

# COMPUTER & INFORMATION TECHNOLOGY



## Computer & Information Technology

The Hazard Community and Technical College (HCTC) Computer & Information Technology (CIT) program is designed to prepare you for employment in a wide area of technology-related fields. We offer an Associate in Applied Science (AAS) degree with four (4) tracks (areas of specialization), along with several certificates.

The majority of the CIT courses are offered online allowing students to complete their degree from home. This option is advantageous to students who work or are unable to travel. Courses can be spread across the curriculum to allow you to begin taking CIT courses while fulfilling general education requirements. If you test into developmental courses, it is highly recommended that you finish developmental coursework prior to starting the program.

## Job Outlook

Southeast Kentucky has particular workforce needs in which computers and information technologies careers play a key role. There is a demand for computer professionals on the state, national, and international level. The demand for computer-related jobs in Kentucky is expected to grow very fast through 2018.

#GO2HCTC

One Community College Drive | Hazard, KY 41701 | (606) 436-5721 | [hazard.kctcs.edu](http://hazard.kctcs.edu)



*KCTCS is an equal educational and employment opportunity institution.*

KENTUCKY COMMUNITY AND TECHNICAL COLLEGE SYSTEM

# COMPUTER & INFORMATION TECHNOLOGY

## ASSOCIATE IN APPLIED SCIENCE DEGREE REQUIREMENTS

1. Complete general education components. (15 credit hours minimum)
2. Complete the CIT Core Courses. (29 hours)
3. Complete a CIT Track: Information Security, Internet Technologies, Network Administration, or Programming.
4. Complete 64-68 credit hours.
5. Verify residency requirements – at least 25% of the approved curriculum credits (16-17 credit hours) must be completed at the institution granting the degree (degree total 64–68 credit hours).

General Education (15 credit hours)	Credits
ENG 101 Writing I.....	3
MAT 126 Technical Algebra and Trigonometry or higher .....	3
Natural Sciences.....	3
Social/Behavioral Sciences.....	3
Heritage/Humanities.....	3

CIT Core (29 credit hours)	Credits
CIT 105 Introduction to Computers .....	3
CIT 111 Computer Hardware and Software.....	4
CIT 120 Computational Thinking.....	3
CIT 150 Internet Technologies .....	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 291 CIT Capstone .....	3

## CIT Tracks

	Credits
Information Security .....	68
Internet Technologies .....	68
Network Administration .....	64-68
Programming .....	68

Completion of these general education and technical core course requirements, along with one of the following tracks will qualify students for an AAS Computers & Information Technologies degree!

## CERTIFICATES

A+ .....	4
CIT Fundamentals .....	26
CISCO Networking Associate.....	16
CISCO Networking, Enhanced .....	24-25
Computer Technician .....	14
Computer Tech Basic .....	11
Computer Support Technician .....	16
Information Security Specialist .....	18
Microsoft Enterprise Administrator.....	22
Microsoft Network Administrator .....	19
Net+.....	4
Productivity Software Specialist .....	12
Programming .....	12
Security+ .....	3
Web Programming.....	24
Web Administration.....	27

## Contact Information:

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Community & Technical College  
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