University of West Florida

Academic Learning Compact

ELECTRICAL ENGINEERING TECHNOLOGY

Mission Statement

The Division is to insure that its graduates, in their full diversity, achieve mastery of the skill sets that will enable them not only to perform the professional work tasks in their respective fields competently but prepare them to assume roles as strategic team members who can apply innovative planning and problem-solving to further the goals of their organizations.

Student Learning Outcomes

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

Content

- Recognize, describe, and apply Electrical Engineering Technology concepts and processes in work environment
  - -- Analytical Engineering
  - -- Economics
  - -- Quantitative Technique
  - -- Production Methods
  - -- Engineering
- Use professional terminology accurately
- Describe career opportunities available in the profession

Critical Thinking

- Analyze real-world electrical engineering technology problems comprehensively
- Conduct appropriate research to assist in problem solving
- Create and evaluate solutions for problems in electrical engineering
- Design, develop, implement, and maintain electrical and electronic systems

Communication

- Communicate effectively with clients, end-users, and customers orally and in writing
- Select and employ appropriate analytic engineering computational techniques
- Use technology effectively
- Integrate software tools (e.g., programming languages and computer-assisted drawing into communication skills)

Integrity/Values

- Recognize typical ethical conflicts in the profession
- Practice appropriate ethical judgment

Project Management

- Work with others effectively to accomplish electrical engineering technology projects
- Deliver electrical engineering technology solutions on time
- Identify accurately own strengths and weaknesses as a problem-solver

Assessment of Student Learning Outcomes

Throughout their program, Electrical students demonstrate what they have learned through classroom assignments, hands-on activities involving laboratory and field work, as well as applied research and creative activities. The curriculum emphasizes collaborative and individualized projects, building skills of the specialization, teamwork, and project management that engage students in applying classroom knowledge to real-world applications. All students participate in field experiences, senior projects, or internships as a capstone experience to the program.

Job Prospects for Graduates in Engineering Technology

Electrical Contractor
Electronics Manufacturer Technician
Control Engineering Technologist
Electronics Design Engineer
Control Systems Specialist
Instrument Technician
Power Engineering Technologist
Medical Equipment Technician
Communication Technician
Maintenance Technician
Telecommunication Specialist

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http://uwf.edu/ect/