

Advisor's Checklist EL-EM—Electromechanical Starting July 2018 --Technology – Milford Campus

Student: _____ Advisor: _____
 Quarter Entered: summer 2018 _____ Quarter Graduating: Spring 2020 _____
 Goal: Associate of Applied Science Degree
 All courses listed are required, a 2.0 GPA is required for graduation

Course #	Course Title	Prerequisite(s) or Co-requisite Need a C or higher in non-competency courses below.	Semester Credits	Quarter	Grade
First Quarter July 2018					
ELEC1132	D.C. Principles I	MATH0950		4.5	
ELEC1133	D.C. Principles II	ELEC1132		4.5	
ENGL1110	Business Communications			4.5	
BSAD1010	Microsoft Applications I	Prerequisites: Keyboarding skills and prior computer experience recommended.		4.5	
MATH1050				4.5	
Total Credits – 1 st Quarter				22.5	
Second Quarter September 2018					
ELEC1232	A.C. Principles I	ELEC1133, MATH1050		4.5	
ELEC1233	A.C. Principles II	ELEC1232		4.5	
PHYS1017	Technical Physics			4.5	
SPCH1110	Public Speaking			4.5	
ECON1200	Personal Finance			4.5	
Total Credits – 2 nd Quarter				22.5	
Third Quarter January 2019					
ELEC1337	Sketching & CAD			3	
WELD1184	Welding for EM's			3	
ELEC1356	Fluid Power	MATH1050		6	
MACH1121	Manufacturing Process I			3.5	
MACH1131	Manufacturing Process II			3	
Total Credits – 3 rd Quarter				18.5	
Fourth Quarter March 2019					
ELEC1344	Motor Controls	ELEC1233		1.5	
ELEC1436	Power Transmissions and Lubricants	MACH1121, MACH1131		3	
ELEC1446	Industrial Machines & Mechanical Systems	ELEC1356, ELEC1337, MACH1121, MACH1131, WELD1184		6	
ELEC1464	Transformers & 3 phase systems	ELEC1233		4.5	
ELEC1474	Predictive Maintenance Principles	ELEC1233		3	
Total Credits – 4 th Quarter				18	
August 2019 Semester start					
ELEC2564	Industrial Electronics	ELEC1233, CO-REQ=ELEC2534	6		
ELEC2534	Programmable Logic Controllers I	ELEC1344, CO-REQ=ELEC2564	3		
ELEC2546	Electrical Machine Controls	ELEC1344	2		
ELEC2555	Industrial Communications and Alarm Systems	ELEC1233	2		
			13		
January 2020 Semester					
ELEC2614	Robotics and Integrated Automation	CO-REQ=ELEC2624	5.5		
ELEC2624	Programmable Logic Controllers II	ELEC2534, ELEC2564, CO-REQ=2614	6		
Total Credits – 6 th Quarter Graduation May 2020			11.5		
			Total Program Credit Hours	24.5	81.5