

Electrical Engineering Technology

Associate in Applied Science Degree

This program prepares students to fill careers in specialized fields of electronics including electrical machinery, control systems, digital and microprocessors, telecommunications and for continued study at the baccalaureate level in Engineering Technology. The program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. Purchase of a scientific calculator, digital multi-meter, basic hand tools, and electronic breadboard is required for this program. Recommended student preparation prior to entry into this program includes two high school mathematics courses and one laboratory science course (physics and chemistry are recommended). Students well-prepared in mathematics may substitute a higher level mathematics sequence upon approval of the Dean. Elective courses may be included in this program to match students' interests and to focus on career or continuing education goals.

- Students well prepared in mathematics may substitute a higher mathematics sequence with the approval of the academic school Dean.

(a) Social Science Restricted Electives: AN101 Biological Anthropology, BM101 Survey of Economics, PS101 American National Government, PY101 Introduction to General Psychology, GE101 Essentials of World Geography, or SO101 Introduction to Sociology.

Total Credit Hours: 64

First Semester

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|---|-----|
| CF100 College Foundations Seminar | 1.0 |
| EN101 English 1: Composition | 3.0 |
| ET151 Circuits 1 | 4.0 |
| ET153 Introduction to Electronics | 2.0 |
| ET154 Computer Programming | 2.0 |
| MA121 Fundamentals of College Mathematics 1 | 4.0 |
| Physical Education Elective | 0.5 |

Second Semester

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| EN102 English 2: Ideas and Values in Literature | 3.0 |
| ET152 Circuits 2 | 4.0 |
| ET161 Linear Electronics | 3.0 |
| ET181 Digital Electronics 1 | 3.0 |
| MA122 Fundamentals of College Mathematics 2 | 4.0 |
| Physical Education Elective | 0.5 |

Third Semester

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| ET262 Operational Amplifiers | 4.0 |
| ET282 Digital Electronics 2 | 3.0 |
| Social Science Elective (a) | 3.0 |
| ET283 Microprocessor Fundamentals | 4.0 |
| Physical Education Elective | 0.5 |

Fourth Semester

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|-----------------------------------|-----|
| ET274 Telecommunications Concepts | 4.0 |
| ET284 Design & Layout | 3.0 |
| ET285 Motors and Controls | 4.0 |
| PH151 General Physics 1 | 4.0 |
| Physical Education Elective | 0.5 |

Preparation for this program should include:

- Two high school mathematics courses, or the equivalent.
- One laboratory science (physics and chemistry are recommended).