

AAS_ETE1

Fall and Spring Start – Full Time

First Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
CSC 1005	Computer Literacy (GEN ED)	3	n/a
ELT 1206	Fundamentals of DC/AC	4	College Quantitative Literacy
ELT 1246	Digital Devices	3	ELT 106 or concurrent enrollment
ELT 1004	Electronic Assembly	3	n/a
MAT 1140	Career Math (GEN ED)	3	College Quantitative Literacy or Co-Req MAT 087
		Total	16

Second Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
CAD 1100	Blueprint Reading for CAD	3	Co-Req CAD 1101
CAD 1101	Computer Aided Drafting I	3	Pre-Req/Co-Req CAD 1100
EIC 2770	Fundamentals of Industrial Networks	3	ELT 1206
ELT 2358	Programmable Logic Controllers	3	CAD 1100, ELT 1206, ELT 1246, MAT 1140
ELT 2362	Intro to Microcontrollers (ELT 261 prior)	3	ELT 1246
ELT 2367	Introduction to Robotics	1	Co-reqs: CAD 1100, CAD 1101, ELT 1206, ELT 1246
ENG 1031	Technical Writing 1: CO1 (GEN ED)	3	College Reading & Writing Literacy or Co-Req ENG 077 or Co-req CCR 094 (for ENG 121)
		Total	19

Third Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
COM 2250	Organizational Communication (GEN ED)	3	College Reading & Writing Literacy
EIC 2330	Instrument Process Control	4	Pre-Req ELT 1206, ELT 1246, Co-Req/Pre-Req ELT 2358
ELT 2357	Sensors & Transducers	3	CAD 1100, ELT 1206, ELT 1246, ELT 2367, MAT 1140, ELT 2362 (needs to be added)
ELT 2359	Advanced Programmable Logic Controller	3	ELT 2358
ELT 2368	Robotics Technologies	3	ELT 2367
		Total	16

Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Requisite
EIC 2340	SCADA	4	Pre-Req ELT 1206, ELT 1246, Pre-Req/Co-Req EIC 2330, ELT 2358, EIC 2770
ELT 2252	Motors & Controls	3	CAD 1100, ELT 1206
ELT 2266	Advanced Assembly	3	ELT 1004
MAC 2040*	CAD/CAM 2D or *CAD 102 for CAD Certificate	3	ELT 2358
PSY 1005	Psych of Workplace Relationship (GEN ED)	3	College Reading & Writing Literacy
		Total	16

ELECTIVE: AEC 255 Professional Workplace Skills & Presentation

ELECTIVE: CAD 255 SolidWorks

ELECTIVE: EIC 280 or ELT 280 Internship

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