



**ENGINEERING TECHNOLOGY**  
**ASSOCIATE OF APPLIED SCIENCE**

***ELECTRICAL ENGINEERING TECHNOLOGY***  
*Electro-Mechanical Major*

TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year
EET120	DC Circuit Analysis	4	
EET122	AC Circuit Analysis	4	
EET123	Electronic Devices & Circuits	4	
EET126	Electrical Machines	4	
EET227	PLC's & Industrial Controls I	3	
MET124	Statics & Strength of Materials	4	
MET123	Material Science	2	
MET225	Manufacturing Processes	3	
MET222	Fluid Power	4	
MET227	Thermodynamics and Heat Transfer	3	
DET125	Basic AutoCAD	3	
ETD121	Engineering Technology Seminar	1	
TOTAL		39	
BASIC/RELATED Course Number	Course Title	Credits	Completed Sem./Year
ECA127	Programming Logic and Problem Solving	3	
EET129	Optics	2	
PHY121	Physics I	4	
MTH125	College Algebra	4	
MTH128	Trigonometry	1	
MTH126	Pre-Calculus	4	
MTH221	Concepts of Calculus	3	
TOTAL		21	
NON-TECH Course Number	Course Title	Credits	Completed Sem./Year
ENG124	College Composition	3	
ENG221	Technical Report Writing	3	
COM121/COM123	Effective Speaking or Inter-group Communications	3	
	Select one (1) Arts/Humanities/Social Science elective from list below	3	
TOTAL		12	
TOTAL CREDIT HOURS		72	

Arts/Humanities/Social Science Electives: ACC130, PHL122, SOC121, SOC225

## FULL-TIME STUDENT - ADVISING NOTES

1. ACADEMIC ADVISING - Each student should make an appointment to see their advisor if they have difficulty registering on-line or have other questions.
2. COURSE SEQUENCE - The semester-by-semester listing below gives the normal scheduling option for full-time associate degree students who plan to finish in two years. Some courses can be scheduled as beginning courses in other semesters depending upon course availability and advisor's recommendation. Introduction to Algebra should be scheduled before College Algebra and Trigonometry by those whose pre-admission test indicates the need for it. Introduction to Algebra and selected technical and general studies courses are available summer term.
3. TECHNICAL ELECTIVES - Some programs provide for technical electives. Consult with your academic advisor to determine course availability.
4. BACHELOR'S DEGREE - In most of the associate degree programs, some courses may be applied towards a bachelor's degree in technology. Bachelor's degree requirements and course transferability are controlled by the institution to which the student plans to transfer. Please inform your advisor if you plan on completing a bachelor's degree after your SSCT engineering technology degree

### **ELECTRICAL ENGINEERING TECHNOLOGY – ELECTRO-MECHANICAL MAJOR**

<u>First Semester</u>	<u>Credit Hours</u>	<u>Prerequisite</u>
ECA127      Programming Logic and Problem Solving	3	-
EET120      DC Circuit Analysis	4	Co-MTH125
ETD121      Engineering Technology Seminar	1	-
ENG124      College Composition	3	ENG105 or Test
MTH125      College Algebra	4	MTH101 or MTH103 or Test
MTH128      Trigonometry	<u>1</u>	Co-MTH125
-	16	
<u>Second Semester</u>		
EET122      AC Circuit Analysis	4	EET120
EET123      Electronic Devices & Circuits	4	EET120 or EST130
EET126      Electrical Machines	4	Co-EET122
MTH126      Pre-Calculus	4	MTH125, MTH128
PHY121      Physics I	<u>4</u>	MTH125, MTH128
	20	
<u>Third Semester</u>		
MET123      Material Science	2	-
MET124      Statics & Strength of Materials	4	Co-PHY121
EET227      PLC's & Industrial Controls I	3	EET120 or EST130
MTH221      Concepts of Calculus	3	MTH126
ENG221      Technical Report Writing	3	ENG124
DET125      Basic AutoCAD	<u>3</u>	
	18	
<u>Fourth Semester</u>		
COM121/123    Effective Speaking or Inter-group Communications	3	ENG124
MET222      Fluid Power	4	MET124
MET225      Manufacturing Processes	3	-
MET227      Thermodynamics & Heat Transfer	3	MTH125, PHY121
EET129      Optics	2	PHY121
Arts/Humanities/Social Science elective	<u>3</u>	-
	18	
<b>TOTAL CREDITS</b>	<b>72</b>	

**Arts/Humanities/Social Science Electives:** ACC130, PHL122, SOC121, SOC225