

Engineering Technology

Mission Statement

The mission of the Department of Mechanical Engineering is to offer baccalaureate degree programs of excellence in engineering that serve the needs of the west Florida region, the state, and the nation. The Bachelor of Science in Engineering Technology prepares individuals to assume roles in network, telecommunications, and instructional systems support in a wide variety of organizations, including those with main missions of training, education, and distance learning. These roles include design, development, implementation, maintenance, and adaptation of technologies to meet the organizational goals.

Student Learning Outcomes

UWF Engineering Technology graduates should be able to do the following:

Content

- An ability to Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Critical Thinking

- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Communication

- An ability to communicate effectively with a range of audiences.

Integrity/Values

- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Project Management

- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Assessment of Student Learning Outcomes

Assessment in the program comes from the required courses and are direct assessments of the student's work. These are based on ABET assessment processes, even though the program itself is not ABET accredited.

Employment Opportunities for Engineering Technology Graduates

According to the Bureau of Labor Statistics the median salary for Mechanical Engineering Technologists (closest related job title) is \$56,250. There is an expected job growth of 3% in the next 10 years. Engineering Technology majors can fill a number of jobs in maintenance and technology related fields.

Find Out More about Degree Program Name at UWF:

<https://uwf.edu/hmcse/departments/mechanical-engineering/undergradmajors/bs-engineering-technology/>