

Program Coordinator: Don Halcomb
E-mail: don.halcomb@kctcs.edu
Phone: 859-246-6289
Mike Hardin
E-mail: mike.hardin@kctcs.edu
Phone: 859-246-6619
Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx>
Student Name:
Student ID:
Students need to be at KCTCS placement levels for all courses

Pre-Admission Requirements (if applicable)				
Summer Term	Credits	Term	Grade	Prereqs/Notes
CIT 105 – Introduction to Computers	3			See note below about Special Exam for Credit. Well qualified students (as determined by CIT faculty only) may be given permission to take CIT 105 along with CIT 111 and/or CIT 161. Please send student to a CIT faculty member to discuss this.
Total Semester Credit Hours	3			

First Semester	Credits	Term	Grade	Prereqs/Notes
*CIT 111 – Computer Hardware and Software	4			Prereq: CIT 105 AND (MAT 65 OR MAT 75)
CIT 160 - Introduction to Networking Concepts OR *CIT 161 - Introduction to Networks (CIT 161 is strongly recommended for the Network Technologies Track)	4			Prerequisite or Co-requisite: CIT 111 OR Consent of Instructor
ENG 101 – Writing I	3			Fills English General Education requirement
MAT 150 – College Algebra (strongly recommended) OR MAT 126	3			MAT 150 also fulfills Quantitative Reasoning requirement for students planning to continue to complete a B.S. degree.
Total Semester Credit Hours	14			

Second Semester (Spring)	Credits	Term	Grade	Prereqs/Notes
*CIT 120 – Computational Thinking	3			Pre-requisite or Co-requisite: MAT 085 OR (MAT 126 or higher) OR Consent of Instructor
*CIT 180 - Security Fundamentals	3			Prerequisite: (CIT 160 OR CIT 161) OR Consent of Instructor
CIT 170 - Database Design Fundamentals	3			Prerequisite: CIT 105 AND (MAT 85 OR MAT 126 OR higher) OR Consent of Instructor
*Networking Platform Course: CIT 167: Routing and Switching Essentials (4)	4			Students choosing the Microsoft/Cisco platform option must complete CIT 167 AND at least 9 hours of Microsoft courses chosen from CIT 213, CIT 214, CIT 215 and CIT 216. (CIT 214 is a prerequisite for CIT 215 and CIT 216.) The remaining course can be from any platform to total at least 15 platform hours.
Social/Behavioral Science Course	3			May be taken any semester
Total Semester Credit Hours	16			

Third Semester (Fall)	Credits	Term	Grade	Prereqs/Notes
-----------------------	---------	------	-------	---------------

CIT 219: Internet Protocols	3			Prerequisite: (CIT 160 OR CIT 161) OR Consent of Instructor
*Networking Platform Courses:	6			Prerequisites will vary by platform. All require at least CIT 160 or CIT 161
CIT 213: Microsoft Client*** AND CIT 214: Microsoft Server Configuration (6) (Fall only)				Prerequisites for CIT 167, CIT 213, and CIT 214 are CIT 111 AND (CIT 160 or CIT 161) Prerequisite for CIT 215 and CIT 216 is CIT 214. ***Microsoft students choosing to focus on Microsoft Server can take CIT 214 during the Fall term and both CIT 215 and CIT 216 during the Spring term. (Move GenEd courses around as needed to balance semesters.)
Heritage OR Humanities course	3			May be taken any semester
Level 1 Programming Language	3			Prerequisite: CIT 120 OR Consent of Instructor
Total Semester Credit Hours	15			

Fourth Semester (Spring)	Credits	Term	Grade	Prereqs/Notes
CIT 215: Microsoft Server Administration OR CIT 216: Microsoft Advanced Services	3			Students must complete a minimum of 15 credit hours in platform courses. Students choosing the Microsoft/Cisco platform option must complete CIT 167 AND at least 9 hours of Microsoft courses chosen from CIT 213, CIT 214, CIT 215 and CIT 216. (CIT 214 is a prerequisite for CIT 215 and CIT 216.)
*Network Platform Course Choices include: CIT 215 (if not taken above) CIT 216 (if not taken above) CIT 209: Scaling Networks (4) (Fall only) Other Networking Platform courses as listed in the KCTCS catalog. Please see CIT faculty advisor to determine which additional platform course should be taken.	3-4			The remaining course can be from any platform to total at least 15 platform hours. Please see a CIT faculty advisor to adjust the schedule so that the Networking Platform Course the student chooses is taken when available.
CIT 288: Network Security (Spring Only)	3			Prerequisite: CIT 180 AND at least six credit hours in Networking Platform Courses.
CIT 293 – CIT Employability Skills	1			Should be taken during the last semester
Natural Science Course	3			May be taken any semester
Total Semester Credit Hours	13-14			
Total Credential Hours	61-62			

Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.

Advisor Name: _____ **Advisor Signature:** _____

Student Name: _____ **Student Signature:** _____

Special Instructions:

CIT Network Technologies students must choose a primary platform (Microsoft, Cisco, or Linux) and a secondary platform. Secondary platforms may Microsoft, Cisco, or Linux (if not chosen as primary platform) or Data Center or Security. This is the advising sheet for students who have chosen Microsoft as their primary platform and Cisco as the secondary platform. This option requires 61 credit hours.

*Priority classes: These classes should be taken first even if the student is not taking a full load.

Special Exams for Credit are given near the beginning of each semester, usually on the Thursday before classes start. Special Exams are offered for CIT 105, CIT 111, CIT 120, and CIT 130. Each exam has a small fee (\$20 - \$40). Please contact CIT faculty for details.

Please send CIT students to a CIT faculty advisor if possible. Students not assigned to a CIT advisor can send a message to the BL-CIT-Advising@kctcs.edu email address to schedule an appointment, even during the summer term.

There are no electives in this track.

Course Rotation Schedule (if applicable)	
Cisco Platform Courses	
CIT 167 (prereq CIT	Spring (and occasionally Summer) only
CIT 209	Fall only
CIT 212	Spring only
Microsoft Platform Courses	
CIT 213	Fall Only
CIT 214	Fall Only
CIT 215 (prereq CIT 214)	Spring Only
CIT 216 (prereq CIT 214)	Spring Only
Linux Platform Courses	
CIT 217 (prereq CIT 160/161)	Spring Only (8-week course)
CIT 218 (prereq CIT 217)	Spring Only (2 nd 8-week session)
CIT 255 (prereq 217/218)	Spring Only (online)
Approved Linux Programming Lang.	Course availability varies by semester. See catalog for approved languages.