



Amirkabir University
of Technology
(Tehran Polytechnic)

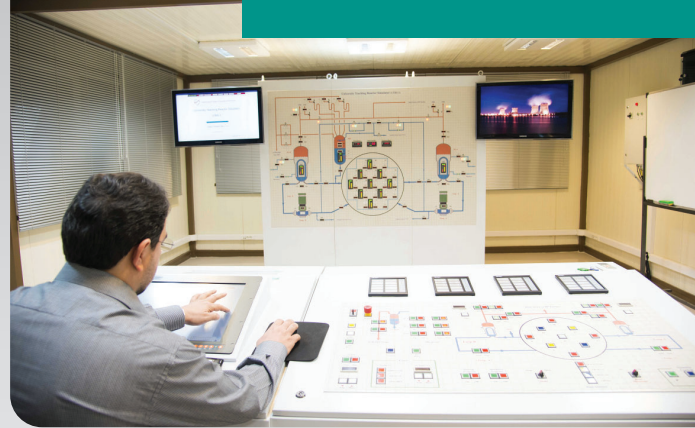
School of **Electrical, Computer & Biomedical Engineering**

Department of **Electrical Engineering**



www.ee.aut.ac.ir/en

Why AUT: It's not just different areas of Electrical Engineering that AUT students excel at, it's creating an environment to nurture creative thinking, innovation and leadership that sets our students apart.



CAREER PROSPECTS:

The alumni of this department can gain the required skills for maintaining electrical systems and identification and evaluation of new technologies in the field of electronics and utilize and maintain active communicational systems. They are also provided with the skills to start their activities in large electrical workshops and factories.



LABORATORIES:

Electronics; Linear Control Systems; Industrial Electronics; Television Systems; Technical Pulse; Insulation and High Voltage; Micro Processor; Microwave; Micro Computer; Telephone Switching; Aerial; Special Machinery and Calculative Intelligence; Logical Circuits; Communications Circuits; Circuit and Measurement and Real Time Research Laboratory.

	Programs			
BSc	Power Systems	Control Systems	Electronics	Communications

	Programs			
MSc and PhD	Power Systems	Control Systems	Electronics	Communications
	Telecommunications	Energy Management	Mechatronics	





Amirkabir University
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School of **Electrical, Computer & Biomedical Engineering**

Department of **Computer Engineering**



www.ce.aut.ac.ir/en

Why AUT: As an active department in international programming and robotic competitions, we combine science, engineering, and the thrill of discovery for our students to change the world.



CAREER PROSPECTS:

Graduates can analyze, design, and implement advanced computer systems and their components (hardware and software), apply advanced engineering principles to conduct experiments and analyze the acquired data in order to identify, formulate, and solve computer engineering problems and efficiently use software packages.



Research & Innovation Centers:

Innovation & Entrepreneurship Center, Fintech Finnova, Kuknos R&D Innovation Center, Alibaba Innovation Center in AUT, TOSAN Techno R&D Center

	Programs			
BSc	Computer Network	Artificial Intelligence	Computer Systems	Software Design and Development
MSc and PhD	Computer Systems	Software Design and Development	Hardware Engineering	Computer Network
	Electronic Commerce and Security		Artificial Intelligence and Robotics	





Amirkabir University
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School of Electrical, Computer & Biomedical Engineering

Department of Biomedical Engineering



www.bme.aut.ac.ir/en

Why AUT: We are the first department of biomedical engineering in the country so why not study with the pioneers in this field. Dr. Jafari, one of our faculty members, is one of the most cited researchers in the world.



CAREER PROSPECTS:

Biomedical engineers work to apply knowledge of engineering, biology, and biomechanical principles to the design, development, and evaluation of biological and health systems and products. Things like artificial organs, prostheses, medical information systems, and health management are, for the most part, all thought up by those with backgrounds in biomedical engineering.



Laboratories:

Biophotonics, Bioelectromagnetics, Nanomedicine, BioCAS, Dynamics of Complex Systems and Networks, Biological Fluid Dynamics, Smart Biomaterial, Biological Systems Control, Biointerface, Physico-Mechanical Characterization, Cell Engineering, Advanced Scaffold Laboratory, Orthopaedic & Dental Biomechanics, Medical Images Processing, Bioinstrumentation and Biological Signal Processing, Nano-Biosensors Laboratory.

	Programs			
BSc	Bioelectric	Biomechanics	Biomaterials	
MSc and PhD	Bioelectric	Biomechanics	Biomaterials	Sports and Tissue Engineering

