

Program Coordinator: Don Halcomb
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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

First Semester	Credits	Term	Grade	Prereqs/Notes
CIT 105 – Introduction to Computers	3			Should be taken first semester
CIT 120 – Computational Thinking	3			Pre-requisite or co-requisite: MAT 085 OR (MAT 126 OR higher)
ENG 101 – Writing I	3			
Heritage OR Humanities Course	3			
MAT 126 – Algebra and Trigonometry OR higher	3			MAT 150 – College Algebra is recommended
Total Semester Credit Hours	15			

Second Semester	Credits	Term	Grade	Prereqs/Notes
CIT 111 – Computer Hardware and Software	4			Pre-requisite: CIT 105 AND MAT 065
CIT 125 – Introduction to Digital Maps	3			Pre-requisite: CIT 105
CIT 160 – Introduction to Networking Concepts OR CIT 161 – Introduction to Networks	4			Pre-requisite: MAT 065 Pre-requisite OR Co-requisite: CIT 111
GIS 145 – Remote Sensing	3			Pre-requisite Co-requisite: CIT 125
Approved Level I Programming Lang. – See list	3			Pre-requisite: CIT 120
Total Semester Credit Hours	17			

Third Semester	Credits	Term	Grade	Prereqs/Notes
CIT 170 – Database Design Fundamentals	3			Pre-req: CIT 105 AND (MAT 85 OR MAT 126)
CIT 180 -- Security Fundamentals	3			Pre-requisite: CIT 160 OR CIT 161
CIT 225 – GIS Data Analysis	3			Pre-requisite: CIT 125
GIS 255 – Geospatial Programming	3			Pre-requisite: CIT 125
GIS 260 – GIS Web Mapping	3			Pre-requisite: CIT 125
Total Semester Credit Hours	15			

Fourth Semester	Credits	Term	Grade	Prereqs/Notes
CIT 229 – Selected Topics in GIS	3			Pre-requisite: CIT 125
CIT 290 – Internship	3			Instructor permission required
CIT 293 -- CIT Employability Studies	3			
Natural Sciences Course	3			
Social and Behavioral Sciences Course	3			
Total Semester Credit Hours	15			
Total Credential Hours	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: _____

Approved Electives (if applicable)

Level I Programming Language Courses: See list below

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 146	Swift I (3)
CIT 147	Programming I: Language (3)
CIT 148	Visual Basic I (3)
CIT 149	Java I (3)
CIT 171	SQL I (3)
CS 115	Intro to Computer Programming (3)
INF 120	Elementary Programming (3)