

Computer and Information Technology- Associate in Applied Science

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

Computer and Information Technology focuses on the development and support of computing and networked systems. Computing knowledge and skills are vital for professional success in any field and there will always be a need for technically skilled professionals. The Computer and Information Technology Associate Degree program provides two concentrations essential to contemporary computing, both leading to an Associate Degree in Applied Science with a major in Computer and Information Technology.

The Cybersecurity & Networking concentration prepares students to design, install, troubleshoot, and support secure computer networks. The Software Development and Support concentration prepares students to design and create software in a variety of current programming languages and to support application programs and systems. Both concentrations provide a foundation of critical analysis, problem solving, and technical and interpersonal communication skills, all of which are critical for success in any technical position.

Curriculum Requirement

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

Program Requirements

(62 Semester hours)

Code	Title	Credit Hours
Foundation Requirements		
Select the following:		
CIT 167	Information Technology People and Practices	2
CIT 168	Information Technology Tools and Techniques for Organizations	4
CIT 205	Agile Launchpad I	3
CIT 214	Database Design and Development	3
CIT 262	Technology, Ethics, and Global Society	3
CIT 268	Introduction to Human-Computer Interaction	3
CIT 273	Web Application Development	3
CSE 163	Introduction to Computer Concepts and Programming	3
ENG 111	Composition and Rhetoric	3
or ENG 109	Composition and Rhetoric for Second-Language Writers	
ENG 112	Composition and Literature	3
or EGS 215	Workplace Writing	

MTH 119	Quantitative Reasoning	4
STA 261	Statistics	4
or STA 301	Applied Statistics	
STC 135	Principles of Public Speaking	3
or STC 136	Introduction to Interpersonal Communication	
Miami Plan Global Perspectives elective		3
Miami Plan IIA or Miami Plan IV elective		3
Foundation Concentration		
Select one group:		9
Cybersecurity & Networking		
CIT 258	Introduction to Global Cybersecurity	
CIT 281	Enterprise Network Infrastructure	
CIT 284	Enterprise Server Installation and Configuration	
Software Development and Support		
CSE 174	Fundamentals of Programming and Problem Solving	
CSE 271	Object-Oriented Programming	
CIT 263	Advanced Topics in Programming	
or CIT 253	Contemporary Programming Languages	
Self design - see advisor		
Technical Electives		
Select three hours of the following: ¹		3
CIT 201	Advanced Spreadsheets and Analytics	
CIT 225	Fundamentals of DevOps [ICAgile]	
CIT 258	Introduction to Global Cybersecurity	
CIT 281	Enterprise Network Infrastructure	
CIT 284	Enterprise Server Installation and Configuration	
CSE 174	Fundamentals of Programming and Problem Solving	
CSE 271	Object-Oriented Programming	
CIT 253	Contemporary Programming Languages	
CIT 263	Advanced Topics in Programming	
CIT 270	Special Topics in Computer and Information Technology	
CSE 153	Introduction to C/C++ Programming	
CSE 283	Data Communication and Networks	
Free Electives		3
Total Credit Hours		62

¹ May not select courses used to meet other program requirements. Other technical electives must be pre-approved.