

Student Name: \_\_\_\_\_

**Computer & Information Technologies: Programming (12 Total Credit Hrs)**

Maysville Community & Technical College

Open Admissions

Certificate

Sharon Staviski, Program Coordinator

Phone: (606)-783-1538 ext. 66318

Office: 206E Rowan Campus

Email: Sharon.staviski@kctcs.edu

Academic Plan Code: 1101017089

Academic Sub Code: 1101013429

Academic Program Code: ENTC

Certificate Requirements (12 Credit Hours)		Credit Hours	Semester Taken
CIT 120	Computational Thinking	3	
	Approved Level I Programming Language	3	
	Approved Level II Programming Language	3	
	Approved Level I, II, or III Programming Language	3	
<b>Total</b>		<b>12</b>	

**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 must be completed before enrolling into CIT 120; OR Consent of Instructor.**
3. **MAT 126 is suggested as an approved Quantitative Reasoning course, which (in combination with CIT 105 Computer Literacy) must be completed before enrolling into CIT 170; OR Consent of Instructor .**
4. Certificates may also be completed prior to or while earning an AAS degree. (Refer to MCTC's CIT Program Website) .
5. 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.

**Programming Certification Information**

The **Programming Certificate** offers students the opportunity to earn a credential demonstrating programming competencies. This certificate consists of the core skills that students need to effectively develop programs using multiple computer languages. In addition, this certificate will provide a way for professionals currently in the industry to update their programming skills and for new students to show progress in the CIT program.

Upon completion of this Certificate program, the graduate can:

1. Demonstrate proficiency in problem solving and critical thinking skills in programming.
2. Demonstrate proficiency in programming.

	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: 12**

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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	

Approved Level III Programming Language Courses (May Choose <u>1</u> Course, if desired)		Credit Hours	Semester Taken
CIT 276	3D Game Development: Language	3	
CIT 277	Programming III: Language	3	
CIT 278	Visual Basic III	3	
	University Level III programming language as approved by program coordinator	3-4	

Approved Level II Programming Language Courses (Choose <u>1 OR 2</u> Courses)		Credit Hours	Semester Taken
CIT 241	PHP II	3	
CIT 242	C++ II	3	
CIT 243	C# II	3	
CIT 244	Python II	3	
CIT 246	2D Game Development: Language	3	
CIT 247	Programming II: Language	3	
CIT 248	Visual Basic II	3	
CIT 249	Java II	3	
CIT 271	SQL II (Required)	3	
	University Level II programming language as approved by program coordinator	3-4	