Standard Option

B.S. in Engineering

Description
The B.S. in engineering provides the student with a fundamental knowledge of engineering science and prepares graduates for a variety of careers in industry and government, or for advanced study in engineering, business, or professional school.

Minimum Total Credit Hours: 127

General Education Requirements

- Writ 101 and 102
- 3 hours of fine arts
- 3 hours of humanities
- 3 hours of fine arts or humanities
- 3 hours of social science
- 3 additional hours of humanities, social science, or a general education course as defined by the School of Engineering
- Econ 310
- Math 261, 262, 263, 264, and 353
- Chem 105, 106, 115, 116
- Phys 211, 212, 221, 222

Course Requirements

- Engr 100 or Engr 102,
- Engr 309, 310, 313, 314, 321, 323, 330, 360, 361, 400, and Engr 450
- Manf 460
- 12 hours of engineering electives
  - 3 hours of which must be above the 200 level and
  - 9 hours of which must be above the 300 level

Standard Option

Description
This emphasis is based on individually designed curricula that permit the student to obtain a strong background in engineering while simultaneously giving the student a broad education outside these areas of study. The 24 hours of emphasis courses must be organized around a coherent theme and must be pre-approved by the director of general engineering.

Course Requirements

- 24 hours of an approved emphasis area