

 	ONE-YEAR CERTIFICATE SEMICONDUCTOR CLEANROOM <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
			4104

Business, Engineering, and Information Technologies Division

Engineering Technology Department

TECHNICAL 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	
EET123	Electronic Devices and Circuits	4	EET120 and Pre-Co-EET122	
EET227	PLCs and Industrial Controls I	3	EET120 or EST230	
EET135	Semiconductor 101	4		
EET136	Introduction to Vacuum Systems	3		
EET137	Introduction to Manufacturing	3		
Total		25		
NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>	
MTH135	Precalculus^ – A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.	5	MTH025 or Proficiency	
Total		6		
TOTAL CREDIT HOURS		31		

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

Courses apply toward the completion of a AAS-Applications of Semiconductors (4103).

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FULL-TIME 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.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students seeking a one-year certificate.

<u>First Semester</u>		<u>Credit Hours</u>	<u>Pre- or Co-requisite</u>
SSC101	Student Success Seminar^^	1	<i>Take first semester</i>
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 or Pre-Co-MTH135
EET137	Introduction to Manufacturing	3	
MTH135	Precalculus^ – <i>A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.</i>	<u>5</u>	MTH025 or Proficiency
		13	
<u>Second Semester</u>			
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 or Pre-Co-MTH135) and EET120
EET227	PLCs and Industrial Controls I	3	EET120 or EST230
EET123	Electronic Devices and Circuits	4	EET120 and Pre-Co-EET122
EET135	Semiconductor 101	4	
EET136	Introduction to Vacuum Systems	<u>3</u>	
		18	
TOTAL CREDITS		31	

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester