

 	<b>CAREER ENHANCEMENT CERTIFICATE</b> <b>ELECTRICAL/ELECTRONIC ENGINEERING</b> <b>TECHNOLOGY – INDUSTRIAL ELECTRICITY</b> <b>AND ELECTRONICS</b>	<b>2024-25 Catalog</b> Effective Summer 2024
	4410	

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.

Business, Engineering, and Information Technologies Division

Engineering Technology Department

Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
MTH135	Precalculus <sup>^</sup> – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	MTH025 <b>or</b> Proficiency	
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 <b>or</b> Pre-Co-MTH135	
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) <b>and</b> EET120	
EET123	Electronic Devices and Circuits	4	EET120 <b>and</b> Pre-Co-EET122	
EET227	PLCs and Industrial Controls I	3	EET120 <b>or</b> EST230	
EET232	Industrial Electronics	4	EET123 <b>and</b> EET227	
EET128	NEC and Electrical Systems Design	2	EET122	
<b>TOTAL CREDIT HOURS</b>		<b>26</b>		

### 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>
MTH135	Precalculus <sup>^</sup> – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	MTH025 <b>or</b> Proficiency
EET120	DC Circuit Analysis	<u>4</u>	Pre-Co-MTH125 <b>or</b> Pre-Co-MTH135
		<b>9</b>	
<u>Second Semester</u>			
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) <b>and</b> EET120
EET227	PLCs and Industrial Controls I	3	EET120 <b>or</b> EST230
EET123	Electronic Devices and Circuits	<u>4</u>	EET120 <b>and</b> Pre-Co-EET122
		<b>11</b>	
<u>Third Semester</u>			
EET232	Industrial Electronics	4	EET123 <b>and</b> EET227
EET128	NEC and Electrical Systems Design	<u>2</u>	EET122
		<b>6</b>	
<b>TOTAL CREDITS</b>		<b>26</b>	

<sup>^</sup>Based on SSC placement scores

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