

B.S. in Software Engineering

The Bachelor of Science degree in Software Engineering is designed to prepare students for an entry-level software engineering position in the industry that supports the design and implementation of software systems with a focus on real-time, embedded, and safety-critical applications. Such systems are critical in aviation, space, medicine, and other disciplines that rely on high-quality, dependable software. The objectives of the Software Engineering program are that our graduates:

- Demonstrate achievements in their chosen profession
- Contribute to the development of the profession
- Engage in professional growth and behave ethically
- Contribute to the welfare of society through service

The curriculum is designed to facilitate the accomplishment of these objectives by program graduates. It provides a broad education, including fundamental knowledge about computer software and hardware. It also allows graduates to work in a team environment and to recognize the value of collaborative effort. The program lays a foundation for lifelong learning, professional growth, and ethical and responsible behavior in society.

The Software Engineering (B.S.) program is accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Software and Similarly Named Engineering Programs Program Criteria.