

ENGINEERING AS-SR 80706 - ASSOCIATE OF SCIENCE DEGREE

Course	Requirement Field	Credits	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-Requisite MAT 154 & 181 or 187
Humanities or Social Science	GE - Humanities or Social Science	3	Must be from approved list
Total Hours		15	

Course	Requirement Field	Credits	Notes
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 Science	3	Must be from approved list
Total Hours		15	

Course	Requirement Field	Credits	Notes
Fall- 3rd Semester			
MAT 240 Calculus III	Core Curriculum	4	MAT 230 Pre-Requisite
PHY 212 Physics with Calculus II	GE - Lab Science	5	PHY 211 Pre-Requisite
*EGR 214 Statics	Core Curriculum	3	PHY 211 & MAT 220 Pre-Requisite
CHM 151 General Chemistry I	Core Curriculum	4	
Elective (Suggest DRF 154 Intro to AutoCAD*)	Elective Requirement	1	
Total Hours		17	

Course	Requirement Field	Credits	Notes
Spring - 4th Semester			
MAT 260 Differential Equations	Core Curriculum	4	MAT 230 Pre-Requisite
*EGR 215 Dynamics	Core Curriculum	3	ENG 214 Pre-Requisite
Humanities or Social Science	GE - Humanities or Social Science	3	Must be from approved list
Humanities or Social Science	GE - Humanities or Social Science	3	Must be from approved list
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	0
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.***