

# COMPUTER INFORMATION TECHNOLOGY

## COMPUTER INFORMATION TECHNOLOGY – AS (ENGINEERING AND SCIENTIFIC EMPHASIS) DEGREE PLAN

**PROGRAM INFORMATION:** The transfer curricula for Computer Information Technology – Engineering and Scientific Emphasis shown below are designed for students who plan to pursue a degree at a senior college or university after completing their studies at Navarro College. Upon successful completion of the courses shown, the student will graduate with an Associate in Science Degree. 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 |
|-------------------------|------------------------------------------|--------------|
| ENGL 1301               | Composition I                            | 3            |
| HIST 1301               | United States History I                  | 3            |
| XXXX                    | Approved Language / Philosophy / Culture | 3            |
| COSC 1301               | Introduction to Computing                | 3            |
| COSC 1436               | Programming Fundamentals I               | 4            |
| Fall Total Credit Hours |                                          | 16           |

### FRESHMAN YEAR - SPRING

| COURSE SECTION               | COURSE TITLE                                           | CREDIT HOURS |
|------------------------------|--------------------------------------------------------|--------------|
| ENGL 1302<br>OR<br>ENGL 2311 | Composition II<br>OR<br>Technical and Business Writing | 3            |
| HIST 1302                    | United States History II                               | 3            |
| MATH 2413                    | Calculus I                                             | 4            |
| COSC 1437                    | Programming Fundamentals II                            | 4            |
| Spring Total Credit Hours    |                                                        | 14           |

### SOPHOMORE YEAR - FALL

| COURSE SECTION          | COURSE TITLE                 | CREDIT HOURS |
|-------------------------|------------------------------|--------------|
| GOVT 2305               | Federal Government           | 3            |
| MATH 2414               | Calculus II                  | 4            |
| PHYS 2425               | University Physics I         | 4            |
| COSC 2436               | Programming Fundamentals III | 4            |
| Fall Total Credit Hours |                              | 15           |

### SOPHOMORE YEAR - SPRING

| COURSE SECTION | COURSE TITLE                         | CREDIT HOURS |
|----------------|--------------------------------------|--------------|
| GOVT 2306      | Texas Government                     | 3            |
| PHYS 2426      | University Physics II                | 4            |
| COSC 2325      | Computer Organization                | 3            |
| XXXX           | Approved Elective                    | 2            |
| XXXX           | Approved Social / Behavioral Science | 3            |

| COURSE SECTION             | COURSE TITLE | CREDIT HOURS |
|----------------------------|--------------|--------------|
| Spring Total Credit Hours  |              | 15           |
| Program Total Credit Hours |              | 60           |

*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.*