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**Computer and Information Technologies – Business Software and Support Track Business Software Specialist, Customer Support, and Software Support Sequences**

**Associate in Applied Science degree**

**Program Coordinator: Robert Chirwa E-mail:** [**robert.chirwa@kctcs.edu**](mailto:robert.chirwa@kctcs.edu) **Phone: 859-246-6298**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx**](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.***

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| **First Semester** | **Credit**  **Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 105 Introduction to Computers | 3 |  |  |  | Should be taken first semester |
| CIT 120 Computational Thinking | 3 |  |  | Coreq: MAT 126 or higher | Should be taken first semester |
| ENG 101 Writing I | 3 |  |  |  |  |
| Heritage or Humanities course | 3 |  |  |  | Should be taken first semester |
| MAT 150 or higher level Quantitative Reasoning course recommended | 3 |  |  |  | MAT 126 Technical Algebra and Trigonometry required |
| **Total Semester Credit Hours** | **15** |  |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 111 Computer Hardware and Software | 4 |  |  | CIT 105 |  |
| CIT 130 Productivity Software | 3 |  |  | CIT 105 |  |
| CIT 160 Introduction to Networking Concepts OR CIT 161 Introduction to Networks | 4 |  |  | Coreq: CIT 111 |  |
| CIT 170 Database Design Fundamentals | 3 |  |  | CIT 105 and (MAT 126 or MAT 085 or higher) |  |
| Approved Business or Management Course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 180 Security Fundamentals | 3 |  |  | CIT 160 or CIT 161 |  |
| CIT 234 Advanced Productivity Software | 3 |  |  | CIT 130 |  |
| CIT 236 Advanced Data Organization Software | 3 |  |  | CIT 130 |  |
| Approved Level I Programming Language Course | 3 |  |  |  | See list on back |
| Natural Sciences course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |  |

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| **Fourth Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT 293 CIT Employability Skills | 1 |  |  | Sophomore standing |  |
| Sequence Course | 3 |  |  |  | See list on back |
| Sequence Course | 3 |  |  |  | See list on back |
| Sequence Course | 3 |  |  |  | See list on back |
| Social and Behavioral Sciences course | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |  |
| **Total Degree Credit Hours** | **60** |  |  |  |  |

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| * **25% or more of Total Degree Credit Hours must be earned at BCTC** * **Cumulative GPA must be 2.0 or higher** |

**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

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| **APPROVED BUSINESS OR MANAGEMENT COURSES (Second Semester)** | | | |
| **Course** | **Cr. Hrs.** | **Prerequisites** | **Notes** |
| ACC 201 Financial Accounting | 3 | Sophomore standing |  |
| ACT 101 Fundamentals of Accounting I | 3 |  |  |
| BAS 160 Introduction to Business | 3 |  |  |
| MGT 200 Small Business Management | 3 | BAS 160 |  |
| MGT 274 Human Resource Management | 3 | MGT 283 |  |
| MGT 283 Principles of Management | 3 | BAS 160 |  |
| MGT 287 Supervisory Management | 3 | MGT 283 |  |
| OST 275 Office Management | 3 |  |  |
| Any business or informatics or management course approved by CIT Program Coordinator | 3 |  |  |

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| **APPROVED LEVEL I PROGRAMMING LANGUAGE COURSE (Third Semester)** | | | |
| **Course** | **Cr. Hrs.** | **Prerequisites** | **Notes** |
| INF 120 Elementary Programming | 3 |  |  |
| CIT 140 JavaScript I | 3 | CIT 120 and either CIT 150 or CIT 155 | Spring only |
| CIT 143 C# I | 3 | CIT 120 |  |
| CIT 144 Python I | 3 | CIT 120 |  |
| CIT 148 Visual Basic I | 3 | CIT 120 | Fall only |
| CIT 149 Java I | 3 | CIT 120 |  |
| CIT 171 SQL I | 3 | CIT 120 and CIT 170 | Fall only |
| CS 115 Introduction to Computer Programming | 3 |  |  |

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| **SEQUENCE COURSES (Fourth Semester)** | | |
| **Business Software** | **Computer Support** | **Software Support** |
| CIT 171 SQL I | CIT 232 Help Desk Operations | CIT 150 Internet Technologies OR  CIT 155 Web Page Development OR  CIT 157 Web Site Design & Production |
| Approved CIT Technical Course | Approved CIT Technical Course | CIT 253 Data-Driven Web Pages: Topic |
| Approved Business or Management Course | Approved CIT Technical Course | ENG 101 Writing I OR  Oral Communications Course |

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| **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 | Productivity Software Specialist | CIT 105, CIT 130, CIT 234, CIT 236 | 12 | |
| Certificate | Security+ Prep | CIT 180 | 3 | |

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

**Certificate Requirements:**