ASSOCIATE DEGREE PROGRAM

PRE-ENGINEERING MAJOR - A.S. DEGREE

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty-nine (29) units required for the major.

I. Eighteen (18) units required:
   - CHEM 200 General Inorganic Chemistry I 5.0
   - ENGR 210 Statics 3.0
   - MATH 210 Calculus III 5.0
   - PHYS 200 Principles of Physics I 5.0
   **Total:** 18.0

II. Three (3) units selected from:
   - MATH 220 Elem Differential Equations (3.0)
   - MATH 230 Intro to Linear Algebra w/Apply (3.0)

   **Total:** 3.0

III. Three (3) units selected from:
   - ENGR 212 Dynamics (3.0)
   - ENGR 240 Electric Circuit Analysis (3.0)

   **Total:** 3.0

IV. Five (5) units selected from (no duplicates from previous categories):
   - CHEM 202 General Inorganic Chemistry II (5.0)
   - CHEM 204 Organic Chemistry I (5.0)
   - CHEM 206 Organic Chemistry II (5.0)
   - CIS 210 Programming in C++ (3.0)
   - CS 220 Intro to Object-Oriented Prog Using Java (4.0)
   - ENGR 212 Dynamics (3.0)
   - ENGR 240 Electric Circuit Analysis (3.0)
   - MATH 119 Elementary Statistics (4.0)
   - MATH 220 Elem Differential Equations (3.0)
   - MATH 230 Intro to Linear Algebra w/Apply (3.0)
   - PHYS 202 Principles of Physics II (5.0)
   - PHYS 204 Principles of Physics III (5.0)

   **Total Units for Major:** 29.0