

**Department of Engineering and Physics**  
**Bachelor of Science Computer Engineering**  
**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: 120**
- **Minor: Mathematics**

**Writing across the Curriculum: (3 Hours)**

\_\_\_\_ ENG 3613 Technical Writing

**Physics (11 Hours)**

\_\_\_\_ PHY 2234 University Physics I  
\_\_\_\_ PHY 2244 University Physics II  
\_\_\_\_ PHY 4293 Nonwestern Cosmology

**Mathematics (17 Hours)**

\_\_\_\_ MTH 1294 Calculus I (satisfies Math LAC)  
\_\_\_\_ MTH 2044 Calculus II (satisfies Core LAC)  
\_\_\_\_ MTH 2283 Discrete Mathematics  
\_\_\_\_ STA 2323 Stat Methods or STA 2053 Applied Biostat  
\_\_\_\_ MTH 3124 Differential Equations

**Computer Science (23 Hours)**

\_\_\_\_ CSC 1104 Foundations of Comp Science I  
\_\_\_\_ CSC 1114 Foundations of Comp Science II  
\_\_\_\_ CSC 2173 Assembler  
\_\_\_\_ CSC 2203 Data Structures  
\_\_\_\_ CSC 3193 Operating Systems  
\_\_\_\_ CSC 3223 Algorithm Analysis  
\_\_\_\_ CSC 3443 Computer Organization

**Engineering (36 Hours)**

\_\_\_\_ EGR 1203 Introduction to Engineering  
\_\_\_\_ EGR 2253 Engineering Computation  
\_\_\_\_ EGR 2584 Electric Circuits I  
\_\_\_\_ EGR 3434 Digital Electronics  
\_\_\_\_ EGR 3474 Electronics I  
\_\_\_\_ EGR 3543 Engineering Measurements  
\_\_\_\_ EGR 4443 Embedded Systems  
\_\_\_\_ EGR 4063 Computer Engineering Design I  
\_\_\_\_ EGR 4073 (WI) Computer Engineering Design II  
\_\_\_\_ EGR 4563 Control Systems  
\_\_\_\_ EGR 4xx3 Professional Engineering Practices