

**Industrial Maintenance and Electrical Technology eMap**

Student Name: \_\_\_\_\_ ID# \_\_\_\_\_

**Diploma/Degree Schedule Assuming Start in Spring**

Industrial Motor Controls (4)  
 DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Core Class (3)

OR

Industrial Motor Controls (4)  
 Electrical Prints/Schematics (4)  
 Industrial Wiring (4)

OR

Industrial Motor Controls (4)  
 DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Low Voltage Controls (2)

OR

DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Industrial Motor Controls (4)  
 Electrical Prints/Schematics (4)

**Diploma/Degree Schedule Assuming Starting in Summer**

Low Voltage Controls (3)  
 Industrial Motor Controls (4)

OR

Electrical Prints/Schematics (3)  
 Industrial Wiring (3)

OR

Electrical Controls (4)  
 Low Voltage Controls (3)

**Diploma/Degree Schedule Assuming Starting in Fall**

Industrial Motor Controls (4)  
 DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Core Class (3)

OR

Industrial Motor Controls (4)  
 Electrical Prints/Schematics (4)  
 Industrial Wiring (4)

OR

Industrial Motor Controls (4)  
 DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Low Voltage Controls (2)

OR

DC Circuit Analysis (3)  
 AC Circuit Analysis (3)  
 Industrial Motor Controls (4)  
 Electrical Prints/Schematics (4)

**If you need learning support in MATH, ENGLISH, or READING, those must be taken**

**Diploma Core: MATH 1012, PSYC 1010, ENGL 1010**

**Degree Core: Check the college catalog for core options**

Area I: ENGL 1101 Composition and Rhetoric  
 Area II: Social/Behavioral Sciences  
 Area III: Natural Sciences/Mathematics – MATH 1111  
 Area IV: Humanities/Fine Arts  
 PHYS 1110 Conceptual Physics  
 PHYS 1110L Conceptual Physics Lab (Must be taken with PHYS 1110)

**Program Electives: Choose One**  
 IDSY 2500 Industrial Environment Internship  
 MCHT 1011 Intro to Machining  
 MCHT 1012 Blue Print for Machining  
 DFTG 1101 CAD Fundamentals  
 AUMF 1150 Introduction to Robotics  
 UAST 1100 Drone Applications  
 ENGT 1000 Intro to Engineering

<b>Course Name</b>	<b>Course Number</b>	<b>Fall</b>	<b>Summer</b>	<b>Spring</b>	<b>Requirements:</b>
Low Voltage Controls	ELTR 1120	X	X	X	
Diagnostic Troubleshooting	ELTR 1250	X	X	X	*Pre REQ is Motor Controls
Electrical Controls	ELTR 1180		X		
Electrical Prints/Schematics	ELTR 1230	X	X	X	**Take together with IDSY 1130
DC Circuit Analysis	IDSY 1101	X		X	**Take together with IDSY 1105
AC Circuit Analysis	IDSY 1105	X		X	**Take together with IDSY 1101
Industrial Motor Controls	IDSY 1110	X	X	X	*Pre REQ is DC/AC Circuits and MATH 1111
Basic Industrial PLC's	IDSY 1120	X			**Take together with IDSY 1220
Intermediate Industrial PLC's	IDSY 1220	X			**Take together with IDSY 1110
Industrial Wiring	IDSY 1130	X	X	X	**Take together with ELTR 1230
Fluid Power Systems	IDSY 1190			X	**Take together with IDSY 1195
Pumps and Piping Systems	IDSY 1195			X	**Take together with IDSY 1190
Introduction to Robotics	AUMF 1150	X		X	*Pre REQ is PLC's
Internship	IDSY 2500	X	X	X	
Introduction to Computer Literacy or Computer Programming	COMP 1000 or ECET 1191 - Take with any semester				Core can be taken with any semester

This eMAP along with meeting regularly with your program advisor and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate from CTC.