Emphasis - Manufacturing

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

Emphasis - Manufacturing

Description
Manufacturing Emphasis - This emphasis stresses manufacturing science and technology, while providing a cross-disciplinary foundation in business and accountancy to meet the need for qualified managerial and technical professionals in the rapidly expanding field of manufacturing. The curriculum provides core knowledge in engineering and manufacturing fundamentals with electives in accountancy, business, management information systems, and management and marketing. The student should consult with and obtain the approval of his/her academic adviser for the selection of the desired option courses.

Course Requirements
For an emphasis in manufacturing, students must complete the following 24 hours:
- Manf 150, 152, 252, 253, 255, 351, 353, 355, 455
- Accy 201, 202
- Bus 250

Additionally, students must take Econ 202 and Econ 203 as part of the SS/Hum/FA courses.