

# Southern West Virginia 2022-2023 Southern Academic Catalog Community Technical College

## Information Technology, A.A.S.

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### Purpose

The Information Technology Program was developed in response to state and national needs for highly qualified IT professionals who can fill the workforce gap. The program provides a flexible curriculum that can adapt quickly to provide the ultimate in technical training. It is designed as non-transfer for career oriented students who seek advanced positions in the IT industry workforce after completion of the program. The focus electives will be customized to student career path and current business and industry demands.

The full Information Technology Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/McDowell campuses offer the general education/program support courses only.

Program Level Outcomes:

1. Discuss and evaluate potential technology related ethical dilemmas and apply decision-making techniques to resolve them.
2. Demonstrate proficiency in selecting, implementing, and operating information technology solutions to meet project requirements.
3. Apply essential IT support skills in order to install, configure, secure, and troubleshoot operating systems, programs, networks, and pc hardware.
4. Prepared to take and pass industry standard certification exams.
5. Develop the ability to use oral and written communication effectively with clients and other industry professionals.
6. Engage in teams to develop and/or implement IT-based project solutions.

### First Semester

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- [BU 115 - Business Mathematical Applications](#) 3 Credit Hours
- or
- [MT 121 - ~College Mathematics for General Education](#) 3 Credit Hours or higher
  
- [EN 101 - ~English Composition I](#) 3 Credit Hours
- [IT 104 - Using Internet Technology for Research and Productivity](#) 3 Credit Hours
- [IT 180 - PC Maintenance](#) 3 Credit Hours
- [IT 182 - A+ Lab](#) 2 Credit Hours
- [OR 105 - Orientation to Technical Programs](#) 1 Credit Hours (E)

**Credit Hours: 15**

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### Second Semester

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- IT Restricted Elective 3 Credit Hours
- [IT 102 - Cyber Law, Ethics, and Culture](#) 3 Credit Hours

- [IT 114 - Operating System and Networking Fundamentals](#) 1 TO 3 Credit Hours
- [IT 181 - Advanced PC Maintenance](#) 3 Credit Hours (E)
- [SP 103 - ~Speech Fundamentals](#) 3 Credit Hours

**Credit Hours: 15**

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## Third Semester

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- IT Restricted Electives 6 Credit Hours
- [IT 183 - Network +](#) 4 Credit Hours (E)
- <sup>1</sup>Laboratory Science Elective 4 Credit Hours

**Credit Hours: 14**

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## Fourth Semester

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- [BU 205 - Communications in Business](#) 3 Credit Hours
- or
- [EN 115 - Technical Writing I](#) 3 Credit Hours
- or
- [EP 101 - Introduction to Entrepreneurship](#) 3 Credit Hours
- IT Restricted Electives 6 Credit Hours
- [IT 190 - Introduction to Programming in Visual C++](#) 1 TO 5 Credit Hours
- or
- [IT 192 - Introduction to Programming in Visual Basic](#) 3 Credit Hours
- [IT 274 - Capstone](#) 1 Credit Hours
- [PY 201 - ~General Psychology](#) 3 Credit Hours
- or
- [SO 200 - ~Introduction to Sociology \(M\)](#) 3 Credit Hours
- or
- [SO 215 - ~Human Relations](#) 3 Credit Hours

**Credit Hours: 16**

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## Total Credit Hours: 60

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~ Designates courses on the statewide Core Coursework Transfer Agreement.

^ Denotes course equivalency.

<sup>1</sup>Choose from: ^[BS 101](#), ~[BS 102](#), [BS 118](#), ^[BS 124](#), ^[BS 125](#), [BS 199](#), [BS 216](#), ~[CH 203](#), ^[CH 213](#), [CH 223](#) w/[CH 224](#), [CH 225](#) w/[CH 226](#), ~[PH 200](#), ~[PH 210](#), ~[PH 212](#), ~[SC 109](#), or ~[SC 110](#).

IT Restricted Electives (15 hours): Student must complete a series of restricted electives. Courses offered to fulfill the electives will be structured around current business and industry demands. Courses are limited to Information Technology

courses not already required by the program or [CS 102](#) and other related courses as approved by the Dean, Division of Professional and Technical Studies.

This degree program provides students the opportunity to receive credit for their high school EDGE courses (<http://careertech.k12.wv.us/edge/edgeCollege.html>) as designated by the (E) within the program sequence.

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