

MICROCONTROLLERS CERTIFICATE

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Students who obtain the Microcontroller Certificate have demonstrated their ability to install, integrate, and program microcontrollers. Microcontrollers are commonly used in products and equipment that require a small dedicated computer to control functions.

Electronic Engineering Technology Major

Technical Standards

See here for details.

| Code | Title | Hours |
|-------------------------------|---------------------------------------|-----------|
| Math Elective | | |
| Minimum 3 Credits | | |
| IMT 1911 | Technical Math I | 3 |
| MTH 1370 | College Algebra | 4 |
| MTH 1210 | Mathematics I | 3 |
| Manufacturing Elective | | |
| Minimum 13 Credits | | |
| CPT 1120 | Introduction to VB Programming | 3 |
| CPT 2320 | C# Programming | 3 |
| EET 1110 | Circuit Analysis I | 3 |
| EET 1120 | Circuit Analysis II | 3 |
| EET 1330 | Digital Circuits | 4 |
| EET 2310 | Microcontroller Fundamentals | 4 |
| ENV 1300 | OSHA Regulations and Safety | 3 |
| EET 2900 | Electric Codes and Application | 2 |
| IMT 2260 | Industrial Electronic Controls | 3 |
| IMT 2820 | Mechanical Power Transmission Systems | 2 |
| MET 1000 | Engineering Graphics with AutoCAD | 3 |
| or MET 1010 | Blueprint Reading and Sketching | |
| or MET 1020 | Material Science | |
| or MET 1110 | Manufacturing Processes | |
| or MET 1130 | Statics | |
| or MET 2210 | Strength of Materials | |
| or MET 2440 | Computer Aided Design | |
| Total Hours | | 16 |

 Capstone

Rhodes State College's Electronic Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET.