



Electronic Engineering Technology - Industrial Electronics Specialization A.A.S.

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu;
 Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu
East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;
 Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

		STUDENT PROGRESS	
		<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:	3		
• ENG 101 - English Composition I	3		
Area II — Humanities and Fine Arts:	3		
• Humanities/Fine Arts**	3		
Area III — Natural Science or Mathematics:	6		
• INT 104 - Principles of Technology	3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....	3		
Area IV — History, Social and Behavioral Sciences:	3		
• Economics, Geography, History, Political Science, Psychology, or Sociology	3		
Area V — Technical Core Courses:	16		
Required Courses for all options of Electronic Engineering Technology			
• EET 100 - Introduction to Engineering Technologies.....	3		
• EET 103 - DC Fundamentals OR INT 101 - DC Fundamentals	3		
• EET 104 - AC Fundamentals OR INT 103 - AC Fundamentals	3		
• EET 109 - Electrical Blueprint Reading I.....	3		
• EET 225 - Electronics Communications.....	3		
• ORI 101 - Orientation to College.....	1		
Additional Coursework:	45		
• CIS 146 - Microcomputer Applications.....	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 192 - Installation Practices.....	3		
• EET 195 - Selected Topics in EET OR EET 196 - Selected Topics in EET OR EET 197 - Selected Topics in EET	1-3		



STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• 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 Control with PLCs 3	_____	_____
• * EET 229 - Elements of Industrial Control 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 260 - Microprocessors Interfacing..... 3	_____	_____
• EET 261 - Microprocessors Interfacing Laboratory..... 1	_____	_____
• EET 262 - Industrial Automation Project..... 3	_____	_____
• EET 276 - Elements of Industrial Control with PLCs II..... 3	_____	_____
• EET 277 - Elements of Industrial Control with PLCs II Lab..... 2	_____	_____
• ELT 118 - Commercial/Industrial Wiring I 3	_____	_____
• ELT 122 - Advanced AC/DC Machines..... 3	_____	_____
• INT 117 - Principles of Industrial Mechanics..... 3	_____	_____
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required courses for Electronic Engineering Technology, Industrial Electronics Specialization**

Total Hours Required for Degree:..... 76

NOTICE(s): For the A.A.S. Degree in Electronic Engineering Technology, Industrial Electronics Specialization, the student must complete a minimum of 76 credit hours – a minimum of 61 in technical courses and a minimum of 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 needs 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.

****Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.