

COMPUTER INFORMATION SYSTEMS, BACHELOR OF ARTS

| Code | Title | Hours |
|---|---|-------|
| General Education Courses | | |
| <i>I. Communication</i> | | |
| English: | | |
| Select two of the following: | | 6 |
| ENGL U101 | Composition I | |
| ENGL U102 | Composition II | |
| Speech: | | |
| SPCH U201 | Foundations in Oral Communication | 3 |
| <i>II. Mathematics, Logic & Natural Sciences</i> | | |
| Mathematics: ^{1,2} | | |
| MATH U102 | Elementary Statistics | 3 |
| MATH U126 | Precalculus I | 3 |
| Natural Science (at least one with the associated lab): | | |
| Select one of the following: | | 4 |
| ASTR U111 & U111L | Descriptive Astronomy and Descriptive Astronomy Laboratory | |
| BIOL U101 & U101L | Introductory Biology I and Introductory Biology I Lab | |
| BIOL U102 & U102L | Introductory Biology II and Introductory Biology II Lab | |
| BIOL U110 & U110L | General Biology and General Biology Lab | |
| BIOL U220 & U220L | Botany and Society and Botany and Society Laboratory | |
| BIOL U244 & U244L | Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab | |
| CHEM U106 & U106L | Chemistry and Society and Chemistry and Society Lab | |
| CHEM U109 & U109L | Chemistry of Living Things and Chemistry of Living Things Lab | |
| CHEM U111 & U111L | General Chemistry and General Chemistry Lab | |
| CHEM U112 & U112L | General Chemistry and Qualitative Analysis and General Chemistry and Qualitative Analysis Lab | |
| GEOL U101 & U101L | Physical Geology and Physical Geology Lab | |
| GEOL U102 & U102L | Historical Geology and Historical Geology Lab | |
| GEOL U103 & U103L | Environmental Geology and Environmental Geology Lab | |
| PHYS U101 & U101L | Introduction to Physical Science and Introduction to Physical Science Laboratory | |
| PHYS U201 & U201L | General Physics I and General Physics I Lab | |
| PHYS U202 & U202L | General Physics II and General Physics II Lab | |
| Math, Logic and/ or Natural Science: | | |

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| Select any Natural Science course listed above or: | | 3-4 |
| BIOL U206 | Genetics and Society | |
| BIOL U240 | Human Biology and Society | |
| BIOL U260 | Emerging Infectious Diseases | |
| BIOL U270 | Environmental Science | |

III. Information Technology

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| Information Technology: ¹ | | |
| CSCI U138 | Introduction to Computer Technology | 3 |
| or CSCI U150 Introduction to Computer Science | | |

IV. Fine Arts, Humanities & History

Choose one course from each of the following three sections, with three disciplines represented.

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| Fine Arts: | | |
| Select one of the following: | | 3 |
| AFAM U204 | African American Culture | |
| ARTH U101 | Introduction to Art | |
| ARTH U105 | History of Western Art: Prehistory - Middle Ages | |
| ARTH U106 | History of Western Art: Renaissance - Modern | |
| MUSC U110 | Introduction to Music | |
| MUSC U140 | History of American Popular Music | |
| THEA U161 | Introduction to Theatre Art | |
| THEA U170 | Fundamentals in Acting | |

History:

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| Select one of the following: | | 3 |
| HIST U101 | Introduction to World History I | |
| HIST U102 | Introduction to World History II | |
| HIST U105 | History of the United States to 1877 | |
| HIST U106 | History of the United States from 1865 | |

V. Foreign Language & Culture

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| Foreign Language: | | |
| Select one of the following: ³ | | 3 |
| ASLG U101 | American Sign Language I | |
| FREN U101 | Introductory French I | |
| GERM U101 | Introductory German I | |
| SPAN U101 | Introductory Spanish I | |

VI. Social & Behavioral Sciences

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| Social & Behavioral Science: | | |
| Select one of the following: | | 3 |
| AFAM U201 | Introduction to African American Studies | |
| ANTH U102 | Understanding Other Cultures | |
| ECON U221 | Principles of Macroeconomics | |
| ECON U222 | Principles of Microeconomics | |
| GEOG U103 | Introduction to Geography | |
| POLI U101 | American National Government | |
| PSYC U101 | Introduction to Psychology | |
| SOCY U101 | Introduction to Sociology | |
| SPCH U210 | Interpersonal Communication | |
| UNIV U201 | Leadership Development I | |
| WGST U101 | Introduction to Women's & Gender Studies | |

VII. General Education Electives

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| Select any approved general education course or courses (https://academic-catalog.uscupstate.edu/academic-programs/general-education-courses/) | | 6 |
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Core Major Requirements ^{1,4}

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| CSCI U200 | Computer Science I | 3 |
| CSCI U211 | Information Systems Hardware and Software | 3 |
| CSCI U236 | Python Programming | 3 |
| or CSCI U238 | C++ Programming | |
| CSCI U300 | Computer Science II | 3 |
| CSCI U355 | Digital Forensics | 3 |
| CSCI U375 | Introduction to Cybersecurity | 3 |
| CSCI U412 | Introduction to Computer Networks and Security | 3 |
| CSCI U520 | Database System Design | 3 |
| CSCI U521 | Database Implementation, Application and Administration | 3 |
| CSCI U599 | Computer Science Senior Seminar | 3 |
| <i>Supporting Courses</i> ¹ | | |
| MATH U174 | Elements of Discrete Mathematics | 3 |
| Select one of the following: | | 3 |
| MATH U202 | Elementary Statistics II | |
| MATH U315 | Statistical Methods I | |
| MATH U127 | Precalculus II | |
| 300-level or higher course from MGMT, BADM, MKTG, or LSCM | | 3 |
| <i>Information Systems Electives</i> ¹ | | |
| Select any eight CSCI 300-level or above courses for majors or advisor-approved transfer credit | | 24 |
| Electives | | |
| Select electives sufficient to reach 120 credit hours | | 13-14 |
| Total Hours | | 120 |

¹ A minimum grade of C is required in each course indicated.

² Students must complete all courses in this category even if they have earned an Associate's degree.

³ The minimum acceptable level of competency is completion of the 101 level of a language. Students who place into the 102 or higher level of a language satisfy the language requirement but will have additional hours in general education electives, if hours are required by their degree program.

⁴ At least 15 credit hours of Core Major Requirements must be completed at USC Upstate.