



PROGRAM OVERVIEW

Do you have a passion for both technology and working with people? Are you looking to study a degree that will open up doors for a flexible, long-term career path?

RIT's Bachelor's of Science in Industrial Engineering could be a perfect program for you. It will offer you the opportunity to spend as much time interacting with other engineers and product users as you will do at your desk, whilst providing an incredibly flexible major that will see you explore a wide breadth of engineering areas.

Advanced manufacturing, distribution and logistics, ergonomics, modelling and simulation, sustainable design and development: you'll study some of the most exciting and fast-developing areas of engineering over the course of the program, which offers a curriculum that also covers the principle concepts of engineering economics, project management, facilities planning, human performance, production control, applied statistics, quality and production processes.

By your third year of study you will also have a choice of choosing from a general degree in industrial engineering or specializing in your chosen area.

Upon graduation from this program, you'll be able to solve the challenges presented by the global environment and economy of today: setting you up for a successful future and career path.

Industrial engineers figure out how to do things better. They engineer processes and systems that improve quality and productivity. They work to improve processes, saving materials, energy, and other commodities. Most important of all, industrial engineers save companies money. This is why more and more companies are hiring industrial engineers and then promoting them into management positions.

POSSIBLE CAREER OPTIONS

As an engineering graduate from RIT Dubai, you'll be in a position to use your advanced technical knowledge to springboard a career in management, consulting, manufacturing, and sectors including healthcare, transport, aviation and government.

As the UAE becomes a global leader in logistics and diversifying from an oil-based economy, you'll also be able to explore management positions as a logistics engineer, supply chain analyst, production planner, quality engineer or a maintenance engineer.

ACCREDITATION

The Industrial Engineering program is accredited by the UAE Ministry of Education - Higher Education Affairs and is licensed by the KHDA and recognized by the Jordanian Ministry of Higher Education and Scientific Research. The main program at RIT is also accredited by ABET.



UNITED ARAB EMIRATES
MINISTRY OF EDUCATION
HIGHER EDUCATION AFFAIRS

COOPERATIVE EDUCATION (Internship)

By studying at RIT Dubai you'll undertake a 50 week, full-time, paid cooperative internship placement as part of your program. This period will add to your experience both in terms of hardcore engineering and widening your network. Many students end up working for companies with which they conducted their cooperative internship.



"My time so far at RIT has been very engaging. The campus and facilities are excellent and there are lots of activities. The most important part of my learning experience at RIT are the courses available for my major and the professors teaching them, which are great. I found the courses to be challenging but with the professor's support I've really developed.

Getting an actual U.S. degree here in Dubai is a fantastic opportunity and I hope to do study abroad semester at the New York campus and some point."

Muhammad Zeeshan Uz Zuman

Industrial Engineering - Bachelor of Science Degree, Typical Course Sequence

Course		Semester Credit Hrs.	Course		Semester Credit Hrs.
FIRST YEAR			THIRD YEAR		
ANTH - 365	Islamic Culture	3	ISEE - 499	Cooperative Education	Co-op
ISEE-120	Fundamentals of Industrial Engineering	3	ISEE - 301	Operations Research	4
UWRT - 150	Writing Seminar	3	ISEE - 350	Engineering Management	3
CHMG - 131	General Chemistry for Engineers	3	ISEE - 330	Ergonomics and Human Factors (WI)	4
MATH-181, 182	Project-Based Calculus I, II	8	ISEE - 323	Facilities Planning	3
	LAS Perspective 1, 2 (Artistic, Ethical)	6	MECE-304	Fundamentals of Materials Science	2
PHYS - 211	University Physics I	4	MECE-306	Materials Science with Applications Laboratory	1
ISEE - 140	Materials Processing	3			
SECOND YEAR			FOURTH YEAR		
ISEE-200	Computing for Engineers	3	ISEE - 420	Production Planning and Scheduling	3
PHYS - 212	University Physics II	4	ISEE - 460	Applied Statistical Quality Control	3
MATH - 219	Multivariable Calculus	3	ISEE - 510	Systems Simulation	3
MATH - 251, 252	Probability and Statistics I, II	1	ISEE - 421	Design and Analysis of Production Systems	3
MECE - 200	LAS Perspective 3,4 (Global, Social)	6		LAS Immersion 1	3
MATH - 233	Fundamentals of Mechanics	6	ISEE - 499	Cooperative Education	Co-op
ISEE - 345	Linear Systems and Differential Equations	4	FIFTH YEAR		
EGEN - 009	Engineering Economy	4	ISEE - 561	Linear Regression Analysis	3
	Engineering Co-op Preparation	3	ISEE - 497, 498	Multidisciplinary Senior Design I, II	6
		0		Professional Electives	9
				Free Electives	6
				LAS Immersion 2, 3	6
Total Semester Credit Hours - 129					

OPTIONS

General Degree

The General Degree option requires a course from each of the program options available. Three (3) courses are needed to be completed for the general degree options:

- ISEE-760 - Design of Experiments
- MGIS-755 - Information Technology Strategy and Management
- ISEE-704 - Logistics Management
- MECE-404 - Robotics
- Any one course from the supply chain management option

MINORS:

- » Electrical Engineering
- » Mechanical Engineering
- » Computing Security
- » Computing and Information Technologies

Supply Chain Management Option

The Supply Chain Management Program Option provides further study in the design, planning, execution, control, and monitoring of distribution and logistics activities with the objective of ensuring the cost-effective delivery of products and services globally.

The following courses are required:

- MGIS-755 - Information Technology Strategy and Management
- ISEE-703 - Supply Chain Management
- ISEE-704 - Logistics Management

- » Business Management

R·I·T Dubai

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