

Student Name: _____

Computer & Information Technologies: A+ Prep (4 Total Credit Hrs)

Maysville Community & Technical College

Open Admissions
Certificate

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Academic Plan Code: 1101017089

Academic Sub Code: 1101013529

Academic Program Code: ENTC

Certificate Requirements (4 Credit Hours)		Credit Hours	Semester Taken
CIT 111	Computer Hardware and Software	4	
Total		4	

A+ Certification Information

The **A+ Certificate** offers students the opportunity to earn a credential demonstrating basic competency in the area of computer hardware and software. The certificate consists of one course that prepares students for the CompTIA A+ certification exams which are recognized by the computer industry around the world. It gives those who are unable, or do not need, to complete a degree a way of demonstrating their level of proficiency.

Upon completion of this Certificate program, the graduate can:

1. Identify and explain motherboard components.
2. Identify, install, configure, and upgrade personal computer components.
3. Perform device driver installation, scheduled maintenance, and memory and firmware updates.
4. Identify common tools, basic diagnostic procedures, troubleshooting techniques, and preventive maintenance methods.
5. Explain and apply the troubleshooting process to diagnose and repair common hardware and software problems.
6. Demonstrate an understanding of conversion between binary, decimal, hexadecimal number systems.
7. Compare and contrast client operating systems and their features.
8. Use multiple user interfaces, including command-line, to perform operating system management tasks; to configure, optimize, and upgrade the current client operating systems; and to diagnose network connection issues.
9. Use and manage file systems, operating system utilities, backup programs, and optimization tools.
10. Describe the process to install, configure, secure, and troubleshoot a basic small or home office network
11. Identify the fundamental principles of networking and security.
12. Describe and apply appropriate operational procedures including safety, environmental procedures, good communication skills, and professional behavior.

Notes:

1. It is the responsibility of the student to notify their Advisor of changes they have made to their class schedule. Failure to do so could result in a delayed graduation date or ineligibility for graduation. (*Examples: Online registration, drop/add, or change of class sequence.*)
2. **MAT 85 AND CIT 105 must be completed before enrolling into CIT 111; OR Consent of Instructor.**
3. Certificates may also be completed prior to or while earning an AAS degree. (Refer to MCTC's CIT Program Website) .
4. Students may only use a course with a grade of "C" or higher to fulfill a core or track graduation requirement or a certificate requirement.
3. Required minimum ACT, TABE, KYOTE or COMPASS placement scores for general education courses are listed below.

	Math	Reading	Writing
ACT	19	20	18
COMPASS	ALG 25	85	74
KYOTE	CA 14 or higher	N/A	N/A
TABE	N/A	12.2-12.9	12.8.12.9

Total Credit Hours: 4