[Computer and Information Technologies – Business Software and Support Track](https://bluegrass.kctcs.edu/education-training/program-finder/computer-information-technology.aspx)

Business Software Specialist, Customer Support, and Software Support Sequences

Associate in Applied Science

Coordinator: Robert Chirwa ([robert.chirwa@kctcs.edu](mailto:robert.chirwa@kctcs.edu)) 859-246-6298

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1 (All courses listed should be taken during the first semester)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CIT 105 Introduction to Computers | 3 |  |  |  |  |
| CIT 120 Computational Thinking | 3 |  |  | Coreq: MAT 126 or higher |  |
| ENG 101 Writing I | 3 |  |  |  |  |
| Heritage or Humanities course | 3 |  |  |  |  |
| MAT 150 or higher-level Quantitative Reasoning course recommended | 3 |  |  |  | MAT 126 Technical Algebra and Trigonometry minimum |
| Total Semester Credit Hours | 15 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | 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 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | 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 |  |
| Level I Programming Language Course | 3 |  |  |  | See list |
| Natural Sciences course | 3 |  |  |  |  |
| Total Semester Credit Hours | 15 |  |  |  |  |

Semester 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| CIT 293 CIT Employability Skills | 1 |  |  | Sophomore standing |  |
| Sequence Course 1 | 3 |  |  |  | See list |
| Sequence Course 2 | 3 |  |  |  | See list |
| Sequence Course 3 | 3 |  |  |  | See list |
| 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.

**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 |  |  |

**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 (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 |  |  |

**Sequence Courses (Fourth Semester)**

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence | Course 1 | Course 2 | Course 3 |
| Business Software | CIT 171 SQL I | Approved CIT Tech Course | Approved Business or Management Course |
| Computer Support | CIT 232 Help Desk Operations | Approved CIT Tech Course | Approved CIT Tech Course |
| Software Support | CIT 150 Internet Tech OR  CIT 155 Web Page Dev OR  CIT 157 Web Site Design & Production | CIT 253 Data-Driven Web Pages: Topic | ENG 101 Writing I OR  Oral Comm Course |

**Embedded Credentials**

|  |  |  |  |
| --- | --- | --- | --- |
| Credential | Title | Requirements | Total Cr. 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 |

**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.

*Reviewed by: Robert Chirwa Effective Term: Fall 2021*

*Review Date: 03-10-2021*