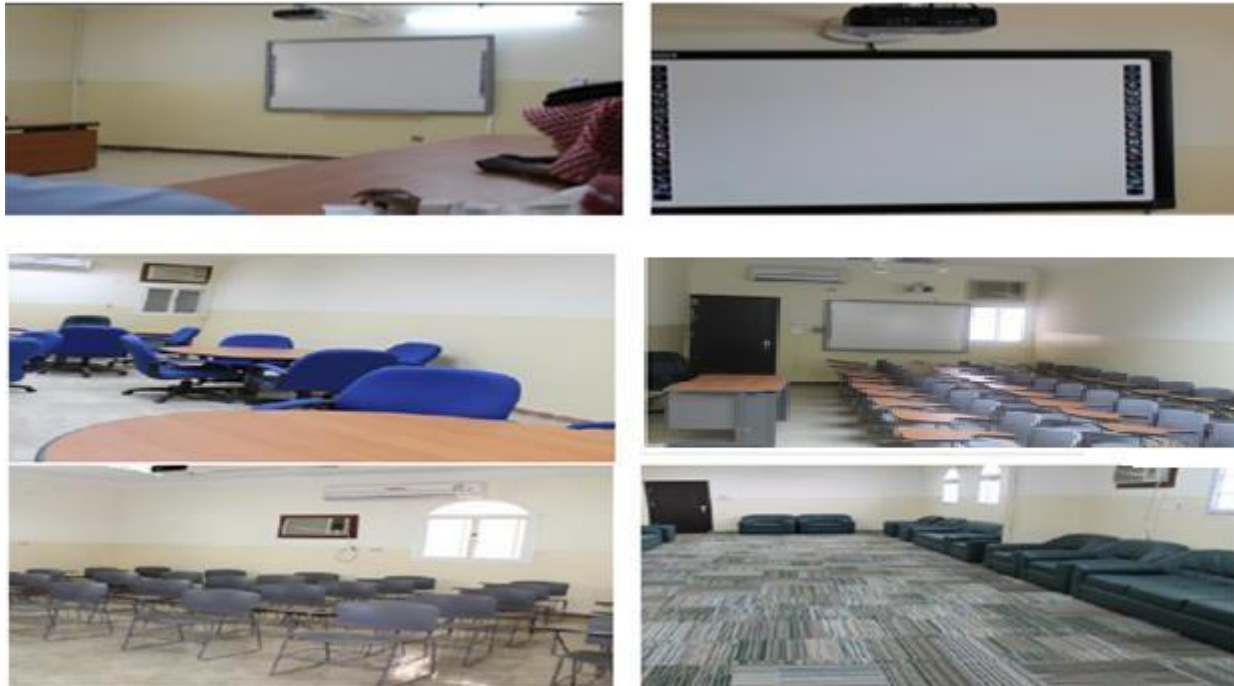

Advanced Digital Logic Lab

Students learn how to install and analysis harmonic functions, as well as non-synchronized sequential circuits in terms of status, delay, sources of danger

Classrooms Educational Devices:

The computer labs are equipped with computers and smart blackboards.The classrooms are equipped with smart blackboards and electronic displays.

Job Opportunities for Our Graduates:

There is a high demand for computer science graduates in Saudi Arabia. This is due to the significant renaissance and the rapid development of the Kingdom and because of the use of computers in various areas of life, in the public and private sectors. Here are some examples of available jobs for our graduates:

- Programming companies.
- The field of education and higher education.
- The field of medicine and health.
- Different types of Industry.
- Banks and the field of commerce and business.
- Aramco Saudi Arabia.
- The electronic government.
- The military field.

Contact us

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