

SAMPLE COURSE GUIDE FOR B.S. COMPUTER SCIENCE

Note: Courses in bold are part of the GENERAL UNIVERSITY COURSE REQUIREMENTS. This is a suggested course guide and may change as needed.

FRESHMAN YEAR FIRST SEMESTER

| | Credits |
|-----------------------------|---------|
| UNIV 101 Foundations | 2 |
| CPSC 150 Digital Logic | 3 |
| MATH 140 College Algebra | 4 |
| CPSC 207 Intro to C++ | 3 |
| CPSC 230 Databases I | 3 |
| | 15 |

SECOND SEMESTER

| | Credits |
|--------------------------------------|---------|
| ENG 101 English Composition I | 3 |
| CPSC 202 Discrete Math | 3 |
| MATH 150 Trigonometry | 4 |
| Fine Arts | 3 |
| CPSC 330 Databases II | 3 |
| | 16 |

SOPHOMORE YEAR FIRST SEMESTER

| | Credits |
|---------------------------------|---------|
| MATH 212 Calculus I | 5 |
| CPSC 202 JAVA I | 3 |
| CPSC 112 Internet Programming I | 3 |
| CPSC 344 Database Management | 3 |
| | 14 |

SECOND SEMESTER

| | Credits |
|---------------------------------------|---------|
| MATH 213 Calculus II | 5 |
| CPSC 302 JAVA II | 3 |
| CPSC 312 Internet Programming II | 3 |
| ENG 102 English Composition II | 3 |
| | 14 |

JUNIOR YEAR FIRST SEMESTER

| | Credits |
|--|---------|
| MATH 335 Linear Algebra & Differential Equations | 4 |
| PHYS 211 Physics I | 4 |
| PHIL 210 Logic & Critical Reasoning | 3 |
| CPSC 345W Software Engineering | 3 |
| | 14 |

SECOND SEMESTER

| | Credits |
|---|---------|
| MATH 221 Intro to Stats | 4 |
| CPSC 306 Computer Organization & Architecture | 3 |
| Humanities | 3 |
| Social Science | 3 |
| HIS 102W World Civilization II | 3 |
| | 16 |

SENIOR YEAR FIRST SEMESTER

| | Credits |
|----------------------------|---------|
| CPSC 321 Operating Systems | 3 |
| CPSC 352 Data Structures | 3 |
| World Language | 4 |
| FREE ELECTIVE | 3 |
| FREE ELECTIVE | 3 |
| | 16 |

SECOND SEMESTER

| | Credits |
|--|---------|
| ENG 351W Technical Writing | 3 |
| CPSC 331 Theories of Programming Languages | 3 |
| CPSC 400 Design & Analysis of Algorithms | 3 |
| CPSC 497 Senior Thesis | 3 |
| FREE ELECTIVE | 3 |
| | 15 |

TOTAL: 120 CREDITS



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