

# PRE-ENGINEERING

## PRE-ENGINEERING - A.S. DEGREE PLAN

**PROGRAM INFORMATION:** The transfer curriculum shown below is designed to serve as the first two years of academic studies for students who plan to pursue a professional degree in engineering at a senior college or university after completing studies at Navarro College. Upon successful completion of the core curriculum and a representative sample of the math and science courses, the student will graduate from Navarro with an Associate in Science Degree. Students should consult their Advisor regarding the engineering field of study. If a student elects not to follow the recommended sequence, a counselor will help the student select courses needed to reach his or her educational goals.

### FRESHMAN YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
HIST 1301	United States History I	3
COSC 1301	Introduction to Computing	3
ENGL 1301	Composition I	3
MATH 2412	Pre-Calculus Math	4
XXXX	Approved Language / Philosophy / Culture	3
Fall Total Credit Hours		16

### FRESHMAN YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
ENGL 1302	Composition II	3
ENGL 2311	or Technical And Business Writing	3
HIST 1302	United States History II	3
MATH 2413	Calculus I	4
XXXX	Approved Creative Arts	3
XXXX	Approved Social / Behavioral Science	3
Spring Total Credit Hours		16

### SOPHOMORE YEAR - FALL

COURSE SECTION	COURSE TITLE	CREDIT HOURS
GOVT 2305	Federal Government	3
PHYS 2425	University Physics I	4
MATH 2414	Calculus II	4
XXXX	Approved Speech	3
Fall Total Credit Hours		14

### SOPHOMORE YEAR - SPRING

COURSE SECTION	COURSE TITLE	CREDIT HOURS
GOVT 2306	Texas Government	3
PHYS 2426	University Physics II	4
MATH 2415	Calculus III	4
ENGR 2301	Engineering Mechanics-Statics	3
Spring Total Credit Hours		14

COURSE SECTION	COURSE TITLE	CREDIT HOURS
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Program Total Credit Hours

*Students who have not completed MATH 1314, or the equivalent, should do so during the summer prior to their Freshman Fall semester.*  
*This is a sample degree plan; students should consult catalog of senior institution they plan to attend since some requirements vary. Counselors are available to assist in this matter.*