COMPUTER & INFORMATION TECHNOLOGY (CIT)

The CIT Program prepares students for high paying jobs in several areas of Technology. We offer both an Associate in Applied Science Degree as well as certificates in the program.
The curriculum is supported by a solid foundation of core courses that focus on problem solving and communication skills for IT Professionals involved in a Computer Network environment.

This program includes tracks in Applications, Information Security, Internet Technologies, Network Administration, Network Technologies, and Programming, with a core of courses common to all. The core includes a general education component essential to a collegiate education and a technical component giving students an introduction to information systems, computer applications, program development, system maintenance, networking, security, Internet technologies, database design, and collaborative system development. In addition to core courses, students take specialty courses for their selected track.

All Students are required to take the NOCTI exam in the Capstone class.

Students must also make a C or better in technology courses to count towards the degree.

Contact Person:

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CIT Program Coordinator
(270) 831-9678
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ABOUT HCC…

In the fall of 1960, the Northwest Extension of the University of Kentucky opened its doors for the first time to 256 Henderson, Union, and Webster County residents.
In 1964, the Northwest Extension became Henderson Community College (HCC), a charter member of the University of Kentucky Community College System.
Henderson Community College became a member of the Kentucky Community and Technical College System (KCTCS) in 1998.

Henderson Community College is accredited by the Commission on Colleges of the Southern Association of College and Schools, 1866 Southern Lane, Decatur, Georgia 30003, or call (404) 679-4501, for questions about the accreditation of Henderson Community College.

Revised 06/2014
Subject to change.

HCC is an equal opportunity employer and education institution.

Member of Kentucky Community and Technical College System and American Association of Community Colleges.

Henderson
Community College
HIGHER EDUCATION BEGINS HERE

COMPUTER & INFORMATION TECHNOLOGY

Programming

2660 South Green Street
Henderson, Ky 42420
(270) 831-9768 or
(800) 696-9958

henderson.kctcs.edu

Kentucky Community & Technical College System

PROGRAMMING

The **Programming track** prepares students to design, develop, and maintain computer programs written in current and emerging programming languages. With tracks in Information Systems and Software Development, students successfully completing this track are prepared for entry-level positions in computer programming.

Information Systems **-** This track is designed with an emphasis on programming for a business environment. Students completing the Information Systems track study basic business concepts, one programming language at an advanced level, and two programming languages at an introductory level.

Software Development **-** This track emphasizes computer software development. Students completing the Software Development track study a minimum of two computer programming languages at an advanced level and additional programming language(s) at an introductory level. Flexibility within this track allows students to focus on a specific area of software development by means of the programming languages they choose to study (object-oriented programming, database programming, game development, etc.).

The Associate in Applied Science Degree in Computer & Information Technology Programming Option with Tracks are awarded to students who complete a minimum of 65 credit hours, including the specified requirements. Grades in the Degree must be a 2.0 or higher.

Academic Success Requirements

	Credit Hrs.
ENC 090 - Foundations of College Writing I	3*
ENC 091 - Foundations of College Writing II	3*
MAT 055 - Pre-Algebra	3*
MAT 065 - Basic Algebra with Measurements	3*
RDG 010 - Introduction to College Reading	3*
RDG 020 - Improved College Reading	3*
RDG 030 - Reading for the College Classroom	3*

* *Courses numbering 001-099 and MAT 108 and MAT 120 do not count toward the determination of grade point average or as credit toward graduation.*

* *MAT 85 or MAT 120 or MAT 126 must be taken before MAT 150*

General Education Requirements

ENG 101 - Writing I	3
MAT 126 -Technical Algebra and Trig or higher	3
Social/Behavioral Science Course	3
Heritage/Humanities Course	3
Natural Sciences Course	3
Subtotal General Education Requirements	**15**

Computer & Information Technology Technical Core

CIT 105 - Introduction to Computing	3
CIT 111 - Computer Hardware & Software	4
CIT 120 - Computational Thinking	3
CIT 150 or CIT 155 or CIT 157	3
CIT 170 - Database Design Fundamentals	3
CIT 180 - Security Fundamentals	3
Level I Networking Course	4
Approved Level I Programming Language Course	3
CIT Capstone	3
Subtotal Technical Core	**29**

Programming Option

	Credit Hrs.
CIT 130 - Productivity Software	3
Approved CIT Technical Course	6
Programming Track Specialization Sequence	15
Subtotal Programming Option & Track Requirements	**24**
Total Credit Hours	**68**

* *A course used to fulfill one requirement cannot be used to fulfill another requirement*

Information Systems Track Course Sequence

CIT 171 - SQL I	3*
Approved Level II Programming Language	3
Approved Level I, II, OR III Programming Language	3
Approved Programming Management Course	3
Approved Programming Business Course	3
Total Credit Hours	**15**

Software Development Track Course Sequence

Approved Level I Programming Language	3
Approved Level II Programming Language	3
Approved Level II Programming Language	3
Approve Level I, II OR III Programming Language	3
CIT 253 - Data-Driven Web Pages: Topic	3
Total Credit Hours	**15**