

Electronic Engineering Technology - General Option A.A.S.

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NOTICE(s): For the A.A.S. Degree in Electronic Engineering Technology, General Option, the student must complete a minimum of 76 credit hours—a minimum of 61 technical courses and 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student need and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

Program: **Electronic Engineering Technology**

Type: Associate in Applied Science Degree

Written Composition

| Item # | Title | Credits |
|---------|-----------------------|---------|
| ENG 101 | English Composition I | 3 |
| | Sub-Total Credits | 3 |

Humanities and Fine Arts

| Item # | Title | Credits |
|--------|-------------------------------|---------|
| | Humanities/Fine Arts Elective | 3 |
| | Sub-Total Credits | 3 |

Natural Sciences and Mathematics

| Item # | Title | Credits |
|---------|---|---------|
| INT 104 | Principles of Technology | 3 |
| | MTH 100: Intermediate College Algebra OR numerically higher | 3 |
| | Sub-Total Credits | 6 |

History, Social and Behavioral Sciences

| Item # | Title | Credits |
|--------|--|---------|
| | History, Social and Behavioral Sciences Elective | 3 |
| | Sub-Total Credits | 3 |

Technical Courses - Required

| Item # | Title | Credits |
|---------|--|---------|
| EET 100 | Introduction to Engineering Technologies | 3 |
| | INT 101 or EET 103 | 3 |
| | INT 103 or EET 104 | 3 |
| EET 109 | Electrical Blueprint Reading I | 3 |
| EET 114 | Concepts of Solid State Electronics | 5 |
| EET 115 | Concepts of Digital Electronics | 5 |
| EET 116 | Concepts of Electronic Circuits | 5 |
| EET 119 | Circuit Fabrication I | 1 |
| EET 225 | Electronics Communications | 3 |
| EET 260 | Microprocessors Interfacing | 3 |
| EET 261 | Microprocessors Interfacing Laboratory | 1 |
| ORI 101 | Orientation to College | 1 |
| | Sub-Total Credits | 36 |

Additional Coursework:

Choose 25 credit hours from the following list.

| Item # | Title | Credits |
|---------|---|-----------|
| CIS 146 | Microcomputer Applications | 3 |
| EET 192 | Installation Practices | 3 |
| | EET 195, 196 or 197 | 1-3 |
| EET 207 | Intro to Robotics | 3 |
| EET 208 | Fiber Optics | 3 |
| EET 212 | Intro to Robotics Lab | 2 |
| EET 213 | Process Control and Instrumentation | 3 |
| EET 224 | Elements of Industrial Controls with PLCs | 3 |
| EET 229 | Elements of Industrial Controls with PLCs Lab | 2 |
| EET 234 | Robotic Systems | 3 |
| EET 238 | Process Control and Instrumentation Lab | 2 |
| EET 239 | Robotic Systems Lab | 2 |
| EET 249 | Cet Preparation | 3 |
| EET 252 | Electronic Service Lab | 1 |
| EET 254 | Microcomputer Systems Basic I | 3 |
| EET 255 | Microcomputer Systems Basic I Lab | 2 |
| EET 256 | Microcomputer Systems Advanced I | 3 |
| EET 257 | Microcomputer Systems Advanced I Lab | 2 |
| EET 262 | Industrial Automation Project | 3 |
| EET 276 | Elements of Industrial Controls with PLCs II | 3 |
| EET 277 | Elements of Industrial Controls with PLCs II Lab | 2 |
| EET 281 | Special Topics in Electronic Engineering Technology | 3 |
| EET 286 | Co-Op | 1 |
| EET 288 | Co-Op | 2 |
| EET 290 | Electronics Project | 3 |
| EET 294 | Co-Op Education | 3 |
| | MDT 105 or DDT 104 | 3 |
| SPH 106 | Fundamentals of Oral Communication | 3 |
| | Sub-Total Credits | 70-72 |
| | Total credits: | 76 |