

Academic requirements for the Associate of Science Degree in Engineering (CIP 14.0101)

		<u>Credit Hours</u>
First Trimester		
ENGR 102	Advanced CAD	3
CHEM 121	General Chemistry I	3
CHEM 121L	General Chemistry I Lab	1
ENGL 101	Composition	3
MATH 162	Calculus I	<u>4</u>
Total First Trimester Credits		14
Second Trimester		
ENGL 102	Critical Reading and Writing	3
PHYS 160	Engineering Physics I	3
PHYS 160L	Engineering Physics I Lab	1
COSC 195	C Language	3
MATH 163	Calculus II	<u>4</u>
Total Second Trimester Credits		14
Third Trimester		
ENGR 110	Computer Aided Problem Solving	3
ENGR 211	Circuit Analysis I	3
ENGR 211L	Circuit Analysis I Lab	1
ENGL 219	Technical Writing	3
MATH 270	Ordinary Differential Equations	<u>4</u>
Total Third Trimester Credits		14
Fourth Trimester		
XXXX xxx	Technical Elective(s) (See Note Below)	6 to 9
XXXX xxx	Social/Behavioral Science Elective	3
ECON 200	Macroeconomics <u>OR</u>	
ECON 201	Microeconomics	<u>3</u>
Total Fourth Trimester Credits		12 to 15
Fifth Trimester		
XXXX xxx	Social/Behavioral Science Elective	3
XXXX xxx	Technical Electives (See Note Below)	<u>9 to 12</u>
Total Fifth Trimester Credits		12 to 15
Total Credit Hours Required:		69

**Note:** Consult Academic Advisor. Select from: ENGR 205, Engineering Statics; ENGR 212/212L, Circuit Analysis II and Lab; ENGR 213/213L, Electronics I and Lab; ENGR 215/215L, Strength of Materials and Lab; ENGR 222/222L, Digital Design I and Lab; ENGR 225, Engineering Dynamics; ENGR 231, Introduction to Fluid Mechanics; ENGR 280, Engineering Internship; or ENGR 295, Thermodynamics (Optional to include 3 credit hours from ENGR 280, Engineering Internship; ENGR 285, Design Project; ENGR 290, Special Topics; ELEC 101A/101L, Basic Electronics DC and Lab, or above; GIT 101, Digital Cartography, or above; ITCT 111, IT Essentials I, or above; RENG 220/220L, Introduction to Renewable Energy and Lab; or RENG 230/230L, Advanced Renewable Energy Systems)