



Engineering Associate of Science Degree – 80706

Recommended Course Sequencing: 2020 - 2021

Course	Requirement Filled	Cr	Notes
Fall - 1st Semester			
EGR 102 Introduction to Engineering	Core Curriculum	4	Placement required or MAT 120
ENG 101 Written Communications I	GE – English	3	Placement required or ENG 100
MAT 220 Calculus I	GE- Math	5	Pre-req. MAT 154 & 181 or 187
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Total Hours		15	
Spring - 2nd Semester			
MAT 230 Calculus II	GE – Math	4	MAT 220 Pre-Requisite
ENG 102 Written Communications II	GE – English	3	ENG 101 Pre-Requisite
PHY 211 Physics with Calculus I	GE – Lab Science	5	MAT 220 Co-Requisite
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
Total Hours		15	
Fall - 3rd Semester			
EGR 214 Statics*	Core Curriculum	3	PHY 211 & MAT 220 Pre-req.
CHM 151 General Chemistry I	Core Curriculum	4	
PHY 212 Physics with Calculus II	GE – Lab Science	5	PHY 211 Pre-Requisite
MAT 240 Calculus III	Core Curriculum	4	MAT 230 Pre-Requisite
Elective (Suggest DRF 154 Intro. to AutoCAD*)	Elective requirements	1	
Total Hours		17	
Spring - 4th Semester			
MAT 260 Differential Equations	Core Curriculum	4	MAT 230 Pre-Requisite
EGR 215 Dynamics*	Core Curriculum	3	EGR 214 Pre-requisite
Humanities or Social Science	GE – Humanities or Social Sci.	3	Must be from approved list
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Lab Science additional credit choice (Suggest CHM 152 Gen. Chem. II*)	Core Curriculum	4	Must be from approved list (CHM 151 Pre-Requisite)
Total Hours		17	
Total Hours		64	
Total Curriculum Requirements (Core)		26	
Total Related Curriculum			
Total General Education		37	
Total Elective		1	

Notes: This is a recommended, or suggested, sequence of courses. Of course, if a student enters the program in the spring, or transfers credit in, the above would have to be modified. In addition, this sequence assumes that students meet the pre-requisites for Calculus I (MAT 220). Otherwise, additional MAT courses are required which will affect the course sequencing and time to complete the degree.

*Suggested courses may not be the best course for each student. Choices for EGR additional credit should be made based upon engineering discipline of choice, **in consultation with the faculty advisor** and the advisor at your target 4-year institution.

*This degree dictates specific courses that must be taken to meet the General Education requirements. Consult your catalog. **All courses must be completed with a grade of "C" or better--Be sure to check the catalog for other changes and requirements.***