

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

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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.

**Program:** **Electronic Engineering Technology**

**Type:** Associate in Applied Science Degree

## Written Composition

Item #	Title	Credits
ENG 101	English Composition I	3
	Sub-Total Credits	3

## Humanities and Fine Arts

Item #	Title	Credits
	Humanities/Fine Arts Elective	3
	Sub-Total Credits	3

## Natural Sciences and Mathematics

Item #	Title	Credits
INT 104	Principles of Technology	3
	MTH 100: Intermediate College Algebra OR numerically higher	3
	Sub-Total Credits	6

## History, Social and Behavioral Sciences

Item #	Title	Credits
	History, Social and Behavioral Sciences Elective	3
	Sub-Total Credits	3

## Technical Courses - Required

Item #	Title	Credits
EET 100	Introduction to Engineering Technologies	3
EET 109	Electrical Blueprint Reading I	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 213	Process Control and Instrumentation	3
EET 224	Elements of Industrial Controls with PLCs	3
EET 225	Electronics Communications	3
EET 229	Elements of Industrial Controls with PLCs Lab	2
EET 238	Process Control and Instrumentation Lab	2
	INT 101 or EET 103	3
	INT 103 or EET 104	3
ORI 101	Orientation to College	1
	Sub-Total Credits	42

## Additional Coursework:

Choose 19 credit hours from the following list.

Item #	Title	Credits
CIS 146	Microcomputer Applications	3
EET 192	Installation Practices	3
	EET 195, 196 or 197	1-3
EET 207	Intro to Robotics	3
EET 208	Fiber Optics	3
EET 212	Intro to Robotics Lab	2
EET 234	Robotic Systems	3
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 Controls with PLCs II	3
EET 277	Elements of Industrial Controls with PLCs II Lab	2
EET 286	Co-Op	1
EET 288	Co-Op	2
EET 294	Co-Op Education	3
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 or DDT 104	3
SPH 106	Fundamentals of Oral Communication	3
	Sub-Total Credits	59-61
	<b>Total credits:</b>	<b>76</b>