

# ELECTRONIC SYSTEMS TECHNOLOGY CERTIFICATE

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The program prepares students to meet the demands of a career in Electro-mechanical technology combining electrical circuits and mechanical technology. The program prepares students to operate, test, and maintain modern integrated electro-mechanical systems. In addition to quality classroom and laboratory instruction, students will gain real-world experiences through internship opportunities.

Electronic Engineering Major

## Technical Standards

See here for details.

Code	Title	Hours
<b>Math Elective</b>		
Minimum 3 Credits		
IMT 1911	Technical Math I	3
IMT 1921	Technical Math II	3
MTH 1210	Mathematics I	3
MTH 1370	College Algebra	4
MTH 1430	Trigonometry	3
<b>Electrical Elective</b>		
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 1130	Electronics	4
EET 1330	Digital Circuits	4
EET 2030	Motor Controls	3
EET 2200	Panel Wiring and Arc Flash Safety	3
EET 2310	Microcontroller Fundamentals	4
EET 2900	Electric Codes and Application	2
EET 2911	Programmable Logic Controllers	3
ENV 1300	OSHA Regulations and Safety	3
FMS 2110	Basic Robotics and Mechatronics	3
FMS 2130	Industrial Mechatronics and Robotics	3
IMT 2170	Industrial Motor Drives	2
IMT 2260	Industrial Electronic Controls	3
<b>Total Hours</b>		<b>16</b>

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