



Associate in Engineering Graduation Checklist

2015-2016, 2016-17, & 2017-2018

**All college transfer courses submitted for graduation require a minimum grade of "C."
25% of all credits must be taken at A-B Tech to receive a degree.**

General Education Requirements

Universal General Education Transfer Component (30 semester hours)		
English Composition (6 semester hours)		
1. ENG 111 Expository Writing (3)	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">ENG 111</td></tr></table>	ENG 111
ENG 111		
2. ENG 112 Writing/Research in the Disciplines (3)	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">ENG 112</td></tr></table>	ENG 112
ENG 112		
Humanities/Fine Arts/Communication (6 semester hours) All courses are 3 SHC.		
Choose one (1):	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
ART 111 Art Appreciation	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
COM 231 Public Speaking	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
MUS 110 Music Appreciation	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
MUS 112 Intro. To Jazz	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
ENG 231 American Lit I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
ENG 232 American Lit II	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
PHI 215 Philosophical Issues	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
PHI 240 Intro. To Ethics	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
Social/Behavioral Sciences (6 semester hours) All courses are 3 SHC.		
Required: ECO 251 Microeconomics	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">ECO 251</td></tr></table>	ECO 251
ECO 251		
Choose one (1):	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
HIS 111 World Civ. I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
HIS 112 World Civ. II	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
HIS 131 Amer. His. I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
HIS 132 Amer. His. II	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
POL 120 Amer. Gov.	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
PSY 150 Gen. Psychology	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
SOC 210 Intro. To Sociology	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>	
Mathematics (12 semester hours) All courses are 4 SHC.		
<i>Calculus I is the lowest level math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses. MATH 171 & 172 are considered developmental for Financial Aid purposes.</i>		
MAT 271 Calculus I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">MAT 271</td></tr></table>	MAT 271
MAT 271		
MAT 272 Calculus II	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">MAT 272</td></tr></table>	MAT 272
MAT 272		
MAT 273 Calculus III	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">MAT 273</td></tr></table>	MAT 273
MAT 273		
Natural Sciences (12 semester hours) All courses are 4 SHC including a lab component.		
CHM 151 Gen. Chemistry	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">CHM 151</td></tr></table>	CHM 151
CHM 151		
PHY 251 Gen. Physics I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">PHY 251</td></tr></table>	PHY 251
PHY 251		
PHY 252 Gen. Physics II	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">PHY 252</td></tr></table>	PHY 252
PHY 252		

Total General Education Hours Required: 42

Other Required Hours (18 semester hours)			
1. ACA 122 College Transfer Success (1) Must be completed in first 30 SHC.	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">Course</td></tr><tr><td style="width: 100px; height: 15px;">ACA 122</td></tr></table>	Course	ACA 122
Course			
ACA 122			
2. EGR 150 Intro to Engineering (2)	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;">EGR 150</td></tr></table>	EGR 150	
EGR 150			
2. Additional 15 hours selected from the list below.	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
All courses are 3 SHC unless otherwise noted.	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
MAT 285 Differential Equations	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
*CSC 134 C++ Programming	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
<i>*Pre-requisites are either MAT 271 AND EGR 150.</i>	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
<i>For students pursuing Mechanical Engineering:</i>	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
DFT 170 Engineering Graphics	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
EGR 220 Engineering Statics	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
EGR 228 Intro to Solid Mechanics	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
<i>For students pursuing Electrical Engineering:</i>	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
EGR 212 Logic System Design I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
EGR 215 Network Theory I	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
EGR 216 Logic and Network Lab (1)	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
PED 110 Fit and Well for Life (2)	<input type="checkbox"/> <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 15px;"></td></tr></table>		
<i>Students must meet the receiving university's foreign language and/or health/physical education requirements, if applicable, of the senior institution.</i>			

Please see the Associates in Engineering Uniform Articulation Agreement on the Transfer Advising Center webpage for possible substitutions for other engineering tracks in the degree.