

## **Pre-engineering Program (Students **not** prepared for Calculus)**

### **1<sup>st</sup> Semester (13 credit hours)**

- CHEM 131 - General Chemistry (5 credit hours)
- MATH 06 – College Algebra (3 credit hours)
- PHYS 102 – Introduction to Engineering Design (2 credit hours)
- ENG 101 – Communication Arts I (3 credit hours)

### **2<sup>nd</sup> Semester (14 credit hours)**

- CHEM 132 – General Chemistry II (5 credit hours)
- MATH 107 – Trigonometry & Analytic Geometry (3 credit hours)
- MATH 210 – C++ for Scientists and Engineers ( 3 credit hours)
- ENG 102 – Communication Arts II (3 credit hours)

### **3<sup>rd</sup> Semester (14 credit hours)**

- MATH 120 – Calculus I (5 credit hours)
- PHYS 210 – AutoCAD (3 credit hours)
- Technical Electives (6 credit hours)

### **4<sup>th</sup> Semester (13 credit hours)**

- MATH 121 – Calculus II (5 credit hours)
- PHYS 230 – General Physics I (4 credit hours)
- PHYS 231 – General Physics Lab (1 credit hour)
- Technical Elective (3 credit hours)

### **5<sup>th</sup> Semester (15 credit hours)**

- MATH 220 – Calculus III (4 credit hours)
- PHYS 232 – General Physics II (4 credit hours)
- PHYS 233 – General Physics Lab (1 credit hour)
- PHYS 242 – Statics (3 credit hours)
- Technical Electives (3 credit hours)

### **6<sup>th</sup> Semester (15 credit hours)**

- MATH 327 – Differential Equations (3 credit hours)
- PHYS 243 – Dynamics (3 credit hours)
- PHYS 244 – Electric Circuits (3 credit hours)
- Technical Electives (6 credit hours)