



**Associate in Engineering A10500  
Educational Plan Sheet 2020-2021  
(No change from 2019-2020)**

General Education Requirements (42 Credit Hours)		Hours
<b>English Composition (6 Credit Hours):</b>		
ENG-111 Writing and Inquiry		3
ENG-112 Writing/Research in the Disc		3
<b>Humanities/Fine Arts (6 Credit Hours):</b>		
Select one of the following humanities/fine arts courses:		
ENG-231 American Literature I (3 Credit Hours)		3
ENG-232 American Literature II (3 Credit Hours)		
ENG-241 British Literature I (3 Credit Hours)		
ENG-242 British Literature II (3 Credit Hours)		
PHI-240 Introduction to Ethics (3 Credit Hours)		
Select one of the following humanities/fine arts courses:		3
ART-111 Art Appreciation (3 Credit Hours)		
ART-114 Art History Survey I (3 Credit Hours)		
ART-115 Art History Survey II (3 Credit Hours)		
COM-231 Public Speaking (3 Credit Hours)		
MUS-110 Music Appreciation (3 Credit Hours)		
MUS-112 Introduction to Jazz (3 Credit Hours)		
<b>Social/Behavioral Sciences (6 Credit Hours):</b>		
ECO-251 Prin of Microeconomics		3
Select one of the following social/behavioral sciences courses:		3
HIS-111 World Civilizations I (3 Credit Hours)		
HIS-112 World Civilizations II (3 Credit Hours)		
HIS-131 American History I (3 Credit Hours)		
HIS-132 American History II (3 Credit Hours)		
POL-120 American Government I (3 Credit Hours)		
PSY-150 General Psychology (3 Credit Hours)		
SOC-210 Introduction to Sociology (3 Credit Hours)		
<b>Mathematics (12 Credit Hours)*:</b>		
MAT-271 Calculus I		4
MAT-272 Calculus II		4
MAT-273 Calculus III		4
<b>Natural Sciences (12 Credit Hours)</b>		
CHM-151 General Chemistry I		4
PHY-251 General Physics I		4
PHY-252 General Physics II		4
<b>Other Required Hours (18 Credit Hours)</b>		
ACA-122 College Transfer Success ( <i>must be completed within the first 30 hours of enrollment</i> )		1
EGR-150 Intro to Engineering		2
<b>Other Required Hours Electives:</b> Take 15 credit hours from the following courses:		15
CHM-152 General Chemistry II (4 Credit Hours)		
CSC-134 C++ Programming (3 Credit Hours)		

	CSC-151 JAVA Programming (3 Credit Hours)	
	DFT-170 Engineering Graphics (3 Credit Hours)	
	ECO-252 Prin of Macroeconomics (3 Credit Hours)	
	EGR-220 Engineering Statics (3 Credit Hours)	
	EGR-228 Intro to Solid Mechanics (3 Credit Hours)	
	HUM-110 Technology and Society (3 Credit Hours)	
	MAT-285 Differential Equations (3 Credit Hours)	
	WBL-111 Work-Based Learning (1 Credit Hours)**	
	<b>Total Credit Hours for Associate in Engineering A10500</b>	<b>60**</b>

\* Students who are not calculus-ready will need to take MAT-171 and MAT-172.

\*\* Students selecting WBL-111 will be required to complete 16 Credit Hours for Other Required Hours for a program total of 61 Credit Hours to earn the Associate in engineering degree since WBL is not a transfer course.

Note: Only accepted courses listed on official transcripts receive permanent official transfer credit.

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Student Signature

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Date