

# FACULTY OF ENGINEERING

Ajman University of Science and Technology Network

## FACULTY MISSION

In harmony with the University mission, the Faculty of Engineering has been established to provide quality education in engineering and to promote innovative research environment. The Faculty provides an intellectual and academic environment in which students can explore a variety of engineering subjects to pursue careers in various engineering fields or continue studying for higher academic degrees.

## FACULTY OBJECTIVES

The academic programs of the Faculty of Engineering are designed to achieve the following objectives:

- To graduate competent engineers having sound scientific knowledge and professional attitude.
- To generate new Engineering knowledge through vigorous and ambitious commitment to research in various engineering disciplines.
- To encourage creativity through strategic view of development and constructive interaction with the external community.
- To break barriers between the academic community and industry in order to accommodate rapid changes in technology and career requirements through flexible programs.

## DEGREES OFFERED

The Faculty of Engineering offers the following programs

1. Bachelor of Science (B.Sc.) in Electrical Engineering/Electronics
2. Bachelor of Science (B.Sc.) in Electrical Engineering/Communication
3. Bachelor of Science (B.Sc.) in Biomedical Engineering
4. Bachelor of Science (B.Sc.) in Architectural Engineering
5. Bachelor of Interior Design

## ADMISSION REQUIREMENTS

Admission to the Faculty of Engineering requires a UAE secondary school certificate (Science major) or its equivalent with a minimum acceptable percentage of 70% for Communication, Electronics, Biomedical and Architectural engineering programs.

Admission to the Interior Design program requires UAE secondary school certificate (Science, Arts or Lit.) majors or its equivalent with a minimum acceptable percentage of 60%.

## GRADUATION REQUIREMENTS

Student will be awarded the Degree upon the fulfillment of the following:

- 1- Successful completion of all courses in the program curriculum
  - 165 Cr. Hrs. for Communication, Electronics and Biomedical Engineering)
  - 169 Cr. Hrs. for Architectural Engineering
  - 134 Cr. Hrs. for Interior Design Program
- 2- A final accumulative grade points average (AGPA) of not less than 2.0 on a 4.5 scale.

### **Interaction with community, industry and professional associations**

Breaking barriers between the academic activities and the market and wider community is one of the main elements of the university network's vision and philosophy. The faculty regularly organizes activities such as approach seminars, workshops and training courses in collaboration with companies, professional societies and community organizations.

The activities held during the academic year 2003-2004 included the following approach seminars:

- Architecture and Technology
- The role of academic institutions of architecture in preserving architectural identity against globalization
- The role of academic and professional institutions in the regulation of engineering practice in UAE.
- Medical applications of magnetic waves
- Training : a gate for employment
- The Future of Engineering Education