Almost any technology that distinguishes the 20\textsuperscript{th} and 21\textsuperscript{st} 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/.

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**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
  Electrical & Computer Eng-Qatar Campus
  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
  PHD, Virginia Polytechnic Institute, 1989
- Bhattacharyya, S P, Professor
  Electrical & Computer Eng
  PHD, Rice University, 1971
- Birchfield, Adam, Assistant Professor
  Electrical & Computer Eng
  PHD, Texas A&M University, 2018
- Boutros, Joseph J, Professor
  Electrical & Computer Eng-Qatar Campus
  PHD, Telecom Paris Tech (ENST), 1996
- Braga Neto, Ulisses, Professor
  Electrical & Computer Eng
  PHD, John Hopkins University, 2002
- Butler-Purry, Karen L, Professor
  Electrical & Computer Eng
  PHD, Howard University, 1994
- Cantrell Jr, Pierce E, Senior Associate Professor
  Electrical & Computer Eng
  PHD, Georgia Institute of Technology, 1981
- Chamberland-Tremblay, Jean-Francois, Professor
  Electrical & Computer Eng
  PHD, University of Illinois, 2004
- Choi, Seong G, Associate Professor
  Electrical & Computer Eng
  PHD, University of Illinois, 1994
- Datta, Aniruddha, Professor
  Electrical & Computer Eng
  PHD, University of Southern California, 1991
- Davis, Katherine M, Associate Professor
  Electrical & Computer Eng
  PHD, University of Illinois at Urbana-Champaign, 2011
Duffield, Nicholas G, Professor
Electrical & Computer Eng
PHD, Queen Mary College, Univ. of London, 1987

Ehsani, Mehrdad, Professor
Electrical & Computer Eng
PHD, University of Wisconsin, Madison, 1981

Enjeti, Prasad N, Professor
Electrical & Computer Eng
PHD, Concordia University, Montreal, 1984

Entesari, Kamran, Professor
Electrical & Computer Eng
PHD, University of Michigan, 2006

Georghiades, Costas N, Professor
Electrical & Computer Eng
PHD, Washington University in St. Louis, 1985

Ghobayeb, Ali, Professor
Electrical & Computer Eng-Qatar Campus
PHD, University of Arizona, 2000

Gratz, Paul V, Professor
Electrical & Computer Eng
PHD, The University of Texas at Austin, 2008

Han, Arum, Professor
Electrical & Computer Eng
PHD, Georgia Institute of Technology, 2005

Harris, Harlan R, Associate Professor
Electrical & Computer Eng
PHD, Texas Tech University, 2003

Hemmer, Philip R, Professor
Electrical & Computer Eng
PHD, Massachusetts Inst of Technology, 1984

Hou, I-Hong, Associate Professor
Electrical & Computer Eng
PHD, University of Illinois Urbana Champaign, 2011

Hoyos, Sebastian, Associate Professor
Electrical & Computer Eng
PHD, University of Delaware, 2004

Hu, Jiang, Professor
Electrical & Computer Eng
PHD, University of Minnesota, 2001

Ji, Jim X, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2003

Ji, Jim X, Professor
Electrical & Computer Eng-Qatar Campus
PHD, University of Illinois, 2003

Kalafatis, Stavros, Professor of the Practice
Electrical & Computer Eng
MS, University of Arizona, 1991

Karsilayan, Aydin I, Associate Professor
Electrical & Computer Eng
PHD, Portland State University, 2000

Katehi-Tsergounis, Linda, Professor
Electrical & Computer Eng
PHD, University of California, 1984

Kezunovic, Mladen, Regents Professor
Electrical & Computer Eng
PHD, University of Kansas, 1980

Khati, Sunil P, Professor
Electrical & Computer Eng
PHD, University of California at Berkeley, 1999

Kim, Soaram, Assistant Professor
Electrical & Computer Eng
PHD, Clemson University, 2018

Kish, Laszlo B, Professor
Electrical & Computer Eng
PHD, Uppsala University, Sweden, 1994

Kumar, Panganamala R, University Distinguished Professor and Regents
Professor
Electrical & Computer Eng
PHD, Washington University in St. Louis, 1977

Lin, Paotai, Associate Professor
Electrical & Computer Eng
PHD, Northwestern University, 2009

Liu, Tie, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2006

Lu, Mi, Professor
Electrical & Computer Eng
PHD, Rice University, 1987

Luscher, John D, Associate Professor Of The Practice
Electrical & Computer Eng
PHD, Texas A&M University, 2018

Madsen, Christi K, Professor
Electrical & Computer Eng
PHD, Rutgers State University of New Jersey, 1996

Manisseri Kalathil, Dileep, Assistant Professor
Electrical & Computer Eng
PHD, University of California at Berkeley, 2014

Michalski, Krzysztof A, Associate Professor
Electrical & Computer Eng
PHD, University of Kentucky, 1981

Miller, Scott L, Professor
Electrical & Computer Eng
PHD, University of California at San Diego, 1988

Moreira-Tamayo, Oscar, Professor of the Practice
Electrical & Computer Eng
PHD, Texas A&M University, 1996
Narayanan, Krishna R, Professor
Electrical & Computer Eng
PHD, Georgia Institute of Technology, 1998

Nevels, Robert D, Professor
Electrical & Computer Eng
PHD, University of Mississippi, 1979

Nounou, Hazem N, Professor
Electrical & Computer Eng-Qatar Campus
PHD, Ohio State University, 2000

Nowka, Kevin J., Professor Of The Practice
Electrical & Computer Eng
PHD, Stanford University, 1995

Overbye, Thomas J, Professor
Electrical & Computer Eng
PHD, University of Wisconsin, 1991

Palermo, Samuel M, Professor
Electrical & Computer Eng
PHD, Stanford University, 2007

Qaraqe, Khalid A, Professor
Electrical & Computer Eng-Qatar Campus
PHD, Texas A&M University, 1997

Qian, Xiaoning, Professor
Electrical & Computer Eng
PHD, Yale University, 2005

Rahimian, Mina M, Senior Lecturer
Electrical & Computer Eng
PHD, Texas A&M University, 2011

Rajendran, Jeyavijayan, Associate Professor
Electrical & Computer Eng
PHD, New York University, 2015

Rentzepis, Peter M, Professor
Electrical & Computer Eng
PHD, University of Cambridge, 1963

Righetti, Raffaella, Associate Professor
Electrical & Computer Eng
PHD, University of Houston, 2005

Russell Jr, Billy D, Distinguished Professor and Regents Professor
Electrical & Computer Eng
PHD, University of Oklahoma, 1975

Savari, Serap A, Associate Professor
Electrical & Computer Eng
PHD, Massachusetts Inst of Technology, 1996

Serpedin, Erchin, Professor
Electrical & Computer Eng
PHD, University of Virginia, 1999

Serpedin, Erchin, Professor
Electrical & Computer Eng-Qatar Campus
PHD, University of Virginia, 1999

Shakkottai, Srinivas G, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2007

Shen, Yang, Associate Professor
Electrical & Computer Eng
PHD, Boston University, 2008

Shi, Weiping, Professor
Electrical & Computer Eng
PHD, University of Illinois, 1992

Silva-Martinez, Jose E, Professor
Electrical & Computer Eng
PHD, Katholieke Universiteit Leuven, 1992

Singh, Chanan, University Distinguished Professor and Regents Professor
Electrical & Computer Eng
PHD, University of Saskatchewan, 1972

Sprintson, Alexander, Professor
Electrical & Computer Eng
PHD, Israel Institute of Technology, 2003

Tian, Chao, Associate Professor
Electrical & Computer Eng
PHD, Cornell University, 2005

Toliyat, Hamid A, Professor
Electrical & Computer Eng
PHD, University of Wisconsin, Madison, 1991

Tyler Jr, John E, Senior Lecturer
Electrical & Computer Eng
MS, University of Central Texas, 1979

Watson, Karan L, Senior Professor
Electrical & Computer Eng
PHD, Texas Tech University, 1982

Weichold, Mark H, Regents Professor
Electrical & Computer Eng
PHD, Texas A&M University, 1983

Williams, Richard, Professor
Electrical & Computer Eng
PHD, University of California at Berkeley, 1978

Wright, Steven M, Professor
Electrical & Computer Eng
PHD, University of Illinois, 1984

Xie, Le, Professor
Electrical & Computer Eng
PHD, Carnegie Mellon University, 2009

Xiong, Zixiang, Professor
Electrical & Computer Eng
PHD, University of Illinois, 1996

Yi, Suin, Assistant Professor
Electrical & Computer Eng
PHD, Texas A&M University, 2017
Yoon, Byung-Jun, Professor
Electrical & Computer Eng
PHD, California Institute of Technology, 2007

Zhang, Xi, Professor
Electrical & Computer Eng
PHD, University of Michigan, 2002

Zilany, Muhammad Shamsul Arefeen, Instructional Assistant Professor
Electrical & Computer Eng-Qatar Campus
PHD, McMaster University, 2007

Zou, Jun, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2002

**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/)