



## Founding Chair, Biomedical Engineering Department Position Description

### **The University**

Khalifa University of Science, Technology and Research (KUSTAR) is an independent, non-profit coeducational institution, dedicated to the advancement of learning through teaching and research and to the discovery and application of knowledge. KUSTAR is a dynamic, emerging, and well-funded university pursuing international recognition as a world class research university, with a strong tradition of inter-disciplinary teaching and research and of partnering with leading universities around the world.

The University endeavors to serve the Emirate of Abu Dhabi, UAE society, the region and the world by providing an environment of creative enquiry within which critical thinking, human values, technical competence and practical and social skills, business acumen and a capability for lifetime learning are cultivated and sustained. It sets itself high standards in providing a caring, rewarding and enriching environment for all of its students and staff. It ensures that its graduates, on entering the workplace, form a superlative cadre of engineers, technologists and scientists, capable of making major contributions to the current and future sectors of UAE industry and society as leaders and innovators.

The University insists on the highest world class standards of academic excellence in all that it does. It complements other universities in the region by providing, in its chosen areas of activity, the best teaching and research available in the region. It strives to meet demands for expansion while never compromising on quality.

### *World class faculty - research driven*

The KUSTAR faculty has a depth of international teaching and industrial experience. KUSTAR academic staff regularly presents cutting-edge research at international conferences and seminars while eminent academics and industrialists worldwide monitor the quality of courses. This has manifested itself in high quality teaching relevant to the needs of industry, a consistent quality graduate output over a period of 20 years, as well as appropriate postgraduate research.

### Quality Education

Current undergraduate degrees at KUSTAR are fully accredited by both: the UAE's Ministry of Higher Education and IET Institute - the official body in the United Kingdom for accrediting Electronic and related engineering qualifications. KUSTAR is proud to be the only institution in the Arab world to be accredited by the IET Institute. Postgraduate degrees have been awarded Accreditation-Eligible status from the Ministry of Higher Education, UAE.

### Academic Programs

The University presently offers undergraduate and postgraduate degree programs in engineering. The offerings in the near future will be in five disciplines: engineering, logistics management, health sciences, homeland security and sciences. KUSTAR is open to men and women from all nationalities with particular emphasis being placed on educating young UAE national citizens.

The Sharjah Campus offers the following undergraduate and graduate degree programs:

- Bachelor in Communications Engineering
- Bachelor in Computer Engineering
- Bachelor Electronics Engineering
- MSc by Research (Communication, Computer, or Electronics Engineering)
- MSc in Information Security (planned start in Fall 2009)
- PhD in Engineering (planned start in Fall 2009)

The Abu Dhabi Campus admitted its first class of students to the foundation year in Fall 2008. This class, plus additionally admitted direct entry students, will inaugurate the following engineering programs in the Fall of 2009:

- BSc Communications Engineering
- BSc Computer Engineering
- BSc Electronics Engineering
- BSc Aerospace Engineering
- BSc Mechanical Engineering
- BSc Software Engineering
- BSc Biomedical Engineering

Additional programs will be introduced each successive year at the Abu Dhabi Campus: Civil Engineering and a Post Baccalaureate Premedical Program in 2010; Medical School and two additional engineering programs in 2011; and four new engineering and science programs each year from 2012 through 2015.

## **Founding Chair of the Biomedical Engineering Department**

The Founding Chair of the Biomedical Engineering Department is responsible for leadership in supporting and advancing the teaching, research, and service activities of the departmental faculty and for managing the departmental needs, including resources, budgets, and personnel. Main responsibilities of the position include: faculty recruitment, development and retention; curriculum development and updating; facilities development, maintenance and updating; and stimulation and evaluation of faculty research. The Founding Chair reports directly to the Dean of the College and is the primary liaison between the department and college.

### **Position Requirements:**

- Earned Ph.D. in an engineering field from an appropriately accredited institution.
- Record of scholarship and teaching effectiveness sufficient to be appointed as a full professor.
- Demonstrated competence in multiple engineering fields.
- Demonstrated success in academic administrative processes, including an ability to interact effectively with faculty, administrators, students, and the community.
- Minimum of five years academic experience.
- Ability to build the reputation of the KUSTAR Biomedical Engineering Department on the basis of quality of education and research.

### **Application Procedure**

KUSTAR invites applications, inquiries and nominations for this important position. Applications should include a letter of application, a current curriculum vita, and the names and contact information of at least five references. Applications, inquiries and nominations may be submitted in confidence either electronically or in writing to the search firm representing KUSTAR. Review of materials will begin immediately and continue until the appointment is made. It is preferred, however, that all nominations and applications be submitted prior to September 10, 2009.

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