

**ASSOCIATE OF APPLIED SCIENCE IN ELECTRO-MECHANICAL TECHNOLOGY (3570)**

Prerequisite Semester – 6 Hours

CETT	1303	DC Circuits	3
ENTC	1347	Safety and Ergonomics	3

First Year

First Semester – 16 Hours

CETT	1305	AC Circuits	3
COSC	1300	Computer Literacy	3
ELMT	1305	Basic Fluid Power	3
ENGL	1301	Freshman Composition	3
PHYS	1405	Introduction to Physics	4

Second Semester – 16 Hours

CETT	1329	Solid State Devices	3	
CETT	1415	Digital Applications	4	
ETWR	2301	Technical Writing for Electro-Mechanical Technology	3	
INCR	1302	Physics of Instrumentation	3	
SOCI	1301	Introduction to Sociology	3	
or	PSYC	2301	Introduction to Psychology	

Summer Session – 6 Hours

	SPCH	1321	Business and Professional Speech	3
	HUMA	1301	Introduction to Humanities	3
or	PHIL	1301	Introduction to Philosophy	
or	PHIL	2303	Logic	
or	PHIL	2306	Ethics	

Second Year

First Semester – 15 Hours

CETT	1321	Electronic Fabrication	3
ELMT	1301	Programmable Logic Controllers	3
ENTC	1349	Reliability and Maintainability	3
INTC	1357	AC/DC Motor Control	3
RBTC	1305	Robotic Fundamentals	3

Second Semester – 12 Hours

	ELMT	2333	Industrial Electronics	3
	ELMT	2339	Advanced Programmable Logic Controllers	3
	ELMT	2341	Electromechanical Systems	3
	ELMT	2337*	Electronic Troubleshooting, Service, & Repair	3
or	ELMT	2380*	Co-Op Education	

Total Hours

71

