

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 Engineering](#)
 - [Emphasis - Aerospace Studies](#)
 - [Emphasis - Business Administration](#)
 - [Emphasis - Entrepreneurship](#)
 - [Emphasis - Global Security Studies](#)
 - [Emphasis - Intelligent Security Studies](#)
 - [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](#)
- [M.S. in Engineering Science](#)
 - [Emphasis - Biomedical Engineering](#)
- [Ph.D. in Engineering Science](#)
 - [Emphasis - Biomedical Engineering](#)

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 - Aeroacoustics](#)
 - [Emphasis - Chemical Engineering](#)
 - [Emphasis - Environmental Engineering](#)
 - [Emphasis - Materials Science and Engr](#)
- [Ph.D. in Engineering Science](#)
 - [Emphasis - Aeroacoustics](#)
 - [Emphasis - Chemical Engineering](#)
 - [Emphasis - Environmental Engineering](#)
 - [Emphasis - Materials Science and Engr](#)

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](#)
- [B.S.D.S. in 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](#)
 - [Standard Option](#)
- [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](#)

