

Industrial Engineering

Because tomorrow matters



Industrial engineering is at the heart of the systems that are essential to our society. It deals with the optimization of systems and processes performance across various industries and service sectors. It is concerned with the efficient use of limited resources (labor, materials, machines and time) in order to provide the least cost product or service with high quality and meeting customers' needs. Industrial engineers strive to improve productivity and efficiency of systems and processes; eliminate waste of time, money, materials and other resources; enhance quality, reliability and safety; save costs and maximize profit. Learn how you can become an industrial engineer by joining the AUS **Bachelor of Science in Industrial Engineering** program.

Where Can Industrial Engineering Take You?

Industrial engineering is an agile discipline of finding ways to improve processes through well-structured approaches that lead to innovative and cost-cutting solutions. This dynamic field requires a combination of technical skills, knowledge of data analytics, sharp business skills and an understanding of the latest technologies. As an industrial engineer, you will contribute to enhancing society's quality of life by improving work environments, increasing efficiencies, reducing waste and advancing productivity. You will also have the flexibility of choosing to work in the service or manufacturing sectors—**your options are endless**.

Why Industrial Engineering at AUS?

From outstanding faculty to world-class facilities, here is a snapshot of why students chose to study industrial engineering with us.

Renowned faculty. Our faculty come from some of the world's best industrial engineering schools including Georgia Institute of Technology, Pennsylvania State University, Cornell University, Arizona State University, Virginia Polytechnic Institute and State University, Wayne State University, Concordia University, University of Loughborough, University of Franche-Comte and University of Bourgogne.

State-of-the-art facilities. Our students sharpen their new-found skills and knowledge in our diverse range of labs, including the Digital Supply Chain Lab, Modeling Simulation Lab, Virtual Manufacturing Systems Lab and Manufacturing Lab.

Accredited programs. Our degree programs are accredited in the UAE and USA.

- AUS is licensed and its programs are accredited by the Commission for Academic Accreditation of the UAE Ministry of Education's Higher Education Affairs Division.
- AUS is accredited in the USA by the Middle States Commission on Higher Education.
- The industrial engineering (BS) program is accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Program Criteria for Industrial and Similarly Named Engineering Programs.

Broad curriculum. Our students can choose from a wide and diverse selection of electives, including:

Data Analytics

Decision Analysis

Design of Experiments

Innovation and Entrepreneurship

Industrial Resources Planning

Supply Chain

Logistics Engineering

Reliability Engineering

Safety Engineering

Service Systems Engineering

Six Sigma Methodology

Warehousing Systems

Variety of scholarships and grants. Eligible students have access to a wide range of scholarships and other financial support, with approximately two-thirds of all AUS students benefitting.

Opportunities beyond the classroom. Our students enjoy an active and diverse extracurricular experience, with more than 80 interest-oriented clubs and 26 sports teams. Industrial engineering students typically join the Industrial Engineering Club, Institute of Industrial Systems Engineering Chapter, American Society of Quality Chapter and Supply Chain Management Club. Students have also enjoyed study tours to South Korea, Portugal and Italy. In addition, students can achieve professional certifications such as Six Sigma Green Belt and SAP Certification.

Our students also have opportunities to challenge themselves by taking part in a number of competitions, including the American Society of Quality Annual Student Competition, the APICS Supply Chain Global Challenge, the ASCM Supply Chain Global Case Study Competition and the Unilever Gulf Entrepreneur Awards.

A top choice among employers. Many opportunities await our students upon graduation. Our graduates are employed by organizations including:

ABB Group	IKEA
Accenture	Johnson & Johnson
AFIA	KPMG
Amazon	L’Oreal
Aramex	McKinsey
Azadea	McKinsey Group
Baker Hughes	Nestle
Bayer	Noon
Beeah	Novartis Healthcare
Carrefour	Odoo
Coca Cola	PDCA Consulting Group
Deloitte	Petrofac
Dubai Electricity & Water Authority (DEWA)	Philips
Dubai International Financial Center	Proctor & Gamble (P&G)
DHL	PricewaterhouseCoopers (PWC)
Dubai Municipality	Riyadh Airport Company
Emirates Global Aluminium (EGA)	Road and Transportation Authority (RTA)
Emirates National Oil Company (ENOC)	SAP
Ernst & Young (EY)	Saudi Aramco
FedEx	Schneider Electric
Ferrero	Sharjah Electricity & Water Authority (SEWA)
HNW Consulting	Total
IBM	Unilever

Preparation for top graduate programs. Our alumni pursue master’s and doctoral degrees at universities including University of Illinois at Urbana-Champaign, University of Wisconsin-Madison, Boston University, University of Bradford, University of Liverpool, Concordia University, Edinburgh Business School and Heriot-Watt University.

International recognition. AUS has an impressive list of rankings to its name:

- Among the **top 10 Arab universities** every year for the past eight consecutive years (QS Arab Region University Rankings 2023)
- Among the **top 50 universities** in the world under the age of 50 years (QS World University Rankings 2021)
- Among the **top four universities** in the UAE and among the **top 600 globally** for engineering studies (THE World University Subject Rankings 2023)
- Among the **top five universities** globally with the highest percentage of international students (THE World University Rankings 2023)



Contact

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