

Bachelor of Science with Major in Electronics Engineering Technology

Educational Objectives

After completing the program, the graduate will be able to:

1. Be employed in areas related to electronics.
2. Continue his/her professional development through degree-granting studies and professional certifications.
3. Be a member of professional organizations and actively participate in professional improvement activities.
4. Obtain job promotions and professional recognition.
5. Serve the community and contribute to environmental protection using the knowledge acquired through the program.

Student Outcomes (Graduating Student Profile)

Program graduates will be able to:

- a. Select and apply knowledge, techniques, skills and modern tools of the discipline to broadly-defined activities in electronics engineering technology;
- b. Select and apply knowledge of math, science, engineering and technology to electronics engineering technology problems that require the application of principles and applied procedures or methodologies;
- c. Conduct standard tests and measurements; to conduct, analyze and interpret experiments; and to apply experimental results to improve processes;
- d. Design systems, components, or processes for broadly-defined electronics engineering technology problems appropriate to program educational objectives;
- e. Function effectively as a member or leader of a technical team;
- f. Identify, analyze and solve broadly-defined electronics engineering technology problems;
- g. Apply written, oral and graphical communication in both technical and non-technical environments; identify and use appropriate technical literature;
- h. Recognize the need for and have an ability to engage in self-directed continuing professional development;
- i. Recognize and commit to address professional and ethical responsibilities including a respect for diversity;
- j. Recognize the impact of electronics engineering technology solutions in a societal and global context;
- k. Be committed to quality, timeliness and continuous improvement.

Revised: November 14, 2014

Note: As revised and approved by the Electronics Department Advisory Committee and the program faculty in November, 2013. Approved by the Dean of Academic Affairs and the Vice President for Academic Affairs in July, 2015.