

Computer Technology

Associate in Applied Science – 61 credit hours

Purpose: This two year Associate in Applied Science in Computer Technology is designed to provide students with a broad based education in all aspects of the computer field. Students gain extensive experience and knowledge in computer operation, diagnosis, repair, networking and programming. The program prepares students for a variety of industry certifications. Graduates will be able to diagnose system hardware or software failures and perform remedial actions necessary to correct problems. The program provides a solid foundation in hardware installation and diagnostics complemented by extensive knowledge of modern networking techniques.

Career Opportunities: Graduates of the program will be prepared for a variety of positions in computer repair, troubleshooting, and computer networking.

Program Educational Outcomes: Upon completion of the Associate in Applied Science Degree in the Computer Technology Program, the graduate is prepared to:

1. Describe and apply trouble-shooting techniques and strategies to solve a wide range of computer hardware, software and networking problems.
2. Analyze and communicate essential industry concepts in both technical and non-technical terms.
3. Create technical reports and documentation through researching and interpreting a variety of industry sources.
4. Operate both independently and as a team member on information technology projects.
5. Describe and explain ethical issues in technology and the applicable industry standards and codes of conduct.
6. Recognize the value of diversity in opinions, values, abilities and cultures of colleagues and customers in a professional environment.
7. Research and explain how culture, economics, history, and politics affect technology trends.
8. Identify and analyze system, network and security requirements.
9. Apply problem-solving concepts and quantitative analysis to the study of a wide variety of technology problems.

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Course #	Course Title	Credits
Semester 1		
CTT100	Microcomputer Hardware I	3
CTT110	Microcomputer Operating Systems & Applications	3
CTT140	Introduction to Computer Networking	3
ENG101	College Composition	3
FYE100	First Year Experience	1
MAT127	College Algebra	3
	Total	16
Semester 2		
CTT130	Introduction to Computer Programming	3
CTT150	Microcomputer Hardware II	3
CTT155	Advanced Computer Networking	3
CTTXXX	Computer Elective	3
Elective	Humanities Elective	3
	Total	15
Semester 3		
CTT120	Database Structure and Development	3
CTT245	Computer Network Installation/Configuration	3

Elective	Social Science Elective	3
ENG210	Technical Writing	3
MAT115	Statistics	3
	Total	15
Semester 4		
CTT250	Microsoft Certification Preparation	3
CTT255	Server Operating Systems	3
CTT260	Computer Capstone Project	3
Elective	Humanities/Social Science	3
General Elective	General Elective	3
	Total	15

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