

Student Name: _____

Computer & Information Technologies: CIT Fundamentals (23 Total Credit Hrs)

Maysville Community & Technical College

Open Admissions

Certificate

Sharon Staviski, Program Coordinator

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Academic Plan Code: 1101017089

Academic Sub Code: 1101013309

Academic Program Code: ENTC

Certificate Requirements (26 Credit Hours)		Credit Hours	Semester Taken
CIT 105	Intro to Computers	3	
CIT 111	Computer Hardware and Software	4	
CIT 120	Computational Thinking	3	
CIT 170	Database Design Fundamentals	3	
CIT 180	Security Fundamentals	3	
	Approved Level I Networking Course	4	
	Approved Level I Programming Language	3	
Total		23	

Approved Level I Networking Courses (Choose <u>1</u> Course)		Credit Hours	Semester Taken
CIT 160	Intro to Networking Concepts	4	
CIT 161	Introduction to Networks	4	

Approved Level I Programming Language Courses (Choose <u>1</u> Course)		Credit Hours	Semester Taken
CIT 140	JavaScript I	3	
CIT 141	PHP I	3	
CIT 142	C++ I	3	
CIT 143	C# I	3	
CIT 144	Python I	3	
CIT 145	Perl I	3	
CIT 147	Programming I: Language	3	
CIT 148	Visual Basic I	3	
CIT 149	Java I	3	
CIT 171	SQL I	3	
	University Level I programming language as approved by Program Coordinator	3-4	

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. **CIT 105 AND a Level I Networking Course (CIT 160 or 161) must be completed before enrolling into CIT 180; 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.
5. 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

CIT Fundamentals Certification Information

The **CIT Fundamentals Certificate** offers students the opportunity to earn a credential demonstrating basic competency in the area of computers. The certificate consists of a natural progression of classes that are required for the Associate in Applied Science degree in Computer & Information Technologies. It gives those who are unable, or do not need, to complete a degree a way of demonstrating their level of computer proficiency.

Upon completion of this Certificate program, the graduate can:

1. Use computer terminology .
2. Explore computer hardware and software .
3. Employ basic diagnostic tools to identify and solve hardware and software problems in multiple operating systems .
4. Use logic and design methods to understand computational thinking.
5. Explore database fundamentals.
6. Manage and use network applications.
7. Describe communication protocols for computer networks.
8. Implement basic computer system security measures.
9. Use a programming language to design and run basic level programs.

Total Credit Hours: 23