

Program Coordinator: Robert Chirwa
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Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx>
Student Name:
Student ID:
Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
CIT 105 Introduction to Computers	3				Should be taken first semester
CIT 111 Computer Hardware and Software	4			CIT 105	
CIT 120 Computational Thinking	3			Coreq: MAT 126 or higher	Should be taken first semester
CIT 170 Database Design Fundamentals	3			CIT 105 and (MAT 126 or MAT 085 or higher)	
MAT 150 or higher level Quantitative Reasoning course recommended	3				MAT 126 Technical Algebra and Trigonometry required
Total Semester Credit Hours	16				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CIT 160 Introduction to Networking Concepts or CIT 161 Introduction to Networks	4				
CIT 149 Java I or INF 120 Elementary Programming	3				Level I Programming Language
CIT 150 Internet Technologies or CIT 151 Web Page Development or CIT 157 Web Site Design and Production	3			CIT 105 and CIT 120	
Sequence Course	3				See list on back
ENG 101 Writing I	3				
Total Semester Credit Hours	16				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CIT 180 Security Fundamentals	3			CIT 160 or CIT 161	
CIT 249 Java II or INF 260 Object-Oriented Programming I	3			CIT 149	
Sequence Course	3				See list on back
Heritage or Humanities course	3				
Oral Communications	3				
Total Semester Credit Hours	15				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
CIT 293 CIT Employability Skills	1			Sophomore Standing	
Sequence Course	3				See list on back
ENG 102 Writing II	3			ENG 101	
Natural Sciences course	3				
Social and Behavioral Sciences course	3				
Total Semester Credit Hours	13				
Total Degree Credit Hours	60				

- Graduation Requirements:**
- 25% or more of Total Degree Credit Hours must be earned at BCTC
 - Cumulative GPA must be 2.0 or higher

Advisor Name _____

Advisor Contact _____

Additional Information

A grade of C or higher is required in each CIT, CS, IMD and INF course used to fulfill degree requirements.

SEQUENCE COURSES (Second, Third, and Fourth)

Business	Data Sciences	Informatics Programming
IFM 111 Client-Side Informatics Software	MAT 155 Trigonometry (Prereq: MAT 126 or higher level Quantitative Literacy course)	CIT 253 Data-Driven Web Pages
IFM/INF 128 Principles of Informatics	MAT 174 or MA 113 Calculus I (Prereq: MAT 150 and MAT 155 or equivalent)	CS 215 Introduction to Program Design, Abstraction, and Problem Solving (Prereq: CS 115)
ACC 201 Financial Accounting or ACC 202 Managerial Accounting or ECO 201 Principles of Microeconomics or ECO 202 Principles of Macroeconomics	CS 275 Discrete Math or STA 210 Making Sense of Uncertainty or STA 296 Statistical Methods and Motivations (Prereq: MAT 174 or MA 113)	CS 216 Introduction to Software Engineering (Prereq: CS 215) or STA 210 Making Sense of Uncertainty

Embedded Credentials

Credential	Title	Requirements	Total Credit Hours
Certificate	A+ Prep	CIT 111	4
Certificate	CIT Fundamentals	CIT 105, CIT 111, CIT 120, CIT 160 or CIT 161, CIT 170, CIT 180, Approved Level I Programming Language	23
Certificate	Computer Tech Basic	CIT 105, CIT 111, CIT 160 or CIT 161	11
Certificate	Computer Technician	CIT 105, CIT 111, CIT 160 or CIT 161, CIT 180	14
Certificate	Informatics Programming	CIT 120, CIT 170, CIT 149, CIT 249	12
Certificate	Security+ Prep	CIT 180	3

- Certificate Requirements:**
- 25% or more of Total Certificate Credit Hours must be earned at BCTC
 - Grade of C or higher in each course required for certificate