

# 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 toprepare 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.E. in Engineering
  - Emphasis Accelerated Law (3+3)
  - Emphasis Aerospace Studies
  - Emphasis Business Administration
  - Emphasis Manufacturing
  - Emphasis Military Science
  - Emphasis Naval Science
  - Emphasis Pre-Med Studies
  - Standard Option
- · 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 Bioinformatics
  - Emphasis Biomedical
  - Emphasis Biomolecular

## **Chemical Engineering**

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





- Emphasis Chemical Engineering
- Ph.D. in Engineering Science
  - Emphasis Chemical 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
- Ph.D. in Engineering Science
  - Emphasis Civil Engineering
  - Emphasis Environmental Engineering

#### **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 EE (Electromagnetics)
  - Emphasis Electrical Engineering
  - Emphasis Telecommunications
- Ph.D. in Engineering Science
  - 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 Geological Engineering
  - Emphasis Geology
  - Emphasis Hydrology
- Ph.D. in Engineering Science
  - Emphasis Geological Engineering
  - Emphasis Geology
  - Emphasis Hydrology

#### **Mechanical Engineering**

- B.S.M.E. in Mechanical Engineering
  - Emphasis Manufacturing
- M.S. in Engineering Science
  - Emphasis Aeroacoustics
  - Emphasis Computational Hydroscience
  - Emphasis Materials Science and Engr.
  - Emphasis Mechanical Engineering
- Ph.D. in Engineering Science
  - Emphasis Aeroacoustics
  - Emphasis Computational Hydroscience







- Emphasis Materials Science and Engr.
- Emphasis Mechanical Engineering