Arizona State University (Tempe campus)

Construction Management and Technology, BS

Study details

Course type: Bachelor's degree
Degree: Construction Management and Technology, BS ESCONMGTBS
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.

First-year admission:

1. minimum 1210 SAT combined evidence-based reading and writing plus math score or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class, and
2. no high school math or science competency deficiencies

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 3.00 for fewer than 24 transfer hours, and
2. no high school math or science competency deficiencies, and
3. minimum 1210 SAT combined evidence-based reading and writing plus math score (or 1140 if taken prior to March 5, 2016) or minimum 24 ACT combined score, or a minimum high school cumulative GPA of 3.00 in ASU competency courses, or class ranking in top 25% of high school class

Transfer students with 24 or more transferable college credit hours must meet either the primary or the secondary criteria (not both):

Primary criteria

1. minimum transfer GPA of 3.00 for 24 or more transfer hours, and
2. no high school math or science competency deficiencies (if ASU Admission Services requires submission of a high school transcript)

Secondary criteria

1. minimum transfer GPA of 2.50 for 24 or more transfer hours, and
2. minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses)

Additional information

Program description

The BS program in construction management and technology allows students to specialize in construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects.

Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of construction projects in the built environment.

This program focuses on the business of construction and technology, such as building information modeling.

Students learn the basics of design; the construction methods specific to each type of construction (heavy, residential, commercial, specialty); and the process of sustainable or green construction. They learn how to estimate, schedule and control the costs of a project and what it takes to manage the people involved and the various types of contracts. Graduates possess the computer, management, technical and people skills they need to succeed.

This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

This program is accredited by the American Council for Construction Education: https://www.acce-hq.org/

Accredited by the Applied and Natural Science Commission of ABET, https://www.abet.org, under the General Criteria and the Construction Management Criteria.

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:

- Construction Management and Technology, MS
- Public Administration, MPA

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 enhance their resumes with the valuable experience they gain through study abroad. With over 300 programs available, study abroad allows students to tailor their experience to their unique interests and skill sets. Students in construction management and technology are able to gain hands-on experience, heightened cultural competency, and leadership and critical thinking skills while studying abroad. They earn ASU credit for completed courses while staying on track for graduation, and they may apply financial aid and scholarships toward program costs.

Career opportunities

The construction management and technology program provides a foundation for those who wish to pursue careers as project managers, project engineers, estimators or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial or residential projects.

Graduates of the heavy construction emphasis area are prepared for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

Graduates of the commercial and residential emphasis areas are prepared for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. They are also prepared to enter the sustainable or green construction market.

Graduates of the specialty construction emphasis are prepared to organize, lead and manage the building process at the subcontractor level and for careers as contractors working with mechanical and electrical systems. They are also prepared for careers in management at specialty contracting firms, such as those with expertise in control systems, electrical distribution or heating, and ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations, semiconductor manufacturing plants and commercial facilities.