

STUDENT LEARNING OUTCOMES

Engineering, Professional Undergraduate Certificate

This certificate program is focused on engineering professional knowledge. The Engineering Professional Certificate prepares students to achieve licensure and other valued industry certifications. The certificate will help students learn engineering fundamentals as well as specific industry skills.

Student Learning Outcomes

Content

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

Critical Thinking

- 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.

Assessment of Student Learning Outcomes

Engineering is accredited by ABET and we will use the same assessment strategy here. Each outcome will be mapped to a course and they will be assessed on a 3-year cycle.

Job Prospects for Engineering Professional Certificate Graduates

According to the UWF Engineering Advisory Board, this certificate will enhance the employment prospects of students. The certifications are in demand from regional employers.

Find out more about Engineering Professional Certificate at UWF:

<https://catalog.uwf.edu/undergraduate/mechanicalengineering/#engineeringprofessionalcertificatetext>