

B.E. in Engineering

[Overview](#)

[Degree Requirements](#)

Description

The B.E. program is more broadly focused than the B.S. in engineering science programs. The B.E. is designed to provide students the opportunity to gain an understanding of engineering, scientific, and technical knowledge, which will enhance their career objectives in such areas as engineering science, medicine, law, professional education, public policy, military, management, and sales.

Minimum Total Credit Hours: 127

General Education Requirements

In addition to the courses specified by the School of Engineering general education requirements, the following are required: Math 263-264 and Math 353; laboratory science to be fulfilled by Chem 105, 106, 115, 116 and Phys 211, 212, 221, 222.

Course Requirements

Candidates for the B.E. degree must complete the following courses: CSci 251; Engr 207, 309, 310, 313, 321, 330, 362, 363, 400; 9 hours of technical engineering electives; 6 additional hours of humanities/social science/fine arts beyond the 18 hours School of Engineering core/general education requirement; 33 hours of an approved emphasis area. By the choice of emphasis area, students may choose to prepare to continue their education in - medicine, - dentistry, - law, - business, or - graduate school in various fields of study. The qualifications for the 9 hours of technical electives: any combination of courses offered by the School of Engineering with a minimum of two courses at the 200-level or higher, and at least one of the two courses needs to be at the 300-level or higher, for a combined total of 9 credit hours.

Specializations

- [B.E. in Engineering - Terminal Path](#)
- [B.E. in Engr - Pre-Professional Path](#)
- [B.E. in Engr - Telecommunications Path](#)
- [Emphasis - Aerospace Studies](#)
- [Emphasis - Business Administration](#)
- [Emphasis - Manufacturing](#)
- [Emphasis - Military Science](#)
- [Emphasis - Naval Science](#)
- [Emphasis - Pre-Med Studies](#)
- [Emphasis - Secondary Chemistry Education](#)
- [Emphasis - Secondary Mathematics Educ](#)
- [Emphasis - Secondary Physics Education](#)

