

BS in Computer Science

Milligan University

Catalog Year
2024-2025

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the College Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan University.

| FALL SEMESTER 1 | | |
|-------------------------|--|-----------|
| COURSE | TITLE | CREDITS |
| BIBL 123 | Old Testament Survey | 3 |
| COMM 102 or MATH 211 | Speech Communications Calculus I | 3 |
| CS 211 | Programming Logic | 3 |
| HUMN 101 | Ancient & Medieval Cultures | 4 |
| IS 201 | Hardware/Software Fundamentals | 3 |
| CS 100 | Survey of Technology (fulfills MLGN 100/200) | 1 |
| | | |
| | TOTAL CREDITS | 17 |

| SPRING SEMESTER 1 | | |
|-------------------|--------------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| BIBL 124 | New Testament Survey | 3 |
| COMP 111 | Rhetorical Composition | 3 |
| CS 230 | Information Assurance/Security | 3 |
| EXSC 101 | Fitness for Life | 1 |
| HUMN 102 | Renaissance & Early Modern | 4 |
| IS 297 | Object Oriented Programming - Python | 3 |
| | | |
| | TOTAL CREDITS | 17 |

| FALL SEMESTER 2 | | |
|-----------------|-----------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| COMP 211 | Found. Analytical Composition | 3 |
| CS 297 | Object Oriented Programming - C++ | 3 |
| HUMN 201 | 18th & 19th Century Culture | 4 |
| MATH 302 | Discrete Mathematics | 3 |
| | Technical or General Elective | 3 |
| | | |
| | | |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 2 | | |
|-------------------|--|-----------|
| COURSE | TITLE | CREDITS |
| CS 201 | Computer Organization and Architecture | 3 |
| | Technical or General Elective | 3 |
| CS 320 | Networking and Communications | |
| CS 307 | Data Structures | 3 |
| HUMN 202 | Cultures of the 20th & 21st Centuries | 4 |
| | | 3 |
| | | |
| | TOTAL CREDITS | 16 |

| FALL SEMESTER 3 | | |
|-----------------|-------------------------------|-----------|
| COURSE | TITLE | CREDITS |
| CS 313 | Advanced Programming | 3 |
| CS 301 | Operating Systems | 3 |
| | Lab Science | 4 |
| IS 305 | Database Management | 3 |
| | Technical or General Elective | 3 |
| | | |
| | | |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 3 | | |
|-------------------------|--|-----------|
| COURSE | TITLE | CREDITS |
| COMM 102 or MATH 213 | Speech Communications Statistics | 3 |
| CS 350 or CS 298 | Analysis of Algorithms - spring odd Object Oriented Prog. - JAVA -spring even | 3 |
| | Technical or General Elective | 3 |
| | Technical or General Elective | 3 |
| | Technical or General Elective | 3 |
| | | |
| | TOTAL CREDITS | 15 |

| FALL SEMESTER 4 | | |
|-----------------|---|-----------|
| COURSE | TITLE | CREDITS |
| IS 341 | Systems Analysis and Design (fulfills MLGN 200) | 3 |
| | Social Learning Course | 3 |
| | General Science | 2 |
| | Technical or General Elective | 3 |
| | Technical or General Elective | 3 |
| | Technical or General Elective | 2 |
| | TOTAL CREDITS | 16 |

| SPRING SEMESTER 4 | | |
|---------------------|--|------------|
| COURSE | TITLE | CREDITS |
| BIBL 471 | Christ and Culture | 3 |
| CS 450 | Computer Science Design Capstone | 3 |
| CS 350 or CS 298 | Analysis of Algorithms - spring odd Object Oriented Prog. - JAVA -spring even | 3 |
| | Technical or General Elective | 3 |
| | Technical or General Elective | 3 |
| | TOTAL CREDITS | 15 |
| | MINIMUM 128 NEEDED FOR GRAD | 128 |