School of Engineering

Overview

Academics & Admissions

Departments

Programs

Minors

Courses

Faculty

Awards

Degrees Offered

The programs of study offered by the School of Engineering are chemical engineering, civil engineering, computer & information science, electrical engineering, geology & geological engineering, and mechanical engineering.

The four-year Bachelor of Science curricula in these fields are designed to prepare students for the practice of the profession of engineering.

The four-year Bachelor of Engineering curricula are extremely broad and are designed to provide students the opportunity to gain an understanding of engineering, scientific, and technical knowledge that will enhance their career objectives in such areas as, for example, engineering science, medicine, law, military, management, and sales.

The School of Engineering offers through its graduate program the Master of Science and Doctor of Philosophy degrees in engineering science.

College of Liberal Arts

Computer & Information Science

- B.A. in Computer Science

School of Engineering

- B.S. in Engineering
  - Emphasis - Aerospace Studies
  - Emphasis - Business Administration
  - Emphasis - Manufacturing
  - Emphasis - Military Science
  - Emphasis - Naval Science
  - Emphasis - Pre-Med Studies
  - Standard Option

Biomedical Engineering

- B.S.B.E. in Biomedical Engineering
  - Emphasis - Biodevices
  - Emphasis - Bioinformatics
  - Emphasis - Biomolecular
  - Emphasis - Pre Med

Chemical Engineering

- B.S.Ch.E. in Chemical Engineering
  - Emphasis - Biotechnology
  - Emphasis - Environmental
  - Emphasis - Manufacturing
  - Emphasis - Materials
  - Pre-Med Option
  - Standard Option

M.S. in Engineering Science

- Emphasis - Aerocoustics
- Emphasis - Chemical Engineering
- Emphasis - Environmental Engineering
- Emphasis - Materials Science and Engr

Ph.D. in Engineering Science

- Emphasis - Aerocoustics
- Emphasis - Chemical Engineering
- Emphasis - Environmental Engineering
Civil Engineering
- B.S.C.E. in Civil Engineering
  - Emphasis - Environmental
  - Emphasis - Standard
- M.S. in Engineering Science
  - Emphasis - Civil Engineering
  - Emphasis - Environmental Engineering
  - Emphasis - Hydrology & Comp Hydroscience
  - Emphasis - Materials Science and Engr
- Ph.D. in Engineering Science
  - Emphasis - Civil Engineering
  - Emphasis - Environmental Engineering
  - Emphasis - Hydrology & Comp Hydroscience
  - Emphasis - Materials Science and Engr

Computer & Information Science
- B.S.C.S. in Computer Science
  - Emphasis - Computer Security
  - Emphasis - Data Science
- M.S. in Engineering Science
  - Emphasis - Computer Science
- Ph.D. in Engineering Science
  - Emphasis - Computer Science

Electrical and Computer Engineering
- B.S.Cp.E. in Computer Engineering
  - Emphasis - Manufacturing
- B.S.E.E. in Electrical Engineering
  - Emphasis - General Program
  - Emphasis - Manufacturing
- M.S. in Engineering Science
  - Emphasis - Computer Engineering
  - Emphasis - EE (Electromagnetics)
  - Emphasis - Electrical Engineering
  - Emphasis - Telecommunications
- Ph.D. in Engineering Science
  - Emphasis - Computer Engineering
  - Emphasis - EE (Electromagnetics)
  - Emphasis - Electrical Engineering

Geology & Geological Engineering
- B.S.G. in Geology
- B.S.G.E. in Geological Engineering
- M.S. in Engineering Science
  - Emphasis - Environmental Engineering
  - Emphasis - Geological Engineering
  - Emphasis - Geology
  - Emphasis - Hydrology & Comp Hydroscience
- Ph.D. in Engineering Science
  - Emphasis - Environmental Engineering
  - Emphasis - Geological Engineering
  - Emphasis - Geology
  - Emphasis - Hydrology & Comp Hydroscience

Mechanical Engineering
- B.S.M.E. in Mechanical Engineering
  - Emphasis - Manufacturing
- M.S. in Engineering Science
  - Emphasis - Aeroacoustics
Emphasis - Hydrology & Comp Hydroscience
Emphasis - Materials Science and Engr.
Emphasis - Mechanical Engineering

Ph.D. in Engineering Science
Emphasis - Aeroacoustics
Emphasis - Hydrology & Comp Hydroscience
Emphasis - Materials Science and Engr.
Emphasis - Mechanical Engineering