

ENGINEERING, ASSOCIATE OF SCIENCE IN ENGINEERING



Plan of Study (Degree Plan)

2ENGINEER

First Term		Credits
MATH 2413	Calculus I (020)	4
CHEM 1311 & CHEM 1111	General Chemistry I (lecture) and General Chemistry I (lab) (030, 090)	4
ENGR 1201	Introduction to Engineering	2
ENGL 1301	Composition I (010)	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
Credits		16
Second Term		
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I (lecture) and University Physics I (lab) (030, 090)	4
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
ENGL 1302 or ENGL 2311	Composition II or Technical and Business Writing	3
Select one of the following:		3
CHEM 1312 & CHEM 1112	General Chemistry II (lecture) and General Chemistry II (lab)	
ENGR 1304	Engineering Graphics I	
Credits		17
Third Term		
MATH 2415	Calculus III	4
PHYS 2326 & PHYS 2126	University Physics II (lecture) and University Physics II (lab) (090)	4
ENGR 2304	Programming for Engineers	3
HIST 1301	United States History I (060)	3
Select one of the following:		3
ENGR 2301	Engineering Mechanics - Statics	

CHEM 2323 & CHEM 2123	Organic Chemistry I (lecture) and Organic Chemistry I (lab)	
Credits		17
Fourth Term		
MATH 2320	Differential Equations	3
ENGR 2305 & ENGR 2105	Electrical Circuits I and Electrical Circuits I Laboratory	4
HIST 1302	United States History II (060)	3
Select one of the following:		3
CHEM 2325 & CHEM 2125	Organic Chemistry II (lecture) and Organic Chemistry II (lab)	
ENGR 2308	Engineering Economics	
ENGR 2302	Engineering Mechanics - Dynamics ¹	
GEOL 1303 or ENGL 2311	Physical Geology (lecture) or Technical and Business Writing	
MATH 2318	Linear Algebra	3
Credits		16
Total Credits		66

As with all transfer degrees, students should contact the upper-level institution regarding baccalaureate degree requirements. The educational planners and academic advisors can assist with this.

¹ Students may choose to take CHEM 1312 General Chemistry II (lecture)/CHEM 1112 General Chemistry II (lab) instead of ENGR 2302 Engineering Mechanics - Dynamics.