|  | Semester One | Semester Two |
| :---: | :---: | :---: |
|  | CSE 1010: Intro to Computing for ENGR (3 credits) | PHYS 1501Q: Physics for ENGR (4 credits) |
|  | CHEM 1127Q: General Chemistry 1 (4 credits) | MATH 1132Q: Calculus II (4 credits) |
|  | MATH 1131Q: Calculus I (4 credits) | ENGR 1166: Foundations of ENGR (3 credits) |
|  | ENGR 1000: Orientation to ENGR (1 credit) | Ged Ed (3 credits) |
|  | ENGL 1007: Writing and Composition (4 credits) | Gen Ed (3 credits) |
|  | 16 credits | 17 credits |


|  | Semester One | Semester Two |
| :---: | :---: | :---: |
|  | PHYS 1502Q: Physics for ENGR II (4 credits) | ME 2234: Applied Thermodynamics (3 credits) |
| 능틍0응00 | ME 2233: Thermodynamic Principles (3 credits) | MATH 2410Q: Elem Diff. Equations (3 credits) |
|  | MATH 2110Q: Multivariable Calculus (4 credits) | CE 2120: Applied Mechanics II (3 credits) |
|  | CE 2110: Applied Mechanics I (3 credits) | PHIL 1104: Social Ethics (CA 1) (3 credits) |
|  | Gen Ed (3 credits) | Gen Ed (3 credits) |
|  |  | Gen Ed (3 credits) |
|  | 17 credits | 18 credits |


|  | Semester One | Semester Two |
| :---: | :---: | :---: |
|  | ME 3263: Intro to Sensors and Data (3 credits) | MSE 2101: Materials Sci and ENGR (3 credits) |
| 늘 | ME 3250: Fluid Dynamics (3 credits) | ME 3264: Applied Measurements Lab (3 credits) |
|  | ME 3253: Linear Systems (3 credits) | ME 3242: Heat Transfer (3 credits) |
|  | CE 3110: Mechanics of Materials (3 credits) | ME 3220: Mechanical Vibrations (3 credits) |
|  | Prof. / MathSci Requirement (3 credits) | ME 3XXX: ME Elective (3 credits) |
|  | 15 credits | 15 credits |


|  | Semester One | Semester Two |
| :---: | :---: | :---: |
|  | ECE 2000: Electrical and Comp. ENGR (3 credits) | Free Elective (3 credits) |
| $\stackrel{\vdots}{\bar{C}}$ | ME 4972: Senior Design I (3 credits) | ME 4973W: Senior Design II (3 credits) |
|  | ME 3255: Computational Mechanics (3 credits) | ME 3XXX: ME Elective (3 credits) |
|  | ME 3227: Design of Machine Elements (3 credits) | Prof. / MathSci Requirement (3 credits) |
|  | ME 3XXX: ME Elective (3 credits) | Free Elective (3 credits) |
|  | 15 credits | 15 credits |

## $\square$ Professional Requirement <br> Two courses at the 2000+ level in ENGR, MATH, STAT, physical, or life sciences

## $\square$ Additional Math and Science Requirement <br> 6 credits in 1000+ level MATH, STAT, PHYS, or life sciences

**2000+ level or higher MATH, STAT, PHYS, or life sciences courses may be used to satisfy both requirements**

