

What new freshmen
should know about a
major in

ENGINEERING

Degree Programs

- Civil Engineering (BS)
- Computer Engineering (BS)
- Electrical Engineering (BS)
- Industrial Engineering (BS)
- Manufacturing Engineering (BS)
- Mechanical Engineering (BS)
- Computer Science (BA/BS)
- Construction Management (BS)

Computer Science

- Design/development of software systems and applications

Construction Management

- Complex planning, scheduling
- Estimating
- Controlling costs
- Managing people, machines and materials

Declaration Requirements

- Complete any required academic development and high school deficiency courses
- Complete MATH 120 - College Algebra (or high school equivalent) with a grade of C or better,
- Have a cumulative GPA of 2.0 or better in any completed University course work

Note: Students interested in any of the majors offered by the School of Engineering should declare a major as soon as possible.

Admission to Upper Division Engineering Courses

- SATISFACTORY COMPLETION OF LOWER-DIVISION GENERAL EDUCATION COURSES (English, speech, chemistry, mathematics, and physics) shown in the first two years of the program with a GPA of 2.0
- SATISFACTORY COMPLETION OF LOWER-DIVISION ENGINEERING COURSES (CS, CE, ECE, ME) shown in the first two years of the program with a grade of C or better
- An approved APPLICATION FOR ADMISSION TO UPPER-DIVISION ENGINEERING COURSES. This form is available at all Engineering department offices.

Additional Information

- All Engineering majors (except Construction Management and Computer Science BA) require 3 semesters of Lab Sciences and 3 semesters of Calculus
- Construction Management includes a Business Administration Minor
- The BA in Computer Science requires a minor

First semester considerations

- To enroll in Chem131 you must have:
 - completed College Algebra or high school equivalent
 - ACT Math sub-score of 22 or above
 - one year of High School Chemistry with grades of C or above

OR

- a passing score on the Chemistry Readiness Test

OR

- passed Chem113 with grade of C or above

First semester considerations

- Students starting in a mathematics course below Math150 (Calculus I) will require more than the 8 academic semesters to graduate
- The 16-18 semester hour load outlined in the curriculum guide is very rigorous. Many students opt to distribute coursework over the summer or additional semesters
- Students will need to study 2 hours outside of class for every hour in class to be successful

First year courses for Engineering majors

- IME 106 Engineering Problem Solving
- Chemistry
- Mathematics
- Writing

First year courses for Computer Science majors

- CS 111 Concepts of Computer Science
- CS 140 Introduction to Computing I
- IME 106 Engineering Problem Solving
- Mathematics
- Writing

First year courses for Construction Management majors

- CNST 120 Intro to Construction
- Chemistry
- Mathematics
- Writing