Student Name: _____

Computer & Information Technologies: Network Technologies Specialist

(22 - 24 Total Credit Hrs)

Maysville Community & Technical College — Open Admissions Certificate

Terry Pasley, Program Coordinator

Phone: (606)-759-7141 ext. 66153 **Office:** A-300 Maysville Campus Admin. Building **Email:** terry.pasley@kctcs.edu

Academic Plan Code: 1101013369 **Academic Program Code:** ENTC

Certificate Requirements *(22 - 24 Credit Hours)*		Credit Hours	Semester Taken
CIT 219	Internet Protocols	3	
CIT 288	Network Security	3	
	Approved Level I and Level II Network Technology Course Sequence *(Choose (1) Sequence)*	12	
	Approved Level I, Level II, or Level III Network Technologies Specialization Sequence	4 - 6	
	Total	**22 - 24**	

APPROVED (LEVEL I AND II) NETWORK TECHNOLOGIES SEQUENCES

****Choose (1) Sequence for both Level I and Level II**

Microsoft Windows Course Sequence *(12 Credit Hours)*		Credit Hours	Semester Taken
Sequence I			
CIT 213	MS Client/Server Config	3	
CIT 261	MS Active Directory Services	3	
CIT 262	MS Network Infrastructure	3	
Sequence II *(Choose (1) Course)*			
CIT 265	MS Application Servers	3	
CIT 264	MS Server Admin	3	
CIT 266	MS Enterprise Administration	3	
	Sequence I and II Subtotal	**12**	

UNIX/Linux Course Sequence *(12 Credit Hours)*		Credit Hours	Semester Taken
Sequence I			
CIT 217	UNIX/Linux Administration	3	
CIT 218	UNIX/Linux Net Infrastructure	3	
Sequence II *(Choose (2) Courses)*			
CIT 286	UNIX/Linux OS Security	3	
CIT 255	Web Server Administration	3	
CIT 145	Perl I	3	
	Sequence I and II Subtotal	**12**	

Cisco Course Sequence *(12 Credit Hours)*		Credit Hours	Semester Taken
Sequence I			
CIT 210	Routing Protocols and Concepts	4	
Sequence II			
CIT 211	LAN Switching and Wireless	4	
CIT 212	Accessing the WAN	4	
	Sequence I and II Subtotal	**12**	

Notes:

1. **CIT 111 AND CIT 160, or 161, or 162 must be completed before beginning *Microsoft Windows Course* Sequence (CIT 213); OR Consent of Instructor.**
2. **CIT 111 AND CIT 160 must be completed before beginning *Unix/Linux Course* Sequence (CIT 217); OR Consent of Instructor.**
3. **CIT 161 must be completed before beginning *Cisco Course* Sequence (CIT 210); OR Consent of Instructor.**
4. **CIT 180 must be completed before completing CIT 182 (*Security Sequence I*); OR Consent of Instructor.**
5. **CIT 150, CIT 219 AND (CIT 213 AND CIT 261) OR (CIT 217 AND CIT 218) must be completed before beginning the *Internet Servers Administration Course* Sequence (CIT 255).**
6. Certificates may also be completed prior to or while earning an AAS degree. (Refer to MCTC's CIT Program Website).
7. In order to graduate and obtain a Certificate, a student must earn a minimum grade of "C" in ALL courses required by the Certificate.
8. Required minimum ACT or COMPASS placement scores are listed below:

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

Security Sequence I *(Choose (2) Courses)*		Credit Hours	Semester Taken
CIT 182	Perimeter Defense and Countermeasures	3	
CIT 184	Attacks and Exploits	3	
CIT 284	Computer Forensics	3	
CIT 285	Windows OS Security	3	
CIT 286	UNIX/Linux OS Security	3	

Choose (4 - 6) Credit Hours from ANY Level I, II Course Sequence (Including Security Sequence I)

-OR-

Complete Internet Servers Admiration Course Sequence

Internet Servers Administration Course Sequence *(6 Credit Hours)*		Credit Hours	Semester Taken
CIT 255	Web Server Administration	3	
CIT 265	MS Applications Servers	3	
	Sequence Subtotal	**6**	

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Network Technologies Specialist Certificate Information

The Network Technologies Specialist Certificate offers students the opportunity to earn a credential demonstrating network technology competencies. This certificate consists of specialized networking classes that students need to effectively configure and maintain networks using network technologies specialist skills. In addition, this certificate will provide a way for professionals currently in the industry to update their network technologies specialist skills.

Upon completion of this Certificate program, the graduate can:

1. Describe communication protocols for computer networks.
2. Use a platform-specific network operating system to create and manage user accounts.
3. Use a platform-specific network operating system to share and secure resources.
4. Use a platform-specific network operating system to establish and maintain Internet connections.
5. Implement and implement advanced network security measures.

Total Credit Hours: 22 - 24

Additional Notes:

9. 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.)*
10. **MAT 85 must be completed before enrolling into CIT 111; OR Consent of Instructor.**
11. **MAT 65 must be completed before enrolling into a Level I Networking course (CIT 160, 161, and 162); OR Consent of Instructor.**