Department of Engineering and Physics
Bachelor of Science Engineering
Mechanical Engineering Track
Advising Checklist for 2021 - 2022

Name _____

- **Liberal Arts Core: 45 Hours**
- **Minimum grade for all courses that count toward major: C**
- **Minimum number of Junior-Senior hours: 42**
- **Minimum total credit hours: 124**
- **Minor: Mathematics or Physics**

Writing across the Curriculum: (3 Hours)

____ENG 3613 Technical Writing

Science (16 Hours)

____BIO 1013/1021 Introduction to Biology
____CHM 1014 University Chemistry I
____PHY 2234 University Physics I
____PHY 2244 University Physics II

Mathematics (16 Hours)

____MTH 1294 Calculus I (satisfies Math LAC)
____MTH 2044 Calculus II (satisfies Core LAC)
____MTH 3104 Calculus III
____MTH 3124 Differential Equations

Engineering (54 Hours)

____EGR 1413 Engineering Graphics
____EGR 2033 Introduction to Materials
____EGR 2253 Engineering Computation
____EGR 2363 Statics
____EGR 2584 Electric Circuits I
____EGR 3043 Engineering Thermodynamics I
____EGR 3114 Strength of Materials
____EGR 3474 Electronics I
____EGR 3493 Dynamics
____EGR 3543 Engineering Measurements
____EGR 4123 Heat Transfer
____EGR 4513 Fluid Mechanics
____EGR 4263 Engineering Design I
____EGR 4553 Engineering Design II
____EGR 4xx3 Professional Engineering Practices

Choose any 2 electives

____EGR 3053 Engineering Thermodynamics II
____EGR 4563 Control Systems
____EGR 4443 Embedded Systems