

 	CAREER ENHANCEMENT CERTIFICATE ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY – INDUSTRIAL ELECTRICITY AND ELECTRONICS <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>	2025-26 Catalog Effective Summer 2025
		4410

Business, Engineering, and Information Technologies Division

Engineering Technology Department

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

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.

First Semester

MTH135	Precalculus [^] – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	Credit Hours 5	Pre- and Co-requisites MTH025 or Proficiency
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EET120	DC Circuit Analysis	4	Pre-Co-MTH125 or Pre-Co-MTH135
		9	

Second Semester

EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) and EET120
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EET227	PLCs and Industrial Controls I	3	EET120 or EST230
EET123	Electronic Devices and Circuits	4	EET120 and Pre-Co-EET122
		11	

Third Semester

EET232	Industrial Electronics	4	EET123 and EET227
EET128	NEC and Electrical Systems Design	2	EET122

TOTAL CREDITS

6
26

[^]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).