



ELECTRONICS ENGINEERING TECHNOLOGY ELECTRONIC INSTRUMENTATION

PROGRAMS AVAILABLE

ASSOCIATE DEGREES

- Electronics Engineering Technology
- Electronic Instrumentation
- Programming

\$68,140

median annual salary
for engineering technicians
in S.C. in 2018

U.S. Bureau of Labor Statistics

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Electronic instrumentation technicians test, certify, install, repair, inspect, maintain, and assist in developing complex instruments that measure and record changes in industrial environments. Using engineering data and considering the limitations of the equipment being tested, they develop specifications for nonstandard apparatus and equipment. In addition, technicians troubleshoot, repair and perform preventive maintenance on test apparatus and peripheral equipment.

The EIT curriculum has a co-op program established with South Carolina Electric & Gas, BP-Amoco, International Paper and other industry partners. Students who co-op during Spring II will register for EIT 240 and receive credit for EIT 220 and EIT 242. Students planning to attend a four-year institution after graduation should consult with their advisors early in the program concerning transfer COURSES.

**WE ARE THE ONLY TECHNICAL COLLEGE IN
S.C. THAT OFFERS AN ASSOCIATE DEGREE IN
THIS FIELD OF ENGINEERING TECHNOLOGY.**



Orangeburg-Calhoun Technical College
3250 St. Matthews Road • Orangeburg, SC 29118

**ASSOCIATE DEGREE IN APPLIED SCIENCE
ELECTRONICS ENGINEERING TECHNOLOGY - ELECTRONIC INSTRUMENTATION**

ALSO AVAILABLE: ASSOCIATE DEGREE IN APPLIED SCIENCE
IN ELECTRONICS ENGINEERING TECHNOLOGY - PROGRAMMING

76 SEMESTER HOURS

		<u>Class</u>	<u>Lab</u>	<u>Credit</u>
FALL I				
EGR 108	Engineering Ethics	3.0	0.0	3.0
EET 113	Electrical Circuits I	3.0	3.0	4.0
EGR 130	Engineering Technology Applications & Programming	2.0	3.0	3.0
MAT 175	Algebra & Trigonometry I	3.0	0.0	3.0
EGT 152	Fundamentals of CAD	<u>2.0</u>	<u>3.0</u>	<u>3.0</u>
		13.0	9.0	16.0
SPRING I				
EET 141	Electronic Circuits	3.0	3.0	4.0
PHY 201	Physics I	3.0	3.0	4.0
MAT 176	Algebra & Trigonometry II	3.0	0.0	3.0
EGR 112	Engineering Programming	<u>2.0</u>	<u>3.0</u>	<u>3.0</u>
		11.0	9.0	14.0
SUMMER				
EET 145	Digital Circuits (or EET 140 & EET 143)	3.0	3.0	4.0
PHY 202	Physics II	3.0	3.0	4.0
EIT 110	Principles of Instrumentation	2.0	3.0	3.0
PSY 103	Human Relations	<u>3.0</u>	<u>0.0</u>	<u>3.0</u>
		11.0	9.0	14.0
FALL II				
EET 227	Electrical Machinery	2.0	3.0	3.0
ENG 160	Technical Communications	3.0	0.0	3.0
EIT 211	Intro to Electronic Instrumentation I	3.0	6.0	5.0
EIT 215	Fundamental Industrial Instrumentation Procedure	2.0	0.0	2.0
EET 235	Programmable Controllers	<u>2.0</u>	<u>3.0</u>	<u>3.0</u>
		12.0	12.0	16.0
SPRING II				
EIT 212	Introduction to Electronic Instrumentation II	3.0	6.0	5.0
EIT 220	Control Principles	2.0	3.0	3.0
EIT 242	Senior Project in Electronic Instrumentation	0.0	3.0	1.0
EIT 244	Computers & PLC's in Instrumentation	2.0	3.0	3.0
HSS 105	Technology & Culture (or HSS 101)	3.0	0.0	3.0
IDS 112	Employability Skills for Careers	<u>1.0</u>	<u>0.0</u>	<u>1.0</u>
		11.0	15.0	16.0
SPRING II (CO-OP OPTION)				
EIT 240	Supervised Work Experience (Replaces EIT 220 & EIT 242)	0.0	40.0	8.0