

Industrial

Engineering Department

Email: info@sharif.edu

Website: http://ie.sharif.ir/

Address: Department of Industrial Engineering, Sharif University of Technology, Azadi Ave., Tehran, Iran

Telephone number: +98 21 66165701

The Department of Industrial Engineering at Sharif University of Technology was founded in 1968 and enjoys the distinction of being the first department of its type established in Iran. The goal of this department is to produce efficient industrial engineers with a high rate of technical ability, including practical as well as theoretical knowledge, in order to attain secure and responsible positions in competitive arena of industrial and service enterprise.

Undergraduate Course Structure

1st year	2nd year	3rd year	4th year
<ul style="list-style-type: none"> • Math (I), (II) • Physics (I), (II) • Physics Lab (I), (II) • English Language • Computer Programming • Computer Lab • Machine Tools Workshop (I) • Statics • Specialized English Language • Industrial Drawing (I) 	<ul style="list-style-type: none"> • Theory of Probabilities and Its Application • Linear Algebra • General Economics (I), (II) • Differential Equation • Industrial Drawing (II) • Engineering Economy • Engineering Statistics • Operation Research (I) • Material Science • Fundamentals of Electrical Engineering 	<ul style="list-style-type: none"> • Inventory Control (I) • Work Measurement • Production Methods (I) • Management • Accounting • Computer Information Systems • Quality Control • Facility Layout & Location • Project Control 	<ul style="list-style-type: none"> • Full-time research under the supervision of a member of the academic staff • Optional supplementary subject course • Management Information System (MIS) • Operation Research (II)

Graduate Programs

The programs offered in the department at graduate level are:

1. Master of Science in Industrial

Engineering (with the final project determining the field of study)

2. Ph.D. in Industrial Engineering program

Career Opportunities industrial engineering

Industrial engineering doctoral graduates are among the best in the country, prepared to go into both industry and academic positions. They have become involved in rigorous coursework, teaching, and research in areas such as graph theory, queuing theory, stochastic processes, stochastic programming, optimization, dynamic

pricing and programming, financial engineering, supply chain management, and algorithmic trading. Over the past few years the graduates have pursued careers as faculty members of national and international universities, leader and management positions in Banks, Transports, Oil and gas and other industry sectors.

