Arizona State University (Tempe campus)

Engineering Management, BSE

Study details

Course type: Bachelor's degree
Degree: Engineering Management, BSE ESEMGBSE
Study mode: Full time
Duration: 48 Month

Cost of study

Cost : 35 430 USD
Reg. fee : 85 USD
Scolarship :
Insurance : 2 765 USD

Intake/s

Jan/May/Aug

Requirements

Academic requirements

First-year students must:

- Have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school. Some ASU programs may have higher admission or English proficiency requirements and may consider a minimum ACT or SAT score.
- Must have three years of high school coursework. (If you are currently in high school, ASU needs to see 9–11 grade coursework. If you have completed high school, ASU needs to see 10–12 grade coursework.)
- Must have and present a completed high school diploma or certificate.

Conditional admission

ASU may offer conditional undergraduate admission to international applicants to an on-campus program who meet the academic (aptitude) requirements but who are not proficient in English. This offer of conditional admission will give you time to improve your English proficiency before you start classes at ASU. Your conditional admission offer is good for up to three semesters, during which time you must meet one of these requirements to begin your ASU experience.

Competency requirements

International students who completed high school outside the U.S. are required to meet the following competency requirements:

- Math: four years (algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite).

- Laboratory science: three years total (one year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences and physics).

Additional requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering, shown below, are higher than minimum university admission standards. International students must meet the same admission standards, with the possible additional requirement of a minimum English language proficiency test score. If the university requires an English proficiency test score from the applicant, then admission to engineering requires a minimum TOEFL iBT score of 79 (internet-based test, taken in a testing center), a minimum IELTS score of 6.5, a minimum PTE score of 58, a minimum Duolingo English score of 105, or a minimum Cambridge English exam score of 176.

Accommodation

Provided by partner agencies

Speciality
STEM-OPT for international students on F-1 visas

This program may be eligible for an Optional Practical Training extension for up to 24 months. This OPT work authorization period may help international students gain skills and experience in the U.S. Those interested in an OPT extension should review ASU degrees that qualify for the STEM-OPT extension at ASU's International Students and Scholars Center website.

The OPT extension only applies to students on an F-1 visa and does not apply to students completing a degree through ASU Online.

Transfer admission requirements:

Transfer students with fewer than 24 transferable college credit hours:

1. minimum transfer GPA of 2.75 for fewer than 24 transfer hours, **and**
2. meet first-year admission requirements

Transfer students with more than 24 transferable college credit hours:

1. Minimum transfer GPA of 2.75 for 24 or more transfer hours, **and**
2. If ASU Admission Services requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.

Available online

Additional information

Program description

The BSE program in engineering management is designed to provide students with skills required for effective management and leadership of engineering-driven enterprises.

The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices and organizational behavior and with the development of management skills, enabling the graduate to succeed in the management of a scientific or engineering enterprise. Topics covered include project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management, in addition to product design and process development.

Graduates have a deep understanding of at least one industry sector based on the focus area courses.

Concurrent program options

Students pursuing concurrent degrees (also known as a “double major”) earn two distinct degrees and receive two diplomas. Working with their academic advisors, students can create their own concurrent degree combination. Some combinations are not possible due to high levels of overlap in curriculum.

Accelerated program options

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an accelerated bachelor's plus master's degree with:

- Global Management (Creative Industries and Design Thinking), MGM
- Global Management (Data Science), MGM
- Global Management (Digital Audience Strategy), MGM
- Global Management (Global Affairs), MGM
- Global Management (Global Business), MGM
- Global Management (Global Development and Innovation), MGM
- Global Management (Global Digital Transformation), MGM
- Global Management (Global Entrepreneurship), MGM
- Global Management (Global Health Care Delivery), MGM
- Global Management (Global Legal Studies), MGM
- Global Management (Nonprofit Leadership and Management), MGM
- Global Management (Public Administration), MGM
- Global Management (Public Policy), MGM
- Global Management (Sustainability Solutions), MGM
- Global Management (Sustainable Tourism), MGM
- Global Management, MGM
- Industrial Engineering, MS

Acceptance to the graduate program requires a separate application. Students typically receive approval to pursue the accelerated master’s during the junior year of their bachelor's degree program.

Global opportunities
Global experience

Students gain valuable experience through study abroad, and with more than 300 Global Education programs available, they can tailor their experience to their unique interests and skills.

As students learn to thrive in a global environment, they build communications skills, are challenged to adapt and persevere, and are exposed to research and internships across the world, in addition to increasing their professional networks.

Participation in a Global Education program, whether in a foreign country, in the U.S. or online, provides students with heightened cultural competency, which will enhance their resumes and help them stand out in a competitive field.

Career opportunities

An engineering management graduate is prepared to begin a career as a:

- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or similar role
- Graduates are ready to progress through successively higher levels of management responsibility.

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