

2045 Information Technology -- Fall 2023

| Semester 1 | | |
|-------------------|--|----------------|
| Course | Name | Credits |
| ENGL 101 | COMPOSITION & THE SPOKEN WORD | 3 |
| | Elective Mathematics -- Minimum MATH121 | 3 |
| CITA 163 | SURVEY OF INFORMATION TECHNOLOGY | 3 |
| BSAD 100 | INTRODUCTION TO BUSINESS | 3 |
| CITA 152 | COMPUTER LOGIC | 3 |
| | | 15 |
| Semester 2 | | |
| Course | Name | Credits |
| MATH 141 | STATISTICS | 3 |
| | GER - Diversity: Equity, Inclusion, and Social Justice | 3 |
| | GER - Natural Science and Scientific Reasoning | 3 |
| CITA 170 | COMPUTER CONCEPTS & OPERATING SYSTEMS | 3 |
| CITA 171 | OPERATING SYSTEM USE & ADMINISTRATION | 3 |
| CITA 175 | COMPUTER CONCEPTS & OPERATING SYSTEMS LAB | 1 |
| | | 16 |
| Semester 3 | | |
| Course | Name | Credits |
| CITA 180 | INTRODUCTION TO PROGRAMMING | 4 |
| CITA 215 | DATABASE APPLICATIONS AND CONCEPTS | 3 |
| CITA 220 | DATA COMMUNICATIONS & NETWORK TECHNOLOGY | 3 |
| CITA 221 | DATA COMMUNICATIONS & NETWORK TECHNOLOGY LAB | 1 |
| | GER Elective (7,8,9,10,11) | 3 |
| | ECON 101 PRINCIPLES OF MACROECONOMICS or ECON 103 PRINCIPLES OF MICROECONOMICS | 3 |
| | | 17 |
| Semester 4 | | |
| Course | Name | Credits |
| | GER Elective (7,8,9,10,11) | 3 |
| | GER Elective - Any | 3 |
| | GER Elective - Any | 3 |
| CITA 204 | SYSTEMS ANALYSIS & DESIGN | 3 |
| CYBR 250 | INFORMATION SECURITY | 3 |
| | | 15 |

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| Semester 5 | | |
|-------------------|--|----------------|
| Course | Name | Credits |
| CITA 310 | WEB SERVER ADMINISTRATION | 3 |
| SOET 361 | PROJECT MANAGEMENT | 3 |
| CITA 300 | MANAGEMENT INFORMATION SYSTEMS | 3 |
| ACCT 101 | FOUNDATIONS OF FINANCIAL ACCOUNTING | 4 |
| BSAD 301 | PRINCIPLES OF MANAGEMENT | 3 |
| | | 16 |
| Semester 6 | | |
| Course | Name | Credits |
| | Program Elective - CITA/CYBR/GAME | 3 |
| | Program Elective - CITA/CYBR/GAME | 3 |
| | Program Elective - CITA/CYBR/GAME | 3 |
| ECON 370 | ENGINEERING ECONOMICS | 3 |
| | Program Elective Upper Level - CITA/CYBR/GAME | 3 |
| | | 15 |
| Semester 7 | | |
| Course | Name | Credits |
| CITA 440 | NETWORK MANAGEMENT | 3 |
| CITA 441 | NETWORK MANAGEMENT LAB | 1 |
| | Program Elective Upper Level - CITA/CYBR/GAME | 3 |
| | Elective Upper Level Liberal Arts | 3 |
| | Elective Upper Level | 3 |
| | Elective | 3 |
| | | 16 |
| Semester 8 | | |
| Course | Name | Credits |
| CITA 330 | EMERGING INFORMATION TECHNOLOGY APPLICATIONS | 3 |
| CITA 460 | INFORMATION TECHNOLOGY AND NETWORKED ECONOMY | 3 |
| SOET 477 | CAPSTONE PROJECT | 3 |
| | CITA 480 Internship or 2 Elective Upper Level - CITA/CYBR/GAME | 6 |
| | | 15 |
| | | 125 |

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All CITA courses presented for graduation must have a grade of C (or better) or transfer credit.

No more than 3 CITA credits with a course number below CITA 150 may be used for credit towards graduation.