

Engineering Technology, AS-ENGT (161500001)				60
Major Courses		21 Hours	Fall Semester I	
Introduction to Electronics	EET 1084	3	Introduction to Electronics	EET 1084 3
Computer Aided Drafting I	ETD 2320	3	Introduction to Quality Assurance	ETI 1110 3
Computer Aided Drafting II ^a	ETD 2340	3	Hydraulics and Pneumatics	ETM 2315 3
Introduction to Quality Assurance	ETI 1110	3	Industrial Safety	ETI 1701 3
Manufacturing Processes and Materials	ETI 1420	3	College Algebra	MAC 1105 3
Industrial Safety	ETI 1701	3	Spring Semester I	
Mechanical Measurement & Instrumentation	(Spring Only) ETM 1010	3	Mechanical Measurement & Instrumentation	ETM 1010 3
Specialization Courses: Advanced Manufacturing Track		21 Hours	Manufacturing Processes and Materials	ETI 1420 3
Production & Inventory Control	ETI 1644	3	Motors and Controls ^e	ETS 1511 3
Concepts of Lean Six Sigma Manufacturing ^{b c d}	ETI 2622	3	Introduction to Programmable Logic	ETS 1542 3
Hydraulics and Pneumatics	ETM 2315	3	Computer Aided Drafting I	ETD 2320 3
Motors and Controls ^e	(Spring Only) ETS 1511	3	Summer Semester I	
Automated Process and Control ^f	ETS 1535	3	Microcomputer Applications	CGS 1100 3
Mechanical Devices and Systems	ETM 2401	3	English Composition	ENC 1101 3
Introduction to Programmable Logic	ETS 1542	3	Fall Semester II	
General Education Requirements		18 Hours	Computer Aided Drafting II ^a	ETD 2340 3
Microcomputer Applications	CGS 1100	3	Mechanical Devices and Systems	ETM 2401 3
English Composition	ENC 1101	3	Any Area IV Social/Behavioral Science in AS	3
College Algebra	MAC 1105	3	Any Area V Humanities Course in AS	3
Any Area III Natural Science in AS	3		Spring Semester II	
Any Area IV Social/Behavioral Science in AS	3		Production & Inventory Control	ETI 1644 3
Any Area V Humanities Course in AS	3		Concepts of Lean Six Sigma Manufacturing ^{b c d}	ETI 2622 3
			Automated Process and Control ^f	ETS 1535 3
			Any Area III Natural Science in AS	3

Pre-Requisites:	
a.	ETD 2320 Computer Aided Drafting I
b.	ETM 1010 Mechanical Measurement & Instrumentation
c.	ETI 1110 Introduction to Quality Assurance
d.	ETI 1420 Manufacturing Processes and Materials
e.	EET 1084 Introduction to Electronics
f.	ETS 1542 Introduction to Programmable Logic

*** Credits Awarded For MSSC-CPT Certification ***		
Introduction to Electronics	EET 1084	3
Introduction to Quality Assurance	ETI 1110	3
Manufacturing Processes and Materials	ETI 1420	3
Industrial Safety	ETI 1701	3
Mechanical Measurement & Instrumentation	ETM 1010	3

Engineering Technology Support Specialist Certificate, CCC-ETS (061500007)				18
Major Courses		18 Hours	Fall Semester I	
Introduction to Electronics	EET 1084	3	Introduction to Electronics	EET 1084 3
Computer Aided Drafting I	ETD 2320	3	Introduction to Quality Assurance	ETI 1110 3
Introduction to Quality Assurance	ETI 1110	3	Industrial Safety	ETI 1701 3
Manufacturing Processes and Materials	ETI 1420	3	Spring Semester I	
Industrial Safety	ETI 1701	3	Computer Aided Drafting I	ETD 2320 3
Mechanical Measurement & Instrumentation	(Spring Only) ETM 1010	3	Manufacturing Processes and Materials	ETI 1420 3
			Mechanical Measurement & Instrumentation	ETM 1010 3

Automation Certificate, CCC-AM (061504061)				12
Major Courses		12 Hours	Fall Semester I	
Introduction to Electronics	EET 1084	3	Introduction to Electronics	EET 1084 3
Motors and Controls ^e	(Spring Only) ETS 1511	3	Introduction to Programmable Logic	ETS 1542 3
Introduction to Programmable Logic	ETS 1542	3	Spring Semester I	
Mechanical Devices and Systems	ETM 2401	3	Motors and Controls ^e	ETS 1511 3
			Mechanical Devices and Systems	ETM 2401 3

Pneumatics, Hydraulics and Motors for Manufacturing Certificate, CCC-PHMM (0615061303)				12
Major Courses		12 Hours	Fall Semester I	
Introduction to Electronics	EET 1084	3	Introduction to Electronics	EET 1084 3
Manufacturing Processes and Materials	ETI 1420	3	Hydraulics and Pneumatics	ETM 2315 3
Hydraulics and Pneumatics	ETM 2315	3	Spring Semester I	
Motors and Controls ^e	(Spring Only) ETS 1511	3	Manufacturing Processes and Materials	ETI 1420 3
			Motors and Controls ^e	ETS 1511 3

Mechatronics, CCC - MEC (061500013)				30
Major Courses		30 Hours	Fall Semester I	
Introduction to Electronics	EET 1084	3	Introduction to Electronics	EET 1084 3
Computer Aided Drafting I	ETD 2320	3	Manufacturing Processes and Materials	ETI 1420 3
Manufacturing Processes and Materials	ETI 1420	3	Industrial Safety	ETI 1701 3
Industrial Safety	ETI 1701	3	Introduction to Programmable Logic	ETS 1542 3
Hydraulics and Pneumatics	ETM 2315	3	Computer Aided Drafting I	ETD 2320 3
Mechanical Devices and Systems	ETM 2401	3	Spring Semester I	
Motors and Controls ^e	(Spring Only) ETS 1511	3	Automated Process and Control ^f	ETS 1535 3
Automated Process and Control ^f	ETS 1535	3	Mechanical Devices and Systems	ETM 2401 3
Introduction to Quality Assurance	ETI 1110	3	Motors and Controls ^e	ETS 1511 3
Introduction to Programmable Logic	ETS 1542	3	Introduction to Quality Assurance	ETI 1110 3
			Hydraulics and Pneumatics	ETM 2315 3