ASSOCIATE OF APPLIED SCIENCE

ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY

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. 3357:15-13-06.

Engineering 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	
EET125	Circuit Manufacturing Techniques	1	EET120	
EET126	Electrical Machines	4	Pre-Co-EET122	
EET128	NEC and Electrical Systems Design	2	EET122	
EET226	Transmission and Distribution	3	EET122	
EET227	PLCs and Industrial Controls I	3	EET120 **or** EST230	
EET228	PLCs and Industrial Controls II	3	EET227	
EET232	Industrial Electronics	4	EET123	
EET233	Technical Project – Electrical/Electronic	1	EET123 **and** EET227	
	Total	**33**		

NON-TECH Course Number	Course Title	Credits	Pre- and Co-Requisites	Completed Sem./Year
SSC101	Student Success Seminar^^	1	*Take first semester*	
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)	
CSE229	Visual Basic Development	3	CSE122	
DET125	Basic AutoCAD	3		
EET263	Industrial Sensors and Advanced Applications	2	EET120 **or** EST230	
ENG124	College Composition^	3	ENG011 **or** Proficiency	
ENG221	Technical Report Writing	3	ENG124	
MTH135	Precalculus^ – *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.*	5	(MTH093 and MTH094) **or** Proficiency	
PHY121	College Physics I with Algebra (lab)^	4	MTH135 **or** (MTH125 and MTH130) **or** Proficiency	
	Select one (1) Arts & Humanities Elective from the list below.[1]	3	*Check for prerequisites*	
	Total	**30**		
	TOTAL CREDIT HOURS	**63**		

^Based on SSC placement scores
^^To promote student success, this course should be taken in the first semester
[1]Arts & Humanities Elective: ENG233, ENG234, ENG236, ENG237, HIS121, HIS122, PHL122

PART-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 part-time associate degree students who plan to finish in eight semesters.

First Semester		Credit Hours	Pre- and Co-requisites
SSC101	Student Success Seminar^^	1	*Take first semester*
CSE122	Programming Logic and Problem Solving^	3	(IDS102 or Proficiency) **and** (ITD100 or Proficiency)
MTH135	Precalculus^ – *A student may take MTH125 (College Algebra) and MTH130 (Trigonometry) over two semesters to satisfy this requirement.*	5	(MTH093 and MTH094) **or** Proficiency
		9	
Second Semester			
ENG124	College Composition^	3	ENG011 **or** Proficiency
EET120	DC Circuit Analysis	4	Pre-Co-MTH125 **or** Pre-Co-MTH135
		7	
Third Semester			
EET122	AC Circuit Analysis	4	(Pre-Co-MTH130 **or** Pre-Co-MTH135) **and** EET120
PHY121	College Physics I with Algebra (lab)^	4	MTH135 **or** (MTH125 and MTH130) **or** Proficiency
		8	
Fourth Semester			
EET123	Electronic Devices and Circuits	4	EET120 **and** Pre-Co-EET122
EET126	Electrical Machines	4	Pre-Co-EET122
		8	
Fifth Semester			
DET125	Basic AutoCAD	3	
EET128	NEC and Electrical Systems Design	2	EET122
EET227	PLCs and Industrial Controls I	3	EET120 **or** EST230
		8	
Sixth Semester			
ENG221	Technical Report Writing	3	ENG124
CSE229	Visual Basic Development	3	CSE122
EET263	Industrial Sensors and Advanced Applications	2	EET120 **or** EST230
		8	
Seventh Semester			
EET226	Transmission and Distribution	3	EET122
EET228	PLCs and Industrial Controls II	3	EET227
EET125	Circuit Manufacturing Techniques	1	EET120
		7	
Eighth Semester			
EET232	Industrial Electronics	4	EET123
EET233	Technical Project – Electrical/Electronic	1	EET123 **and** EET227
Arts & Humanities Elective[1]		3	*Check for prerequisites*
		8	
	TOTAL CREDITS	**63**	

See reverse side for footnotes.

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