



Amirkabir University
of Technology
(Tehran Polytechnic)

School of **Material Engineering & Advanced Processes**

Department of **Chemical Engineering**



www.chemeng.aut.ac.ir/en

Why AUT: Ranked 50th in the world by Shanghai Academic Ranking of World Universities due to the efforts of our award winning professors who passionately train our students and motivate them to fol-



low their dreams. Our students have won Chem-e-car Competitions every year from 2005 to 2016.

CAREER PROSPECTS:

Graduates usually seek employment in different industrial fields such as petroleum, natural gas and petrochemical, food, environmental, biotechnology and its related areas including optimization of process, technology purchase and process design and development.



▼ New Methods of Isolating Biological Compounds Seminar, Dr. Coutinho (University of Aveiro) & Dr. Pazuki (AUT)

Laboratories:

Process Control Laboratory, Microbiology and Food Quality Control Laboratory, Unit Operation Laboratory, Biotechnology, Gas-Solid Process Laboratory, Laser and Particulate Laboratory, Membrane Processes Laboratory, New Materials Laboratory, Non-Newtonian Fluids Laboratory, Packaging Laboratory, Separation Processes Laboratory, Water and Wastewater Laboratory, Instrumental Analysis Laboratory.

		Programs			
BSc		Chemical Engineering			
		Programs			
MSc and PhD	Thermokinetic and catalyst	Transport phenomena	Nano technology	Food industry	
	Biotechnology	Environment	Separation process and Process design		



Amirkabir University
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(Tehran Polytechnic)

School of **Material Engineering & Advanced Processes**

Department of **Polymer & Color Engineering**



www.polymer.aut.ac.ir/en

Why AUT: A pioneer in the field of polymer engineering, we house one of the largest academic centers for polymer color and surface coating research.

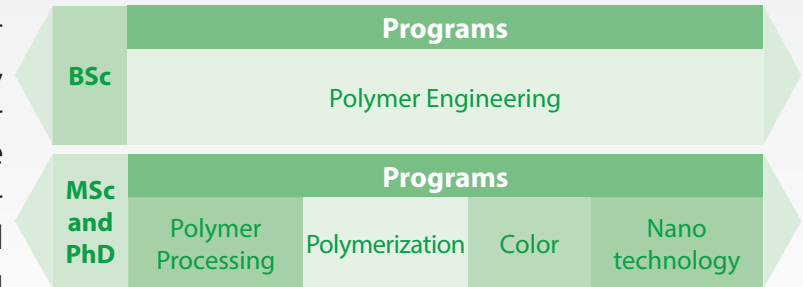


Laboratories:

Process Dynamics and Control Laboratory, Biopolymers Laboratory, Organic Chemistry Laboratory, Color Physics Laboratory, Corrosion and Protective Coatings Laboratory, Surface Coating Resins Laboratory, Polymer Chemistry Laboratory, Chemistry and Technology of Dyes Laboratory, Physical Chemistry of Polymers Laboratory, Rheology Workshop

CAREER PROSPECTS:

The alumni of this department are engaged in all areas related to polymers, coatings and color. These include industries in which synthesis, manufacture and design of these materials are performed. Petroleum and petrochemical industry, automotive industry, printing and packaging and power plants are among the industries that benefit from our well-educated graduates.





Amirkabir University
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School of **Material Engineering & Advanced Processes**

Department of Textile Engineering



www.textile.aut.ac.ir/en

Why AUT: With more than 60 years of experience you enter the wide world of textile science and technologies; so be ready to serve the human community.

CAREER PROSPECTS:

Graduates can choose to work for large textile or clothing companies designing new manufacturing methods, products, and machineries or go into research to develop performance textiles and clothing such as advanced protective textiles for military or protection uses; medical textiles; industrial textiles or composite materials. Some graduates may have a desire to work in sports related career fields and might choose to work

Programs				
BSc	Clothing Engineering and Management	Textile Technology Engineering	Textile Chemistry and Fiber Science	
	Programs			
MSc and PhD	Textile Chemistry and Dye	Textile Technology	Textile Management	Fiber Science
	Clothing Engineering	Industrial Textiles	Nanofibrous Structures Engineering	



with athletic gear companies to keep their clothing lines up to date with the latest comfort and ventilation technology.

Laboratories:

Water and Wastewater Laboratory, Thermal Analysis Laboratory, Nano-Fibrous Structures' Electrospinning Laboratory, Bio-Finishing Research Laboratory, Biotechnology Laboratory, Polymer & Nanofibrous Structures Laboratory, Color Science Laboratory, Dyeing Laboratory, Fiber Science Laboratory, Fiber Analysis Laboratory, Basics of Electrical Engineering & Electronics Laboratory, Optical Microscopy Laboratory, Nano-Bio Finishing Research Laboratory, Textile Finishing Laboratory, Textile Testing & Quality Control Laboratory, Statistical Quality Control Laboratory, Printing Workshop, Weaving Preparation Workshop, Clothing Technology Workshop, Fusing Workshop, Spinning Workshop, Clothing Design Workshop, Melt Spinning Workshop, Weaving Workshop, Weft-Knitting Workshop, Warp-Knitting Workshop, Composite and Industrial Textiles Workshop

