

**Major: Mechanical & manufacturing Engineering Technology**

	Fall Semester		Spring Semester	
FIRST YEAR	EGT 116 Intro to Industrial materials & processes	3	EGT 265 Manufacturing Processes & Metrology	3
	EGT 162 D.C. Circuit Analysis	3	EGT 212 Computer Aided Drafting and Design	3
	Gen Ed Written Communication I: ENG 101 Colleger Writing <sup>1</sup>	3	STA 205 Introduction to Statistical Methods	3
	MAT 119 Pre-Calculus Mathematics	3	CHE 130 & 130L Chemistry, an Engineering Approach with lab	4
	Gen Ed	3	CMST 101 Public Speaking	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
	Fall Semester		Spring Semester	
SECOND YEAR	PHY 211 General Physics with lab I	4	MAT 129 Calculus I	4
	EGT Elective <sup>2</sup>	3	EGT 211 Quality Control	3
	EGT 267 Programming for Engineering Applications	3	EGT Elective <sup>2</sup>	3
	EGT 261 Engineering Materials	3	Gen Ed	3
	EGT 260 Ind Std Safety & Codes	3	Gen Ed	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
	Fall Semester		Spring Semester	
THIRD YEAR	EGT 310 Project management and Problem Solving	3	PHY 213 General Physics with lab II	4
	EGT 300 Statics and Strengh of Materials	3	EGT 340 Applied Dynamics	3
	EGT 365 Tool Design and Computer Numerical Control	3	EGT Eletive <sup>2</sup>	3
	EGT 386 EM instrum & Control	3	EGT 320 Robotic Systems & Material Handling	3
	EGT 301 Cooperative Education in Engineering technology	3	Gen Ed	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
	Fall Semester		Spring Semester	
FOURTH YEAR	EGT 361 Fluid Power	3	EGT 405 Metrology and GDT	3
	EGT 480 Machine Design	3	EGT Eletive <sup>2</sup>	3
	EGT 317 Intro to Capstone Project	1	EGT 417 Senior Design in Technology (repeat)	2
	EGT Eletive <sup>2</sup>	3	EGT 450 Thermodynamics and Heat Transfer	3
	Gen Ed	3	Elective to graduate with 120 hours	2
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>13</b>
			<b>Grand total</b>	<b>120</b>
<sup>1</sup> Qualified students (ENG ACT ≥26) should take ENG 151 instead of 101 and EGT 291W.				
<sup>2</sup> Students must have one of the following concentrations (Design or Quality) plus one optional course, in consultation with their advisor: EGT 412 and EGT 462; or EGT 321 and EGT 411. One of the followings: EGT 280, EGT 318, EGT 362, EGT 423 and EGT 465.				

