

Health Information Technology- Bachelor of Science in Information Technology

For information, contact the CIT Department Office on the Hamilton campus at 301 Mosler Hall, 513-785-3132.

The Bachelor of Science in Information Technology with a major in Health Information Technology addresses the technology and processes used by health care providers and related organizations. The program includes instruction in the technology used to acquire and direct the flow of information between the clinical, administrative, and financial systems in the healthcare industry as well as general principles of information technology. Students who complete the program will obtain a strong background in technology including database, problem-solving, systems analysis, and project management skills as well as a foundation in the culture of the healthcare system. This program prepares students for graduate studies and/or jobs that integrate healthcare and technology in the evolving U.S. healthcare system. Students who graduate from this program will have a strong skill set that includes data analytics, data visualization, and agile practices including ICAgile professional certification(s).

Curriculum Requirements

Students must earn a minimum cumulative GPA of 2.00 for all program requirements.

Program Requirements

(98 Semester hours)

Code	Title	Credit Hours
Core Courses		
BIO 161	Principles of Human Physiology	4
BIO 232	Human Heredity	3
BIO 325	Pathophysiology	4
CIT 101	Computing Skills (S) ¹	1
CIT 168	Information Technology Tools and Techniques for Organizations	4
CIT 201	Advanced Spreadsheets and Analytics	3
CIT 205	Agile Launchpad I (ICAgile)	3
CIT 214	Database Design and Development	3
CIT 231	Healthcare Information Technology Around the World	3
CIT 258	Introduction to Global Cybersecurity	3
CIT/CSE 262	Technology, Ethics, and Global Society	3
CIT 268	Introduction to Human-Computer Interaction	3
CIT 273	Web Application Development	3
CIT 331	Healthcare Workflow and Process Improvement	3
CIT 338	Business Intelligence Tools	3

CIT 348	Information Management and Retrieval	3
CIT 357	Current Practices in Information Technology	3
CIT 376	IT for Organizations	3
CIT 431	Health Information Technology I	3
CIT 448	Global and Strategic Issues in Information Technology	3
CMR 224	Medical Terminology	3
CSE 163	Introduction to Computer Concepts and Programming	3
ENG 111	Composition and Rhetoric	3
EGS 215	Workplace Writing	3
or EGS 305	Integrative Writing in Global Contexts	
ENG 313	Technical Writing	3
or EGS 215	Workplace Writing	
MTH 122	College Algebra (or higher)	3
NSG 321	U. S. Health Care System and Culture	3
STA 261	Statistics	3-4
or STA 301	Applied Statistics	
or STA 125	Introduction to Business Statistics	
STC 135	Principles of Public Speaking	3
or STC 136	Introduction to Interpersonal Communication	

Senior Capstone

CIT 468	Health Information Technology Project Lifecycle	4
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Technical Electives

Select 6 hours of the following: ² 6

CIT 225	Fundamentals of DevOps [ICAgile]	
CIT 253	Contemporary Programming Languages	
CIT 263	Advanced Topics in Programming	
CIT 270	Special Topics in Computer and Information Technology	
CIT 281	Enterprise Network Infrastructure	
CIT 284	Enterprise Server Installation and Configuration	
CIT 286	Designing and Deploying Secure Enterprise Networks	
CIT 306	Agile: Business Value Analysis (ICAgile)	
CIT 307	Agile: Project Management (ICAgile)	
CIT 358	Information Technology Assurance and Security	
CIT 432	Health Information Technology II	
CSE 153	Introduction to C/C++ Programming	
CSE 174	Fundamentals of Programming and Problem Solving	
CSE 271	Object-Oriented Programming	
CSE 274	Data Abstraction and Data Structures	
CSE 283	Data Communication and Networks	

Total Credit Hours 98-99

¹ Students must take CIT 101S *Computing Skills: Spreadsheets*.

2 Health Information Technology- Bachelor of Science in Information Technology

² May not select courses used to meet other program requirements. Other technical electives must be pre-approved.