

HEALTH INFORMATICS, BACHELOR OF ARTS

The Bachelor of Arts in Health Informatics is a multidisciplinary degree integrating an understanding of health information management (HIM), computer technology, information management, information processing, communications, information resources administration, and the management of health information systems. The program provides graduates with the knowledge and skills needed to design, develop, and manage health information systems by combining concepts in healthcare, information technology, and leadership. The curriculum for the Bachelor of Arts in Health Informatics includes 43-44 hours in general education, 21 hours in health informatics, 48 hours in the Information Technology core, and 9 hours in departmentally-approved healthcare-related electives.

| 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: | | |
| Select one of the following: | | 3-4 |
| MATH U121 | College Algebra | |
| MATH U122 | Calculus for Management and Social Sciences | |
| MATH U126 | Precalculus I | |
| MATH U127 | Precalculus II | |
| MATH U141 | Calculus I | |
| MATH U142 | Calculus II | |
| Natural Science (w/ 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 U143 & U143L | Foundations of Human Physiology and Foundations of Human Physiology Laboratory | |
| BIOL U220 & U220L | Botany and Society and Botany and Society Laboratory | |
| 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 | |

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|---|---|-----|
| 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 | |
| Select one additional course from the above list with or without laboratory or: | | 3-4 |
| BIOL U206 | Genetics and Society | |
| BIOL U240 | Human Biology and Society | |
| BIOL U260 | Emerging Infectious Diseases | |
| BIOL U270 | Environmental Science | |
| GEOL U104 | Natural Disasters | |
| GEOL U120 | Geology of the Southeast | |
| Math and/or Logic: | | |
| Select one of the following: | | 3 |
| ECON U291 | Probability and Statistics | |
| MATH U102 | Elementary Statistics | |
| PSYC U225 | Psychological Statistics | |
| SOCY U201 | Introduction to Statistics for the Social Sciences | |
| <i>III. Information Technology</i> | | |
| Information Technology: | | |
| Select one of the following: | | 3 |
| INFO U101 | Survey of Information Technology | |
| INFO U102 | Introduction to Digital Safety | |
| CSCI U138 | Introduction to Computer Technology | |
| CSCI U150 | Introduction to Computer Science | |
| <i>IV. Fine Arts, Humanities & History</i> | | |
| 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 | |
| ENGL U208 | Introduction to Creative Writing | |
| MUSC U110 | Introduction to Music | |
| MUSC U140 | History of American Popular Music | |
| THEA U161 | Introduction to Theatre Art | |
| THEA U170 | Fundamentals in Acting | |
| History: | | |
| 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

Foreign Language:

Select one of the following: ¹ 3

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|-----------|---------------------------|--|
| ASLG U101 | American Sign Language I | |
| ASLG U102 | American Sign Language II | |
| FREN U101 | Introductory French I | |
| FREN U102 | Introductory French II | |
| GERM U101 | Introductory German I | |
| GERM U102 | Introductory German II | |
| SPAN U101 | Introductory Spanish I | |
| SPAN U102 | Introductory Spanish II | |
| SPAN U201 | Intermediate Spanish | |

VI. Social & Behavioral Sciences

Social & Behavioral Science:

Select one of the following: 3

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|-----------|--|--|
| ANTH U102 | Understanding Other Cultures | |
| AFAM U201 | Introduction to African American Studies | |
| CRJU U101 | Introduction to Criminal Justice | |
| 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

General Education Electives:

Select any approved general education course or courses (<https://academic-catalog.uscupstate.edu/academic-programs/general-education-courses/>) 6-8**Major Requirements ²****Information Technology Core**

Foundation:

| | | |
|-----------|--|---|
| INFO U201 | Concepts of Information Management and Systems | 3 |
| INFO U303 | Organizational Informatics and IT Platforms | 3 |
| INFO U305 | Social Informatics | 3 |
| INFO U307 | Systematic Innovation | 3 |
| INFO U345 | Technical Presentation and Communication | 3 |

Foundation Elective:

Select one of the following: 3

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|-----------|---------------------------------|--|
| ENGL U245 | Business Writing | |
| ENGL U318 | Writing in Digital Environments | |
| ENGL U346 | Technical Writing | |

Networking Technology:

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|-----------|---------------------------|---|
| INFO U315 | Networking Technology | 3 |
| INFO U415 | E-Commerce & the Internet | 3 |

IT Management:

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|-----------|-------------------------|---|
| INFO U441 | IT Project Management | 3 |
| INFO U450 | Executive IT Management | 3 |

Database Technology:

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|-----------|--|---|
| INFO U325 | Fundamentals of Relational Database Management Systems | 3 |
| INFO U421 | Data Warehousing and Decision Support Systems Technology | 3 |

Capstone:

| | | |
|-----------|---|---|
| HIMS U425 | Public Policy Trends in Health Informatics | 3 |
| HIMS U499 | Senior Seminar in Healthcare Information Management | 3 |

Technical Electives:

Select two of the following: 6

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|-----------|--|--|
| INFO U139 | Introduction to Object-Oriented Applications | |
| INFO U211 | Microcomputer Organization | |
| INFO U347 | Web Page Construction | |
| INFO U423 | Human-Machine Interaction | |
| INFO U424 | Big Data | |
| INFO U427 | Cybersecurity Technology | |
| INFO U430 | Intelligent Systems | |
| INFO U445 | Computer Forensics | |
| HIMS U426 | Healthcare Finance | |

Health Informatics

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|-----------|---|---|
| HIMS U201 | Understanding Healthcare Organizations | 3 |
| HIMS U250 | Fundamentals of Healthcare Administration | 3 |
| HIMS U301 | Health Informatics and Information Systems Applications | 3 |
| HIMS U302 | Healthcare Data Management and Information Governance | 3 |
| HIMS U412 | Legal Aspects of Health Information Management | 3 |
| HIMS U413 | Healthcare Technology and the Electronic Health Record | 4 |
| HIMS U417 | Information Privacy and Security | 3 |
| HIMS U450 | Healthcare Quality Management and Performance Improvement | 3 |

Electives

Select two of the following: 6

| | | |
|-----------|---|--|
| BIOL U206 | Genetics and Society | |
| HIMS U350 | Healthcare Quality Improvement | |
| INFO U399 | Independent Study Informatics | |
| INFO U498 | Experiential Learning in Information Management and Systems | |
| JOUR U349 | Health Messaging and the Media | |
| PSYC U325 | Research Methods for Psychology | |
| SOCY U357 | Sociology of Mental Health and Mental Illness | |
| SOCY U361 | Medical Sociology | |

Total Hours**122-123**

¹ 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.

² A minimum grade of C is required.