

Computer Information Technology (A25260)

Official Program Description registered with the NC Community College System:

The Computer Information Technology curriculum is designed to prepare graduates for employment with organizations that use computers to process, manage, and communicate information. This is a flexible curriculum that can be customized to meet community information systems needs.

Course work will develop a student's ability to communicate complex technical issues related to computer hardware, software, and networks in a manner that computer users can understand. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support.

Graduates should qualify for employment in entry-level positions with business, educational systems, and governmental agencies which rely on computer systems to manage information. Graduates should be prepared to sit for industry-recognized certification exams.

The Computer Information Technology curriculum at Wayne Community College is designed to train graduates to use the hardware and software of personal computers, providing graduates with the broad spectrum of skills needed to productively use small computers in organizational settings.

Program Learning Outcomes

The Associate of Applied Science Degree in Computer Information Technology is designed to prepare students for employment and careers in today's global and technology-based economy. Graduates of this program will develop skills that will allow them to work in the computer industry as an end-user, applications developer and a general knowledge of networking, hardware, and help-desk processes.

Graduates of this program will be able to:

- Think logically and make rational decisions in solving computer related problems using sound theories and proven practices.
- Possess a vast array of knowledge related to computer technologies such that they can transition to new and future processes with minimum training.
- Write and/or modify computer programs using the latest computer languages.
- Use popular Relational Database Management Systems and Web-Based software to develop customized systems.
- Demonstrate a working knowledge of Networking, Hardware and Help-Desk functions as related to computers.
- Possess an expert knowledge in using off-the-shelf software such as word processing, spreadsheet, database and presentation software.
- Communicate information effectively in today's technology-oriented business environment using written, spoken, and/or visual methods.
- Apply mathematical concepts and methods to understand, analyze, and solve mathematical problems necessary to perform job-related tasks.
- Demonstrate knowledge of accepted ethical behavior and interpersonal skills that reflect an understanding of diversity and the need for teamwork.
- Understand the importance of keeping abreast of technological changes that effect the office professional.

Degree Awarded

The Associate in Applied Science Degree - Computer Information Technology is awarded by the College upon completion of this program.

Note

Individuals desiring a career in Computer Information Technology should if possible, take algebra, keyboarding, and computer applications courses prior to entering the program. Courses that require critical reading, and written and oral communications skills will also be valuable.

Though students are not required to own their own computer, it is strongly recommended. In addition to textbooks, students will be required to provide their own portable storage media, such as USB drives, for most classes.

For More Information

The Computer Information Technology program is in the Business and Computer Technologies Division. For more information, call (919) 735-5151, ext. 272. On the Internet, send e-mail to bull@wcc.waynecc.edu or visit us at our web site at www.waynecc.edu or www.waynecc.edu/academic-programs/outlines/A25260.pdf.

Admissions

- A high school diploma or equivalent is required.
- Placement tests in English, mathematics, reading, and computer skills are required to determine entry-level courses that match individual needs.

First Step To Enroll:

Call the Admissions and Records Office at (919) 735-5151, ext. 238.

		Contact Hours	Semester Credit Hours
FIRST SEMESTER			
ACA 111	College Student Success.....	1	1
BUS 110	Introduction to Business	3	3
CIS 110	Introduction to Computers	4	3
COE 110	World of Work	1	1
ENG 111	Expository Writing	3	3
NOS 110	Operating Systems Concepts..	5	3
	Social/Behavioral Science		
	Elective	3	3
			17
SECOND SEMESTER			
CIS 115	Introduction to Prog & Logic	5	3
CTS 120	Hardware/Software Support	5	3
CTS 130	Spreadsheet	4	3
DBA 110	Database Concepts	5	3
ENG 114	Prof Research and Reporting ..	3	3
NOS 130	Windows Single User.....	4	3
			18
THIRD SEMESTER			
CTS 230	Advanced Spreadsheet	4	3
CTS 285	Systems Analysis & Design	3	3
DBA 115	Database Applications	4	3
NET 125	Networking Basics	5	3
NOS 230	Windows Admin I	4	3
SEC 110	Security Concepts.....	3	3
	Major Elective		2
			18-20
FOURTH SEMESTER			
CTS 118	IS Professional Comm	2	2
CTS 289	System Support Project	5	3
MAT 140	Survey of Mathematics	3	3
NOS 231	Windows Admin II	4	3
	Major Elective	1	3
	Humanities/Fine Arts Elective ..	3	3
			15-17
		Total Credit Hours	68-72
COE 111	Co-op Work Experience I.....	10	1
COE 112	Co-op Work Experience I.....	20	2
COE 121	Co-op Work Experience II.....	10	1
COE 122	Co-op Work Experience II.....	20	2
COE 131	Co-op Work Experience III.....	10	1
CSC 151	Java Programming.....	5	3
NET 126	Routing Basics.....	5	3
NOS 120	Linux/UNIX Single User	4	3
SEC 150	Secure Communications.....	4	3