



Fall Term 1 <i>13 credit hours</i>		Hours	Notes
<ul style="list-style-type: none"> <li>CNC 101 CNC Machine Operator</li> <li>ELT 130 Introduction to Robotics</li> <li>ENG 101 College Composition I <i>Recommended Written Communication</i></li> </ul>		2 3 3	<b>Prerequisites:</b> Satisfactory score on the English skills assessment. Reading Proficiency.
1 <sup>st</sup> 8 weeks			
<ul style="list-style-type: none"> <li>MAT 182 Precalculus (Algebra) <i>Recommended Program Elective</i></li> </ul>		3	
2 <sup>nd</sup> 8 weeks			
<ul style="list-style-type: none"> <li>MAT 183 Precalculus (Trigonometry) <i>Recommended Program Elective</i></li> </ul>		2	
<b>Term hours subtotal:</b>		<b>13</b>	

Spring Term 1 <i>14 credit hours</i>		Hours	Notes
<ul style="list-style-type: none"> <li>MAT 221 Calculus and Analytical Geometry</li> <li>General Education Requirement <i>Arts and Humanities <b>OR</b> Social and Behavioral Sciences <b>OR</b> Institutions in the Americas</i></li> <li>EGR 110 Introduction to Digital Design</li> <li>ENG 102 College Composition II <i>Recommended Written Communication</i></li> </ul>		4 3 4 3	<p><b>Prerequisites:</b> MAT 187 OR (MAT 182 AND MAT 183) or satisfactory score on the mathematics skills assessment.</p> <p><b>Prerequisites:</b> Reading Proficiency. MAT 187 (or MAT 182 and MAT 183) (may be taken concurrently)</p> <p><b>Prerequisite:</b> ENG 101 or ENG 101A or ENG 103. Reading Proficiency.</p>
<b>Term hours subtotal:</b>		<b>14</b>	

Summer Term 1 <i>5 credit hours</i>		Hours	Notes
<ul style="list-style-type: none"> <li>MAT 230 Calculus and Analytical Geometry II</li> </ul>		5	<b>Prerequisites:</b> MAT 220
<b>Term hours subtotal:</b>		<b>5</b>	

Fall Term 2	18 credit hours	Hours	Notes
• CNC 201 Computer-Aided Programming for CNC		3	<b>Prerequisite:</b> CNC 101 (may be taken concurrently)
• PHY 150 Physics for Scientists and Engineers I		5	<b>Prerequisites:</b> MAT 220. One year of high school physics or PHY111/PHY 112 is strongly recommended. Reading Proficiency.
• EGR 102 Introduction to Engineering		3	<b>Prerequisites:</b> MAT 187 OR (MAT 182 AND MAT 183). Reading Proficiency.
• MAT 241 Calculus III Recommended Program Elective		4	<b>Prerequisite:</b> MAT 230
• General Education Requirement Arts and Humanities <b>OR</b> Social and Behavioral Sciences <b>OR</b> Institutions in the Americas		3	
<b>Term hours subtotal:</b>		<b>18</b>	

Spring Term 2	14 credit hours	Hours	Notes
• PHY 151 Physics for Scientists and Engineers II		5	<b>Prerequisites:</b> MAT 230 and PHY 150. Reading Proficiency.
<b>1<sup>st</sup> 8 weeks</b>			
• General Education Requirement Arts and Humanities <b>OR</b> Social and Behavioral Sciences <b>OR</b> Institutions in the Americas		3	
• General Education Requirement Arts and Humanities <b>OR</b> Social and Behavioral Sciences <b>OR</b> Institutions in the Americas		3	
<b>2<sup>nd</sup> 8 weeks</b>			
• General Education Requirement Arts and Humanities <b>OR</b> Social and Behavioral Sciences <b>OR</b> Institutions in the Americas		3	
<b>Term hours subtotal:</b>		<b>14</b>	

*This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum that may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.*