

Student ID: _____
Student Name: _____
Adviser Name: _____

Catalog: 2015-2016 Catalog
Program: Computer Technology, A.A.S.
Minimum Credits Required: _____

Computer Technology, A.A.S.

Associate of Applied Science (A.A.S.)

Contact Information: Program Office: 615-353-3475, computer.tech@nscc.edu, Program Site

The goal of the Computer Technology (CPT) program is to prepare individuals to function as entry-level computer technicians. Students become proficient in operating systems, installation and maintenance of a variety of computers, and various hardware and networking components. This degree's objectives parallel and exceed numerous industry-level certifications including A+ certification and security certifications.

The program emphasizes hardware, software, peripheral devices, telecommunications, operating systems, and troubleshooting. Individual and team-based projects enhance the learning experience and give students vital hands-on job skills.

Computer Technology program graduates should be able to:

- Install and configure workstation systems and application software;
- Troubleshoot, analyze and repair hardware and software issues;
- Select and install appropriate hardware and software;
- Perform routine upgrade, repair and preventive maintenance on computer system hardware and software;
- Use various operating environments including Windows command line and GUI, and UNIX/Linux;
- Establish and maintain a user support/helpdesk environment;
- Communicate technical and non-technical information clearly in both written and oral format;
- Use security tools and applications to secure organizations data and infrastructure;
- Integrate concepts taught in general education courses and reinforced in the Computer Technology curriculum; and
- Function competently in entry-level computer technician positions using critical thinking skills to solve systems' challenges.

Career Opportunities

- Service technician - configures hardware, software and installs, upgrades and maintains computers and related peripheral equipment
- User support/helpdesk - manages customer problems and requests and provides solutions-oriented support services by telephone, e-mail and/or in person
- Technical sales - analyzes client needs and provides support in choosing the correct information systems solutions for business or personal use

Transfer/Advising

The A.A.S. degree is designed to prepare a student for employment upon graduation. Some universities, at their discretion, accept some technical courses for transfer. A student who plans to transfer to a university should consult his/her advisor and the receiving university about transfer and articulation policies. Failure to do so could result in loss of transfer credits.

Course Requirements

English

Course Name	Credits	Term Taken	Grade	Gen Ed
ENGL 1010 - English Composition I*	3 Credits			

Speech (choose one)

Course Name	Credits	Term Taken	Grade	Gen Ed
SPCH 1010 - Fundamentals of Speech Comm*	3 Credits			
OR				
SPCH 1112 - Speech*	3 Credits			

Humanities

- Humanities Elective 3 Credits

Mathematics

Course Name	Credits	Term Taken	Grade	Gen Ed
MATH 1630 - Finite Mathematics*	3 Credits			

Social Sciences

- Social Sciences Elective 3 Credits

Core Courses

Course Name	Credits	Term Taken	Grade	Gen Ed
CPT 1010 - User Support/Help Desk	3 Credits			
CPT 1430 - Data Storage	3 Credits			
CPT 1510 - A+ IT Essentials	3 Credits			
CPT 1530 - Mobile Computing	3 Credits			
CPT 2425 - UNIX/Linux	4 Credits			
CPT 2430 - Systems Troubleshooting	4 Credits			
CPT 2480 - Tactical Perimeter Defense	3 Credits			
CPT 2530 - Computer Forensics	3 Credits			
CNT 1170 - Microsoft Professional OS	3 Credits			
CNT 2350 - Install/Config Windows Server	4 Credits			
CIS 1060 - Project Management	3 Credits			
CPT 2540 - CPT Capstone	2 Credits			

Technical Elective

- Technical Elective 7 Credits

Total Required – Associate's Degree: 60 Credits

Approved Technical Electives

Course Name	Credits	Term Taken	Grade	Gen Ed
CNT 2450 - Network Security	4 Credits			
CPT 2490 - Infrastructure Security	3 Credits			
CPT 29XX - Cooperative Education				
HCM 2000 - Healthcare Delivery Systems	3 Credits			
HCM 2200 - Medical Legal Issues	3 Credits			

Recommended Full-Time Day Schedule

First Year

Fall Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
MATH 1630 - Finite Mathematics*	3 Credits			
CPT 1010 - User Support/Help Desk	3 Credits			
CPT 1510 - A+ IT Essentials	3 Credits			
CNT 1170 - Microsoft Professional OS	3 Credits			

Spring Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
ENGL 1010 - English Composition I*	3 Credits			
CPT 1530 - Mobile Computing	3 Credits			
CNT 2350 - Install/Config Windows Server	4 Credits			
Technical Elective 4 Credits				

Second Year

Fall Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CPT 2425 - UNIX/Linux	4 Credits			
CPT 1430 - Data Storage	3 Credits			

CPT 2480 - Tactical Perimeter Defense	3 Credits			
Humanities Elective 3 Credits				

Speech (choose one)

Course Name	Credits	Term Taken	Grade	Gen Ed
SPCH 1010 - Fundamentals of Speech Comm*	3 Credits			
OR				
SPCH 1112 - Speech*	3 Credits			

Spring Semester

Course Name	Credits	Term Taken	Grade	Gen Ed
CPT 2430 - Systems Troubleshooting	4 Credits			
CPT 2530 - Computer Forensics	3 Credits			
CPT 2540 - CPT Capstone	2 Credits			
CIS 1060 - Project Management	3 Credits			
Social Sciences Elective 3 Credits				
Technical Elective 3 Credits				

Notes:

Additional course requirements: The Tennessee Board of Regents requires that students either demonstrate the appropriate skill levels in math, reading, and /or writing before enrolling in college-level courses or enroll in appropriate co-requisite experiences with college-level courses to develop competency in those skills while performing college-level work. ACT/SAT scores, COMPASS test scores, or other relevant information determine whether a student needs to enroll in co-requisite courses in math, reading, and/or writing (English).

Cooperative work experience can be an important addition to a student's formal classroom work. Co-op courses may substitute for technical courses with the prior approval of the instructor. The Career Services Office will provide the correct course numbers.

* This course is part of the general education core.

Notes: