

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

Total Credit Hours: 66  
 Effective: Fall 2020

Graduation Plan

First Semester			
	Credit Hours	Pre-requisites	Recommended Terms
*CPT 101 Intro to Computers	3.0	Co-Requisite: ENG 032 – minimum grade of C	1 <sup>st</sup> or 2 <sup>nd</sup> 8 week - FA
*EGR 281 Intro to Algorithmic Design I	4.0	ENG 101 or equivalent and RDG 101 or equivalent; Co-requisite: MAT 140 or equivalent Registration by department permission only	16 week - FA
*ENG 101 English Composition I	3.0	Co-requisite: ENG 032	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
@Approved Elective	3.0-4.0		
<b>TOTAL</b>	<b>17.0-18.0</b>		
Second Semester			
	Credit Hours	Pre-requisites	Recommended Terms
*ECE 102 Instrument Control	3.0	ENG 032 or equivalent – minimum grade of C	16 week - SP
*EGR 175 Manufacturing Processes	3.0	ENG 031 or equivalent – minimum grade of C	2 <sup>nd</sup> 8 week - SP
*EGR 283 Intro to Algorithmic Design II	4.0	EGR 281	16 week - SP
*MAT 141 Analytical Geometry & Calculus II	4.0	MAT 140 or equivalent – minimum grade of C	16 week - SP
@Approved Elective	3.0-4.0		
<b>TOTAL</b>	<b>17.0-18.0</b>		
Third Semester			
	Credit Hours	Pre-requisites	Recommended Terms
*ECE 211 Intro to Computer Engineering I	3.0	RDG 101 or equivalent and MAT 140 – minimum grade of C	16 week - FA
*ECE 221 Intro to Electrical Engineering	3.0	MAT 140 or equivalent	16 week - FA
*PHY 221 University Physics I	4.0	MAT 112 Co-requisites: MAT 130 OR MAT 140; ENG 101	16 week - FA
*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

\* 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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*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
<b>TOTAL</b>	<b>16.0</b>		

**Fourth Semester**

	<b>Credit Hours</b>	<b>Pre-requisites</b>	<b>Recommended Terms</b>
*ECE 212 Intro to Computer Engineering II	3.0	ECE 211	16 week - SP
*ECE 222 Intro to Electrical Engineering II	3.0	ECE 221	16 week - SP
*EGR 194 Statics and Strength of Materials	4.0	MAT 112 and PHY 222 – Minimum grades of C	
*EGR 275 Introduction to Engineering /Computer Graphics	3.0	ENG 031 and MAT 033 or equivalents – minimum grade of C	16 week - SP
@Approved Elective	3.0-4.0		
<b>TOTAL</b>	<b>16.0-17.0</b>		

**@ Approved Electives** (Minimum grade of “C”): ECE 101 Electrical and Electronics Engineering; ECE 205 Electrical and Computer Lab I (Pre-req: ECE 221 & ENG 101); ENG 102 English Composition II (Pre-req: ENG 101); CHM 110 College Chemistry I (Pre-req: MAT 105); MAT 240 Analytical Geometry and Calculus III (Pre-req: MAT 141/equivalent); MAT 242 Differential Equations (Pre-req: MAT 240); PHY 222 University Physics II (Pre-req: PHY 221)

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

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