

AAS_ETE1

Fall and Spring Start – Full Time

First Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
CSC 105	Computer Literacy GEN ED	3	n/a
ELT 106	Fundamentals of DC/AC	4	n/a
ELT 146	Digital Devices	3	Co-req ELT 106
ELT 165	Electronic Assembly	3	n/a
MAT 107	Career Math GEN ED	3	See testing
		Total	16

Second Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
CAD 100	Blueprint Reading for CAD	3	Co-Req CAD 101
CAD 101	Computer Aided Drafting I	3	Pre-Req/Co-Req CAD 100
EIC 253	Fiber Optics	1	
EIC 259	Industrial Ethernet	1	ELT 106, EIC 253
ELT 258	Programmable Logic Controllers	3	CAD 100, ELT 106, ELT 146, ELT 252
ELT 262	Intro to Microcontrollers (ELT 261 prior)	3	ELT 106, ELT 146
ELT 267	Introduction to Robotics	1	CAD 100, CAD 101, ELT 106, ELT 146
ENG 131	Technical Writing GEN ED	3	See testing
		Total	18

Third Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
COM 225	Organizational Communication GEN ED	3	See testing
EIC 230	Instrument Process Control	4	ELT 106, ELT 146, ELT 258
ELT 257	Sensors & Transducers	3	CAD 100, ELT 106, ELT 146, ELT 267, MAT 107
ELT 259	Advanced Programmable Logic Controller	3	ELT 258
ELT 268	Robotics Technologies	3	CAD 100, ELT 106, ELT 267
		Total	16

Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
EIC 245	SCADA	4	EIC 230, ELT 106, ELT 146, EIC 230, ELT 258, ELT 268
ELT 252	Motors & Controls	3	CAD 100, ELT 106
ELT 266	Advanced Assembly	3	ELT 165
MAC 240*	CAD/CAM 2D* or CAD 102 for CAD Certificate	3	MAC 101
PSY 100	Psych of Workplace Relationship GEN ED	3	See testing
		Total	16

ELECTIVE: AEC 255 Professional Workplace Skills & Presentation

ELECTIVE: CAD 255 SolidWorks

ELECTIVE: EIC 280 or ELT 280 Internship

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