

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

**Computer & Information Technologies:  
Internet Technologies Track (60 Total Credit Hrs)**

Maysville Community & Technical College

Open Admissions

Associate in Applied Science (AAS) Degree

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: 110101710

Academic Program Code: ENTC

General Education (15 credit hours)		Credit Hours	Semester Taken
ENG 101	Writing I	3	
MAT 126	Technical Algebra and Trigonometry (or higher)	3	
<b>* Choose (1) Course from the General Education Area</b>			
	*Natural Sciences Course	3	
	*Heritage / Humanities Course	3	
	*Social / Behavioral Sciences Course	3	
<b>Subtotal</b>		<b>15</b>	

Core Requirements		Credit Hours	Semester Taken
CIT 105	Introduction 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 Course	3	
CIT 293	CIT Employability Studies	1	
<b>Subtotal</b>		<b>24</b>	

Approved Level I Programming Language Courses (Choose (1) Course)		Credit Hours	Semester Taken
CIT 140	JavaScript I	3	
CIT 141	PHP I	3	
CIT 142	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:**

- 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.*)
- Students that are currently taking Developmental Math Courses should work towards completing MAT 126 as soon as possible.
  - MAT 65 must be completed before enrolling into a Level I Networking course; OR Consent of Instructor.
  - MAT 85 must be completed before enrolling into CIT 111 and/or CIT 120; OR Consent of Instructor.
  - MAT 126 is suggested as an approved Quantitative Reasoning course, which must be completed before enrolling into CIT 170; OR Consent of Instructor.
- Certificates may also be completed prior to or while earning an AAS degree. (Refer to MCTC's CIT Program Website).
- AAS Degrees can be transferable to Four-Year Institutions that offer a Baccalaureate Degree. Students should consult their Advisor or Program Coordinator regarding Transfer Agreements.
- Students may only use a course with a grade of "C" or higher to fulfill a core or track graduation requirement.
- In order to obtain an AAS Degree, students are required to maintain a minimum cumulative GPA of 2.0.
- Required minimum ACT, TABE, KYOTE or COMPASS placement scores for general education courses are listed below.

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

Internet Technologies Track (21 Credit Hours)		Credit Hours	Semester Taken
CIT 150	Internet Technologies OR	3	
CIT 155	Web Page Development	(3)	
CIT 157	Web Site Design and Production	3	
<b>**Choose (1) of the two courses</b>			
CIT 257	Applied Internet Technologies	3	
CIT 258	Internet Technologies Seminar	3	
Completion of Internet Technologies Specialization Sequence <b>** (Choose (1) Sequence)</b>		12	
<b>Track Subtotal</b>		<b>21</b>	

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INTERNET TECHNOLOGIES SPECIALIAZION SEQUENCES			
<b>**Choose (1) Sequence</b>			

Web Programming Specialization Sequence (12 Credit Hours)		Credit Hours	Semester Taken
CIT 171	SQL 1	3	
<b>Approved CIT Technical Course</b>		3	
<b>Approved Level I Web Programming Language (Choose (1) Course)</b>			
CIT 141	PHP I OR	3	
CIT 148	Visual Basic I OR	(3)	
CIT 149	Java I	(3)	
<b>Approved Level II Web Programming Language (Choose (1) Course)</b>			
CIT 241	PHP II OR	3	
CIT 248	Visual Basic II OR	(3)	
CIT 249	Java II	(3)	
<b>SubTotal</b>		<b>12</b>	

**\*\*Technical Course Notes:**

- May choose any CIT Course(s), (EXCEPT CIT 103), or other courses approved by Computer & Information Technologies Program Coordinator.
- Students may choose CIT 290 or COE 199 for a maximum of 3 credit hours.
- Students may NOT use one course to fulfill multiple requirements

Web Administration Specialization Sequence (12 Credit Hours)		Credit Hours	Semester Taken
CIT 219	Internet Protocols	3	
CIT 255	Web Server Administration	3	
<b>Choose (2) Courses from one of the following groupings:</b>			
<b>Microsoft Windows Group A</b>			
CIT 214	MS Server Configuration	3	
CIT 215	MS Server Administration	3	
<b>Microsoft Windows Group B</b>			
CIT 214	MS Server Configuration	3	
CIT 216	MS Server Advanced Services	3	
<b>UNIX/Linux Group</b>			
CIT 217	UNIX/Linux Net Infrastructure	3	
CIT 218	UNIX/Linux Net Infrastructure	3	

**Program Description**

The **Computer Information Technology (CIT)** program includes tracks in Applications, Information Security, Internet Technologies, Network Administration, Network Technologies, and Programming, with a core of courses common to all. The core includes a general education component essential to a collegiate education and a technical component giving students an introduction to information systems, computer applications, program development, system maintenance, networking, security, Internet technologies, database design, and collaborative system development. In addition to core courses, students take specialty courses for their selected track.

The **Internet Technologies Track** prepares students to design, program, and maintain Internet-based services. With specializations in web programming and web server administration, this track will help prepare students for positions developing and maintaining interactive web sites.

**Upon completion of this program, the graduate can:**

1. Use HTML and CSS in page layout.
2. Utilize principles of graphic and content creation for online media.
3. Design and develop integrated web database applications such as inventory, billing, and shipping.
4. **Web Programming:**
  - a. Design and develop programs using primitive data types in a web programming language.
  - b. Create interactive web pages utilizing client side and server side scripting.
5. **Web Administration:**
  - a. Install and configure and maintain a web server .
  - b. Use knowledge of Internet protocols to support and troubleshoot Internet services

**Total Credit Hours: 60**