

PRE-ENGINEERING

PRE-ENGINEERING - AS 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 OR ENGL 2311 | Composition II 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 |
|----------------------------|--------------|--------------|
| Program Total Credit Hours | | 60 |

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.