

ELECTRONIC ENGINEERING TECHNOLOGY

Charles Butcher, DM, **Chair**
 Phone: (419) 995- 8372
 Email: butcher.c1@RhodesState.edu
 Office: 131 JJC

Electronic Engineering Technology encompasses the study of electronic engineering technologies. Students desiring a broad-based education or who desire to possibly pursue a Bachelor's degree in Electronic Engineering Technology should consider enrolling in the Electronic Engineering Technology program.

Electronic engineering technicians use state-of-the-art measuring and diagnostic equipment. While engineering principles, mathematics, and physics provide a theoretical base, practical (hands-on) experience is also important. Technicians will learn to design, build, and troubleshoot electronic circuits of their own. Students begin by analyzing basic series and parallel DC and AC circuits and progress through amplifiers and integrated circuits. The electronics program also includes digital logic, microprocessor studies, and programmable logic controllers. These devices monitor and control various processes automatically. The aim of the curriculum is to teach hardware and software programming design and implementation of this equipment, as well as the development of software needed for programming it.

Technical Standards

See here for details.

Tech Prep Partner

See here for details.

Electronic Engineering Technology Major Associate of Applied Science Degree Structured Course Sequence (4 Semester Plan)

First Year

First Semester		Hours
COM 1110✍	English Composition	3
EET 1110	Circuit Analysis I	3
EET 1330✍	Digital Circuits	4
MET 1000	Engineering Graphics with AutoCAD	4
MTH 1370	College Algebra	4
SDE 1010✍	First Year Experience	1
Term Hours		19

Second Semester

CPT 1120	Introduction to VB Programming	3
EET 1120	Circuit Analysis II	3
EET 1130	Electronics	4
MTH 1430	Trigonometry	3
PSY 1010✍ or SOC 1010	General Psychology or Sociology	3
Term Hours		16

Second Year

First Semester

COM 2110	Public Speaking	3
EET 2030	Motor Controls	3
EET 2320	C# Programming	3
EET 2910	Programmable Controllers	3
EET 2991	Field Experience	1
PHY 1120	Physics I	4
Term Hours		17

Second Semester

COM 1140	Technical Writing	3
EET 2310✍	Microcontroller Fundamentals	4
EET 2530✍ 🎓	Electronic Engineering Technology Capstone	1
PHY 1130	Physics II	4
Term Hours		12
Total Hours		64

See here for Portfolio and Capstone information.

Please consult an advisor or the course description section of this catalog.

Prerequisites:

Students should check course prerequisites before registering.

✍ Portfolio

🎓 Capstone

The Rhodes State College Electronic Engineering Technology (EET) program is accredited by the:

Engineering Technology Accreditation Commission of ABET
 415 North Charles Street, Baltimore, MD 21202-4012
 (410) 347-7700

website: <http://www.abet.org>