

| Bachelor of Science in Software Engineering | | |
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| MAJOR REQUIREMENTS/SOFTWARE ENGINEERING: 39 Credits | | Credits |
| | SE120: Foundations of Software Engineering | 3.0 |
| | SE104: Introduction to Software Engineering | 3.0 |
| | SE205: Requirements Engineering and Specifications | 3.0 |
| | SE207: Software Design and Architecture | 3.0 |
| | SE306: Formal Methods in Software Engineering | 3.0 |
| | SE312: Software Verification | 3.0 |
| | SE402: Human-Computer Interaction | 3.0 |
| | SE403: Software Process Improvement | 3.0 |
| | SE418: Software Project Management | 3.0 |
| | SE485A/SE485B: Software Practicum | 6.0 |
| | SExxx: Software Engineering Electives | 6.0 |
| REQUIREMENTS OUTSIDE MAJOR: 61 Credits | | Credits |
| | BE201: Microeconomics | 3.0 |
| | BM250: Principles of Management and Organizational Behavior | 3.0 |
| | BM311: Management of Information Systems | 3.0 |
| | CS175: Introduction to Computer Science I | 4.0 |
| | CS176: Introduction to Computer Science II | 4.0 |
| | CS286: Computer Architecture I | 3.0 |
| | CS305: Computer Algorithms I | 4.0 |
| | CS438: Operating Systems Analysis | 4.0 |
| | MA130: Applied Discrete Mathematics | 3.0 |
| | MA125: Calculus with Analytic Geometry I | 4.0 |
| | MA126: Calculus with Analytic Geometry II | 4.0 |
| | MA319: Probability and Statistics I | 3.0 |
| | PR432: Ethics and Professionalism in Science and Engineering | 3.0 |
| | PH211: General Physics with Calculus I | 4.0 |
| | PH211L: General Physics with Calculus I Lab | 1.0 |
| | PH212: General Physics with Calculus II | 4.0 |
| | PH212L: General Physics with Calculus II Lab | 1.0 |
| Choose 6 credits from among the following Math/Science electives: | MA211; MA221; | |
| | MA225; MA320 | |
| | CE111 and CE111L* | |
| | CE112 and CE112L* | |
| | BY109; BY110 | |
| | PH301; PH302 | 3.0 |
| | <i>*Lab courses are 1 credit each</i> | 3.0 |
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| FREE ELECTIVES :1 Credit | | Credits |
| | _____ | 1.0 |
| | _____ | |

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| GENERAL EDUCATION REQUIREMENTS: 27 Credits | | Credits |
| First Year Seminar | FY-101: First Year Seminar | 3.0 |
| Reading and Writing | EN101: College Composition I | 3.0 |
| | EN102: College Composition II | 3.0 |
| Mathematics | Fulfilled in Outside Major Requirements with required MA courses | 0.0 |
| Natural Sciences | Fulfilled in Outside Major Requirements with required PH courses | 0.0 |
| Literature | 3 Credits from courses designated with Course*Type: LIT | 3.0 |
| Aesthetics and Creativity | 3 Credits from Art, Music, Theatre, or Dance | 3.0 |
| Technological Literacy | Fulfilled in Outside Major Requirements with CS102 | 0.0 |
| Reasoned Oral Discourse | Fulfilled in Major Requirements with SE485A or SE485B | 0.0 |
| Historical Perspective | 3 Credits from courses designated with Course*Type: HS.SV | 3.0 |
| Social Science | Fulfilled in Outside the Major Requirements with BE201 | 0.0 |
| Historical Perspective/Social Sciences | 3 Credits from courses designated with Course*Type: HS.SV | 3.0 |
| | or 3 Credits from courses designated with Course*Type: SS.SV | |
| Interdisciplinary Perspectives | Fulfilled in Outside Major Requirements with PR432 | 0.0 |
| Cultural Diversity/Global Understanding | 3 Credits from courses designated with Course*Type: CD | 6.0 |
| | 3 Credits from courses designated with Course*Type: GU | |
| | or 6 Credits from the SAME foreign language | |
| Experiential Education | Fulfilled in Major Requirements with SE485B | 0.0 |
| Writing Intensive | Two courses from Software Engineering (SE) designated with Course*Type: WT | 0.0 |
| | | 0.0 |

Total Credits for Bachelor of Science in Software Engineering = 128.0

NOTES:

* 58 credits must be completed at the 200 level or higher.