

Department of Engineering and Physics
Bachelor of Science Engineering
General 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 (55 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 3434 Digital Electronics

____ EGR 3474 Electronics I

____ EGR 3493 Dynamics

____ EGR 3543 Engineering Measurements

____ EGR 4443 Embedded Systems

____ EGR 4513 Fluid Mechanics

____ EGR 4523 Electromagnetics

____ EGR 4263 Engineering Design I

____ EGR 4553 Engineering Design II

Choose one of the following

____ EGR 3114 Strength of Materials

____ EGR 3464 Electric Circuits II

____ EGR 3484 Electronics II

Choose one of the following

____ EGR 3053 Engineering Thermodynamics II

____ EGR 3143 Signals and Systems

____ EGR 3503 Engineering Optics

____ EGR 4123 Heat Transfer

____ EGR 4563 Control Systems