

# 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
<b>General Education Courses</b>		
<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 &amp; 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	

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 &amp; 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: <sup>1</sup> 3

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 &amp; Behavioral Science:

Select one of the following: 3

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 <sup>2</sup>****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

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

## Networking Technology:

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

## IT Management:

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

## Database Technology:

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

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**

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**

<sup>1</sup> 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.

<sup>2</sup> A minimum grade of C is required.