

 	CAREER ENHANCEMENT CERTIFICATE ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY – INDUSTRIAL CONTROLS	2024-25 Catalog Effective Summer 2024
	<i>The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.</i>	

4409

Business, Engineering, and Information Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 or Pre-Co-MTH135	
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) and EET120	
EET126	Electrical Machines	4	Pre-Co-EET122	
EET227	PLCs and Industrial Controls I	3	EET120 or EST230	
EET228	PLCs and Industrial Controls II	3	EET227	
MTH135	Precalculus [^] – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement</i>	5	MTH025 or Proficiency	
TOTAL CREDIT HOURS		23		

STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- and Co-requisites</u>
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 or Pre-Co-MTH135 MTH025 or Proficiency
MTH135	Precalculus [^] - <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement</i>	<u>5</u>	
		9	
<u>Second Semester</u>			
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) and EET120
EET126	Electrical Machines	4	Pre-Co-EET122
EET227	PLCs and Industrial Controls I	<u>3</u>	EET120 or EST230
		11	
<u>Third Semester</u>			
EET228	PLCs and Industrial Controls II	<u>3</u>	EET227
		3	
TOTAL CREDITS		23	

[^]Based on SSC placement scores

The classes in this certificate also apply toward the completion of an Electrical/Electronic Engineering Technology Degree (4100) and an Electrical Maintenance Technology (4404).