

**Associate in Applied Science
General Engineering Technology
Electrical and Computer Engineering Transfer (AAS.GET.ELCOM 35301)**

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

Graduation Plan

First Semester			
	Credit Hours	Pre-requisites	Done
*CPT 101 Intro to Computers	3.0	ENG 031 or equivalents – minimum grade of C	<input type="checkbox"/>
*EGR 281 Intro to Algorithmic Design I	4.0	ENG 031 or equivalent Co-requisite: MAT 140 or equivalent – minimum grade of C	<input type="checkbox"/>
*ENG 101 English Composition I	3.0	Co-requisite: ENG 032 or equivalent – 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"/>
@Approved Elective	3.0-4.0		<input type="checkbox"/>
TOTAL	17.0-18.0		
Second Semester			
	Credit Hours	Pre-requisites	Done
*ECE 102 Instrument Control	3.0	ENG 032 or equivalent – minimum grade of C	<input type="checkbox"/>
*EGR 175 Manufacturing Processes	3.0	ENG 031 or equivalents – minimum grade of C	<input type="checkbox"/>
*EGR 283 Intro to Algorithmic Design II	4.0	EGR 281	<input type="checkbox"/>
*MAT 141 Analytical Geometry & Calculus II	4.0	MAT 140 or equivalent – minimum grade of C	<input type="checkbox"/>
@Approved Elective	3.0-4.0		<input type="checkbox"/>
TOTAL	17.0-18.0		
Third Semester			
	Credit Hours	Pre-requisites	Done
*ECE 211 Intro to Computer Engineering I	3.0	ENG 031 or equivalent MAT 140 – minimum grade of C	<input type="checkbox"/>
*ECE 221 Intro to Electrical Engineering	3.0	MAT 140 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"/>
*ECO 210 Macroeconomics OR	-	ENG 031 or equivalent – minimum grade of C	<input type="checkbox"/>
*PSY 201 General Psychology	3.0	ENG 031 or equivalent – minimum grade of C	<input type="checkbox"/>
*HIS 101 Western Civilization to 1689	3.0	ENG 031 or equivalent – minimum grade of C	<input type="checkbox"/>
TOTAL	16.0		

* 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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Fourth Semester

	Credit Hours	Pre-requisites	Done
*ECE 212 Intro to Computer Engineering II	3.0	ECE 211	<input type="checkbox"/>
*ECE 222 Intro to Electrical Engineering II	3.0	ECE 221	<input type="checkbox"/>
*EGR 194 Statics and Strength of Materials	4.0	MAT 112 and PHY 222 – Minimum grades of C	<input type="checkbox"/>
*EGR 275 Introduction to Engineering /Computer Graphics	3.0	ENG 031 and MAT 033, or equivalents – minimum grade of C	<input type="checkbox"/>
@Approved Elective	3.0-4.0		<input type="checkbox"/>
TOTAL	16.0-17.0		

Approved Electives - Choose 9 hours to be taken during semesters in slots indicated above

	Credit Hours	Pre-requisites	Done
*ECE 101 Electrical and Electronics Engineering	3.0	ENG 031 or equivalent	<input type="checkbox"/>
*ECE 205 Electrical and Computer Lab I	3.0	ECE 221 and ENG 031 or equivalents	<input type="checkbox"/>
*ENG 102 English Composition II	3.0	ENG 101 or equivalent – minimum grade of C	<input type="checkbox"/>
*CHM 110 College Chemistry I	4.0	MAT 112– 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"/>
*PHY 222 University Physics II	4.0	PHY 221	<input type="checkbox"/>

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