

**Associate in Applied Science  
General Engineering Technology  
Mechanical Engineering Transfer (AAS.GET.MECH 35301)**

**Total Credit Hours: 66  
Effective: Fall 2021**

**Completion Plan**

<b>First Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*ECO 210 Macroeconomics <b>OR</b> *PSY 201 General Psychology	3.0	Co-requisite: ENG 032 or equivalent	1 <sup>st</sup> or 2 <sup>nd</sup> 8-week FA
*ENG 101 English Composition I	3.0	Co-requisite: ENG 032 or equivalent	1 <sup>st</sup> or 2 <sup>nd</sup> 8 week- FA
*MAT 140 Analytical Geometry & Calculus I	4.0	MAT 112 or equivalent Minimum grade of C	16 week - FA
*EGR 270 Intro to Engineering	3.0	MAT 112 and RWR 031 or equivalent Minimum grade of C	16 week FA only
*CHM 110 College Chemistry I	4.0	MAT 105 Minimum Grade of C	1 <sup>st</sup> 8 week or 16 week FA
<b>TOTAL</b>	<b>17.0</b>		
<b>Second Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*CHM 111 College Chemistry II	4.0	CHM 110 and MAT 110 or 112 Minimum grade of C	2nd 8 week – FA or 16 week - SP
*EGR 275 Intro to Engineering/ Computer Graphics	3.0	RWR 031 and MAT 033 or equivalents. Minimum grade of C	16 week - SP only
*ENG 102 English Composition II	3.0	ENG 101 or equivalent Minimum grade of C	2nd 8 week – FA or 1 <sup>st</sup> 8 week - SP
*HIS 101 Western Civilization to 1689	3.0	Co-requisite: ENG 032 or equivalent	1 <sup>st</sup> or 2 <sup>nd</sup> 8 week - SP
*MAT 141 Analytical Geometry & Calculus II	4.0	MAT 140 or equivalent Minimum grade of C	16 week - SP
<b>TOTAL</b>	<b>17.0</b>		
<b>Third Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*CPT 101 Intro to Computers	3.0	Co-requisite: ENG 032 or equivalent Minimum grade of C	1 <sup>st</sup> or 2 <sup>nd</sup> 8 week - FA
*ECE 221 Intro to Electrical Engineering I	3.0	MAT 140 or equivalent	16 week - FA
*EGR 260 Engineering Statics	3.0	MAT 112 or equivalent	16 week FA only
*PHY 221 University Physics I	4.0	MAT 112	16 week - FA

\* Courses in this program that require a minimum grade of "C."

@Approved electives are determined by specialization and are listed separately at the end of the document.

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		Co-requisites: MAT 130 <b>OR</b> MAT 140; ENG 101	
@Approved Elective	3.0		
<b>TOTAL</b>	<b>16.0</b>		
<b>Fourth Semester</b>			
	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*EGR 175 Manufacturing Processes	3.0	RWR 032 or equivalent – minimum grade of C	1 <sup>st</sup> or 2 <sup>nd</sup> 8 week – SP, or 2 <sup>nd</sup> 8 week SU
*EGR 264 Intro to Engineering Mechanics of Solids	3.0	EGR 260 or equivalent	16 week SP only
*EGR 266 Engineering Thermodynamics Fundamentals	3.0	MAT 141 or equivalent	16 week SP only
*PHY 222 University Physics II	4.0	PHY 221	16 week - SP
@Approved Elective	3.0		
<b>TOTAL</b>	<b>16.0</b>		

**@ Approved Electives** (Minimum grade of “C”): CPT 168 Programming Logic and Design; ECE 102 Instrument Control; ECE 222 Intro to Electrical Engineering; MAT 240 Analytical Geometry and Calculus III; MAT 242 Differential Equations

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