

This worksheet is a guideline for this major. Please meet with a counselor to review your educational plan, transfer goals, and graduation requirements.

**Recommended Courses**

| Need | In Progress | Complete | UNITS | COURSE # | COURSE NAME                                      | EQUIVALENT/SUBSTITUTE |
|------|-------------|----------|-------|----------|--|-----------------------|
|      |             |          | 4     | MATH 012 | Pre-Algebra                                      |                       |
|      |             |          | 3     | ENGL 095 | Integrated Reading, Writing, & Critical Thinking |                       |

**Major Requirements (Recommended Sequencing)**

| REQUIRED COURSES: FIRST SEMESTER  |  |  |   |          |   |  |
|-----------------------------------|--|--|---|----------|---|--|
|                                   |  |  | 4 | ETEC 010 | Direct Current Circuits                 |  |
|                                   |  |  | 4 | ETEC 012 | Alternating Current Circuits            |  |
|                                   |  |  | 3 | ETEC 009 | ETEC Mathematics                        |  |
| REQUIRED COURSES: SECOND SEMESTER |  |  |   |          |   |  |
|                                   |  |  | 3 | ETEC 020 | Electric Motor Control                  |  |
|                                   |  |  | 2 | ETEC 022 | Semiconductor Devices                   |  |
|                                   |  |  | 2 | ETEC 024 | Digital Devices                         |  |
|                                   |  |  | 4 | PHYS 015 | Introduction to Physics                 |  |
| REQUIRED COURSES: THIRD SEMESTER  |  |  |   |          |   |  |
|                                   |  |  | 4 | ETEC 030 | Programmable Logic Controllers          |  |
|                                   |  |  | 3 | ETEC 032 | Instrumentation Process Measurement     |  |
|                                   |  |  | 1 | ETEC 034 | Instrumentation Calibration             |  |
|                                   |  |  | 4 | CHEM 006 | Intro to Inorganic & Physical Chemistry |  |
| REQUIRED COURSES: FOURTH SEMESTER |  |  |   |          |   |  |
|                                   |  |  | 3 | ETEC 050 | Instrumentation Process Control         |  |
|                                   |  |  | 1 | ETEC 052 | Applied Process Control                 |  |
|                                   |  |  | 1 | ETEC 056 | Guide for Instrument Application        |  |
|                                   |  |  | 2 | ETEC 058 | Analytical Instrumentation              |  |
|                                   |  |  | 2 | ETEC 059 | System Integration & Troubleshooting    |  |

**44 Units in the Major**

**General Education Requirements and Course Recommendations**

| Need | In Progress | Complete | UNITS | AREA | REQUIRED | RECOMMENDED COURSE  | EQUIVALENT/ALTERNATE |
|------|-------------|----------|-------|------|----------|---|----------------------|
|      |             |          | 3     | A    | 1        | ASTRO 010, BIOSC 005, 007, 008, 010, ENGIN 010, PHYS 015, PHYSC 005   |                      |
|      |             |          | 3     | B    | 1        | ADJUS 110, 160, ANTHR 001, 004, 005, 006, 007, CHDEV 010, 020, ECON 005, 010, 011, EDUC 040, ENGL 110, 136, HIST 029, 030, 031, 033, 034, 035, 038, 039, 040, 055, 061, POLSC 010, 040, 043, 050, 060, 133, PSYCH 010, 011, SOCIO 015, 016, SOCSC 045, 110, SPCH 120                                      |                      |
|      |             |          | 3     | C    | 1        | ART 005, 006, 007, 008, 009, 016, 017, 018, 035, DRAMA 015, 016, 025, 070, 072, ENGL 124, 127, 128, 129, 133, 150, 205, 210, 211, 230, 231, HUMAN 019, 020, 021, 022, 024, 030, 035, 050, JOURN 100, 110, MUSIC 010, 012, 015, PHIL 100, 120, 122, 130, 132, 133, 140, 150, 151, POLSC 133, SPCH 110, 130 |                      |
|      |             |          | 3     | D i. | 1        | ENGL 100  |                      |
|      |             |          | 3 - 7 | D ii | 1        | MATH 110, 140, 155, 026, 029, 030 or higher, ETEC 009, PTEC 009   |                      |
|      |             |          | 3     | E    | 1        | ADJUS 160, CHDEV 050, DRAMA 015, 030, 072, ENGL 110, 127, 128, 129, 133, 135, 136, 210, 211, HIST 046, 047, 052, 055, 056, 057, 060, 061, SOCSC 045, 110, 135, 136, 150, SPCH 150   |                      |

**18-22 Units of General Education**

**0 units of elective courses needed to meet the 60 degree unit requirement**