Student Name:

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

Maysville Community & Technical College

Open Admissions Certificate

Terry Pasley, Program Coordinator

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Academic Plan Code: 1101013389 Academic Program Code: ENTC

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

A+ Certificate 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.
- Identify, install, configure, and upgrade personal computer components.
- Perform device driver installation, scheduled maintenance, and memory and firmware updates.
- 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.
- 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.
- Use and manage file systems, operating system utilities, backup programs, and optimization tools.
- 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.

Total Credit Hours: 4

Notes:

- 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. (<u>Examples</u>: Online registration, drop/add, or change of class sequence.)
- MAT 85 AND CIT 105 must be completed before enrolling into CIT 111; OR Consent of Instructor.
- Certificates may also be completed prior to or while earning an AAS degree. (Refer to MCTC's CIT Program Website).
- 4. In order to graduate and obtain a Certificate, a student must earn a minimum grade of "C" in ALL courses required by the Certificate.
- Required minimum ACT or COMPASS placement scores are listed below:

	Math	Reading	Writing
COMPASS	42	80	64
	(Pre-Algebra)		

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