Engineering Technology AAS Degree 1500007019

General Education Requirements: Required for all specializations

MAT 150	College Algebra and Functions OR	3	☐
MAT 126	Technical Algebra and Trigonometry OR	3	
MA 109	College Algebra	3	
PH 171	Applied Physics OR	4	☐
	Other Science with Consent of Advisor	3	
ENG 101	Writing I	3	☐
	Social Interaction	3	☐
	Oral Communications	3	☐
	Heritage/Humanities/Foreign Language	3	☐
	Subtotal:	18-19	

CORE Requirements: Required for all specializations

ELT 110	Circuits I	5	☐
ELT 114	Circuits II	5	☐
ELT 210	Devices I	4	☐
ELT 120	Digital I	3	☐
BRX 120	Basic Blueprint Reading	3	☐
	Computer Literacy Course	3	☐
ELT 289	ELT Capstone Course	1	☐
	Subtotal:	24	

List Technical Electives:

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*** Technical Electives:** Any EET, ET, ENGT, ELT, IMT, CIS, NIS, IT, ISM, CAD, ICT, MFG, or any other course as approved by the program coordinator.

Rev. May 4, 2011

Choose the required courses from the specialization area you are interested in. Each course must be completed to receive the credential.

Electronics Specialization: 150000707

ELT 214	Devices II	4	☐
ELT 220	Digital II	3	☐
	Technical Electives	13	☐
	TOTAL:	62-64	

Industrial Specialization: 150000704

ELT 214	Devices II	4	☐
ELT 220	Digital II	3	☐
EET 264	Rotating Machinery AND	2	☐
EET 265	Rotating Machinery Lab AND	2	
EET 270	Electrical Motor Controls I AND	2	
EET 271	Electrical Motor Controls I Lab	2	
EET 276	Programmable Logic Controllers AND	2	☐
EET 277	Programmable Logic Controllers Lab	2	
	Technical Electives	5	☐
	TOTAL:	66-68	

Computer Maintenance Specialization: 150000703

ELT 232	Computer Software Maintenance	3	☐
ELT234	Computer Hardware Maintenance	3	
ELT 220	Digital II	3	☐
NIS 160	Networking Core Technologies OR	3	☐
IT 120	Cisco Internetworking I	(4)	
CIT160	Data Comm. and Networking	(4)	
	Technical Electives	9	☐
	TOTAL:	63-66	

Robotics & Automation Specialization : 150000705

MTT 132	CAD / CAM / CNC	3	☐
ELT 265	Applied Fluid Power (FPX 100/101)	3	☐
ELT 260	Robotics and Industrial Automation	5	☐
EET 270	Electrical Motor Controls I AND	2	☐
EET 271	Electrical Motor Controls I Lab	2	
EET 276	Programmable Logic Controllers AND	2	☐
EET 277	Programmable Logic Controllers Lab	2	
	Technical Electives	5	☐
	TOTAL:	66-68	

Communications Specialization : 150000708

ELT 214	Devices II	4	☐
ELT 220	Digital II	3	☐
ELT 240	Electronics Communication	6	☐
	Technical Electives	9	☐
	TOTAL:	64-66	