

ELECTRICAL AND COMPUTER ENGINEERING PROGRAM

Almost any technology that distinguishes the 20th and 21st centuries from previous centuries has the imprint of electrical and computer engineering - electric power, radio, television, radar, satellite communication, global positioning system, medical diagnostic and procedure systems, sophisticated domestic appliances, cell phones, computers and sophisticated sensors and control systems used underwater or in space exploration and national security. Electrical and computer engineering has advanced national and global prosperity through research, development and the application of electrical and computer technologies and sciences for the benefit of humanity. By choosing electrical and computer engineering our graduates embark on an exciting and productive career with endless opportunities in shaping a better future for mankind.

Program Mission

In support of the university mission, the mission of the Electrical and Computer Engineering Program is twofold:

- Providing quality education, well grounded in the fundamental principles of engineering that prepare students for positions in industry, government, and academia.
- Aiming to serve the industries and the governmental agencies in the State of Qatar through continuing education, outreach activities, consulting, and research.

Program Educational Objectives

The objectives of the Electrical and Computer Engineering Program at Texas A&M University at Qatar describe what graduates of the program are expected to attain within a few years after graduation. The Program Educational Objectives are to:

1. Be competitive as electrical engineers in a diverse range of careers while maintaining high ethical standards.
2. Provide service to and assume leadership in their professional disciplines, organizations and communities around the world.
3. Seek and apply advanced knowledge through continuous learning such as pursuing graduate degrees/courses and professional development in their discipline or other fields.
4. Continue developing effective teamwork and communication skills.

The extent to which the program is meeting these objectives is periodically assessed through instruments such as alumni surveys and employer/recruiter surveys. The goal is to continually improve the program's ability to meet these educational objectives. The electrical engineering curriculum and individual course contents are periodically evaluated and adjusted in order to further support the ability to achieve the program objectives. The program welcomes comments and suggestions from any interested individuals regarding the above program objectives and/or how the program can better meet these objectives.

Before commencing coursework in the major, students must be admitted to the major or have the approval of the department.

The undergraduate program in Electrical and Computer Engineering at Texas A&M University at Qatar is accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org/>.

Faculty

Abu-Rub, Haithem A, Professor
Electrical & Computer Eng-Qatar Campus
PHD, Gdansk University of Technology, Poland, 1995

Alnuweiri, Hussein, Professor
Electrical & Computer Eng-Qatar Campus
PHD, University of Southern California, 1989

Annapareddy, Narasimha, Professor
Electrical & Computer Eng
PHD, University of Illinois at Urbana-Champaign, 1990

Awadallah, Selma, Engineering Assistant Professor
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PHD, University of Manchester, 2014

Balog Jr, Robert S, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2006

Begovic, Miroslav M, Professor
Electrical & Computer Eng
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Bhattacharyya, S P, Professor
Electrical & Computer Eng
PHD, Rice University, 1971

Birchfield, Adam, Assistant Professor
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PHD, Texas A&M University, 2018

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PHD, Telecom Paris Tech (ENST), 1996

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PHD, John Hopkins University, 2002

Butler-Purry, Karen L, Professor
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Cantrell Jr, Pierce E, Senior Associate Professor
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PHD, University of Michigan, 2006

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PHD, Washington University in St. Louis, 1985

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Rajendran, Jeyavijayan, Associate Professor
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Russell Jr, Billy D, Distinguished Professor and Regents Professor
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Shakkottai, Srinivas G, Professor
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Sprintson, Alexander, Professor
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Toliyat, Hamid A, Professor
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Weichold, Mark H, Regents Professor
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Williams, Richard, Professor
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Xie, Le, Professor
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Zhang, Xi, Professor
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Zou, Jun, Professor
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Majors

- Bachelor of Science in Electrical Engineering (<http://catalog.tamu.edu/undergraduate/qatar/electrical-and-computer-engineering-program/electrical-engineering-bs/>)

Minors

- Electrical Engineering Minor (<http://catalog.tamu.edu/undergraduate/engineering/electrical-computer/electrical-minor/>)