

Associate of Science in Engineering Degree

63 Semester Credit Hours; Curriculum: 0850

General Education Requirements:	Credit Hours
Area A — Communications EGL 101 and EGL 102	6
Area B — Mathematics MAT 250 and MAT 251	9
Area C — Science PHY 221 and PHY 222	10
Area D — Social and Behavioral Sciences Two courses (two courses from the same discipline are recommended)	6
Area E — Humanities/Fine Arts One course from a humanities or fine arts discipline	3
Area F — Contemporary Global Studies* One course that satisfies Contemporary Global Studies requirement	0-3
Total General Education Requirements:	34
Major Requirements:	Credit Hours
CHM 121 General College Chemistry I	4
CSC 170 Introduction to Numerical Methods**	2
and one of the following:	1
CSC 171 C++ Programming for Engineers	
CSC 172 FORTRAN Programming for Engineers	
CSC 173 Java Programming for Engineers	
ENG 120 Engineering Graphics	3
ENG 211 Analytical Mechanics (Statics)	3
ENG 212 Analytical Mechanics (Dynamics)	3
MAT 252 Calculus III	4
MAT 262 Ordinary Differential Equations	3
Additional courses dependent on transfer requirements and major concentration:†	7
CHM 122	
ENG 217	
ENG 220	
ENG 250	
PHY 223 or other approved course	
Total Major Requirements:	29
Total Semester Credit Hours for Associate of Science in Engineering Degree:	64

*Students may take a Contemporary Global Studies course that satisfies both Area F and another Area requirement.

**CSC 170 must be taken concurrently with either CSC 171, CSC 172 or CSC 173. Consult the coordinator as to which of these three courses is most appropriate.

†Be sure to consult the coordinator before selecting these courses. Universities differ about which courses a student should take. Some institutions may require more than two of these courses for transfer.