

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

**Total Credit Hours: 66
Effective: Fall 2014**

Graduation Plan

First Semester			
	Credit Hours	Pre-requisites	Done
*CHM 110 College Chemistry I	4.0	MAT 105 – Minimum grade of C	<input type="checkbox"/>
*ECO 210 Macroeconomics OR	-	Co-requisite: ENG 032 or equivalent	<input type="checkbox"/>
*PSY 201 General Psychology	3.0	Co-requisite: ENG 032 or equivalent	<input type="checkbox"/>
*EGR 270 Intro to Engineering	3.0	ENG 031 or equivalents	<input type="checkbox"/>
*ENG 101 English Composition I	3.0	Co-requisite: ENG 032 or equivalents – minimum grade of C	<input type="checkbox"/>
*MAT 140 Analytical Geometry & Calculus I	4.0	MAT 112 or equivalent – minimum grade of C	<input type="checkbox"/>
TOTAL	17.0		

Second Semester

	Credit Hours	Pre-requisites	Done
*CHM 111 College Chemistry II	4.0	CHM 110	<input type="checkbox"/>
*EGR 275 Intro to Engineering/ Computer Graphics	3.0	ENG 031 and MAT 033, or equivalents – minimum grade of C	<input type="checkbox"/>
*ENG 102 English Composition II	3.0	ENG 101 or equivalent – minimum grade of C	<input type="checkbox"/>
*HIS 101 Western Civilization to 1689	3.0	Co-requisite: ENG 032 or equivalent	<input type="checkbox"/>
*MAT 141 Analytical Geometry & Calculus II	4.0	MAT 140 or equivalent – minimum grade of C	<input type="checkbox"/>
TOTAL	17.0		

Third Semester

	Credit Hours	Pre-requisites	Done
*CPT 101 Intro to Computers	3.0	Co-requisite: ENG 032 or equivalent – minimum grade of C	<input type="checkbox"/>
*ECE 221 Intro to Electrical Engineering I	3.0	MAT 140 or equivalent	<input type="checkbox"/>
*EGR 260 Engineering Statics	3.0	MAT 112 or equivalent	<input type="checkbox"/>
*PHY 221 University Physics I	4.0	MAT 112 Co-requisites: MAT 130 OR MAT 140; ENG 101	<input type="checkbox"/>
@Approved Elective	3.0-4.0		<input type="checkbox"/>
TOTAL	16.0-17.0		

Fourth Semester

	Credit Hours	Pre-requisites	Done
*EGR 175 Manufacturing Processes	3.0	ENG 031 or equivalent – minimum grade of C	<input type="checkbox"/>
*EGR 264 Intro to Engineering	3.0	EGR 260 or equivalent	<input type="checkbox"/>

* 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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Mechanics of Solids			
*EGR 266 Engineering Thermodynamics Fundamentals	3.0	MAT 141 or equivalent	<input type="checkbox"/>
*PHY 222 University Physics II	4.0	PHY 221	<input type="checkbox"/>
@Approved Elective	3.0-4.0		<input type="checkbox"/>
TOTAL	16.0-17.0		

Approved Electives - Choose 6 hours to be taken during semesters in slots indicated above

	Credit Hours	Pre-requisites	Done
*ECE 102 Instrument Control	3.0	ENG 031 or equivalents – minimum grade of C	<input type="checkbox"/>
*MAT 110 College Algebra	3.0	MAT 105 or equivalent – minimum grade of C	<input type="checkbox"/>
*MAT 111 College Trigonometry	3.0	MAT 112 or equivalent – minimum grade of C	<input type="checkbox"/>
*MAT 240 Analytical Geometry and Calculus III	4.0	MAT 141 or equivalent – minimum grade of C	<input type="checkbox"/>
*MAT 242 Differential Equations	4.0	MAT 240 or equivalent – minimum grade of C	<input type="checkbox"/>

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

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