

COMPUTER ENGINEERING CURRICULUM SHEET (starting with MATH 115) | FALL 2016

| FRESHMAN (31) | | | | | |
|--|------------------------------------|----|---------------|----------------------------------|----|
| FALL | | | SPRING | | |
| CSCE 145 | Intro. Algorithmic Design I | 4 | CSCE 146 | Intro. Algorithmic Design II | 4 |
| CSCE 190 | Computing in Modern World | 1 | CSCE 215 | UNIX/Linux Fundamentals | 1 |
| ENGL 101 | CMW: Critical Reading & Comp. | 3 | ENGL 102 | CMW: Rhetoric & Composition | 3 |
| MATH 115 | Precalculus Mathematics | 4 | MATH 141 | ARP: Calculus I | 4 |
| ELECTIVE | AIU: Aest. & Intr. Understanding | 4 | CHEM 111&L | SCI: General Chemistry I & Lab | 4 |
| | | 16 | | | 16 |
| SOPHOMORE (32) | | | | | |
| FALL | | | SPRING | | |
| CSCE 211 | Digital Logic Design | 3 | CSCE 212 | Intro to Comp. Architecture | 3 |
| CSCE 274 | Robotic Applications & Design | 3 | PHYS 212&L | Essentials of Physics II & Lab | 4 |
| MATH 142 | ARP: Calculus II | 4 | MATH 242 | Elem. Differential Equations | 3 |
| PHYS 211&L | SCI: Essentials of Physics I & Lab | 4 | CSCE 240 | Intro. to Software Engineering | 3 |
| ELCT 102 | Electrical Science | 3 | ELCT 221 | Circuits | 3 |
| | | 17 | | | 16 |
| JUNIOR (31) | | | | | |
| FALL | | | SPRING | | |
| CSCE 311 | Operating Systems | 3 | CSCE 313 | Embedded Systemes | 3 |
| MATH 374 | Discrete Structures | 3 | CSCE 317 | Systems Engineering | 3 |
| ELCT 222 | Signals and Systems | 3 | CSCE 350 | Data Structures & Algorithms | 3 |
| SPCH 140 | Public Communication [meets CMS] | 3 | CSCE 390 | Prof. Issues in CSCE [meets VSR] | 1 |
| STAT 509 | Statistics for Engineers | 3 | ELCT 371 | Electronics | 3 |
| MATH 241 | Vector Calculus | 3 | ENGL 462/3 | Technical/Business Writing | 3 |
| | | 18 | | | 16 |
| SENIOR (31) | | | | | |
| FALL | | | SPRING | | |
| CSCE 490 | Capstone Software Engr. Proj. I | 3 | CSCE 492 | Capstone Software Engr. Proj. II | 3 |
| CSCE 416 | Networks | 3 | CSCE xxx | CSCE Elective | 3 |
| CSCE 611 | Advanced Digital Design | 3 | CSCE xxx | CSCE Elective | 3 |
| CSCE xxx | CSCE Elective | 3 | MATH 344/L | Applied Linear Algebra | 4 |
| ELECTIVE | GSS: Social Science | 3 | ELECTIVE | GHS: Historical Thinking | 3 |
| | | 15 | | | 16 |
| ADDITIONAL REQUIREMENTS (0-12) | | | | | |
| These additional University requirements may be satisfied through overlay courses, by placement testing, or by stand alone courses beyond the curriculum requirements above. | | | | | |
| INF Information Literacy | | | | | |
| USC's ENGL 102 or other approved Carolina Core INF overlay or stand alone course. | | | | | |
| GFL Global Citizenship and Multicultural Understanding: Foreign Language | | | | | |
| Score of two or better on foreign language test, or equivalent study of approved Carolina Core GFL course(s). | | | | | |
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