A.S. ELECTRONIC ENGINEERING TECHNOLOGY

ABET | Engineering Technology Accreditation Commission

The Electronic Engineering Technology Program is accredited by the Engineering Technology Accreditation Commission ***(ETAC)*** of **ABET**, http://www.abet.org

The Electronic Engineering Technology curriculum prepares individuals to become technicians who design, build, install, test, troubleshoot, repair, and modify developmental and production electronic components, equipment, and systems such as industrial/computer controls, manufacturing systems, communications systems, and power electronic systems. The program is designed to prepare the individual to become a competent electronic technician capable of working and communicating with engineers, scientists, and production personnel. Their work requires the application of scientific and mathematical theory as well as specialized knowledge and skills in some aspect of technology.

Program Educational Objectives

Graduates of the Electronics Engineering Technology Program are expected to attain the following objectives:

1. Apply their knowledge in math, science, and engineering technology to solve technical problems related to electronic systems (electricity, analog and digital circuits, electronic communication, and microprocessor / embedded systems).
2. Manage, interpret, and communicate technical and non-technical documents in cross functional teams.
3. Apply ethical principles and show respect for diversity and culture.
4. Recognize the importance of continually improving their knowledge through continuing education and formal studies.

Student Outcomes

1. an ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve well-defined engineering problems appropriate to the discipline;
2. an ability to design solutions for well-defined technical problems and assist with the engineering design of systems, components, or processes appropriate to the discipline;
3. an ability to apply written, oral, and graphical communication in well-defined technical and non-technical environments; and an ability to identify and use appropriate technical literature
4. an ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results; and
5. an ability to function effectively as a member of a technical team

Program Criteria Outcomes (ABET):

Our curriculum prepares graduates to have competence in the following curricular areas:

a. the application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation, and maintenance of electrical/electronic(s) systems; and

b. the application of natural sciences and mathematics at or above the level of algebra and trigonometry to the building, testing, operation, and maintenance of electrical/electronic systems**.**

Enrollment and Graduation Electronic Engineering Technology Program

Enrollment for the last years. The number of enrolled students, and the number of graduates, in the past five years is summarized in the following table:

Year	2017-18	2018-19	2019-20	2020-21	2021-22
Enrollment	35	39	38	36	23
Graduates	3	2	7	4	5

Completion Rates: *The Completion Rate is defined as all students who entered the determined admission term (includes readmissions, transfers, specials, etc.) in search of a university degree and have completed it 150% of the time. The changes made by the student during the period under analysis are not considered.*

- 2016: 7.7 %
- 2017: 28.6 %
- 2018: 15.0 %

View Program (curriculum)