COMPUTER ENGINEERING, BSCP

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 124

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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| ENGL 1113 | Composition I  
ENGL 3323 | Technical Writing | 3 |
| HIST 1103 | Survey of American History  
HIST 1483 | American History to 1865  
HIST 1493 | American History Since 1865  
POLS 1113 | American Government | 3 |
| MATH 2144 | Calculus I (A)  
MATH 2153 | Calculus II (A)  
MATH 2163 | Calculus III | 2 |
| ENSC 2113 | Statics  
ENSC 2123 | Elementary Dynamics  
ENSC 2143 | Strength of Materials  
ENSC 2213 | Thermodynamics  
PHYS 2114 | University Physics II (LN)  
PHYS 3313 | Introduction to Semiconductor Device Physics | 3 |
| MATH 2233 | Differential Equations  
ENGR 1111 | Introduction to Engineering  
ENSC 3213 | Computer Based Systems in Engineering | 3 |

Computer Science

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| CS 1113 | Computer Science I (A)  
CS 2133 | Computer Science II  
CS 2351 | Unix Programming | 3 |
| CS 3653 | Discrete Mathematics for Computer Science | 3 |
| ECEN 2714 | Fundamentals of Electric Circuits  
ECEN 3233 | Digital Logic Design | 4 |
| ECEN 4013 | Design of Engineering Systems  
ECEN 4213 | Embedded Computer Systems Design  
ECEN 4243 | Computer Architecture  
ECEN 4303 | Digital Integrated Circuit Design  
ECEN 4503 | Random Signals and Noise | 3 |
| CS 3353 | Data Structures and Algorithm Analysis I | 3 |
| IEM 3503 | Engineering Economic Analysis | 3 |
| ENSC 2113 | Statics  
ENSC 2123 | Elementary Dynamics  
ENSC 2143 | Strength of Materials  
ENSC 2213 | Thermodynamics  
ENSC 3213 | Computer Based Systems in Engineering | 3 |

Controlled Electives
Select 3 hours of the following technical electives:

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| ENSC 2113 | Statics  
ENSC 2123 | Elementary Dynamics  
ENSC 2143 | Strength of Materials  
ENSC 2213 | Thermodynamics  
ENSC 2313 | Computer Based Systems in Engineering | 3 |

Total Hours 124

1. If a “B” or higher is not earned in ENGL 1113 Composition I, ENGL 1213 Composition II or ENGL 1413 Critical Analysis and Writing II is also required (per Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations)).
2. Courses that must be completed prior to admission to professional school.
A minimum GPA of 2.20 is required in all courses applied to Major Requirements indicated.

**Other Requirements**

**Admission to Professional School (required)**
- Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

**Graduation Requirements**
1. A minimum GPA of 2.00 is required in all courses applied to Major Requirements including ENGL 3323 Technical Writing, 3 hours of (S), and 6 hours of (H).
2. The major engineering design experience, capstone course, is satisfied by ECEN 4013 Design of Engineering Systems and ECEN 4024 Capstone Design.

**Additional State/OSU Requirements**
- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2024.