

**Associate in Applied Science
Computer and Information Technologies
Internet Technologies Track**



| Name _____ | Empl. ID# _____ | Date Entered _____ | Date Grad. _____ |
|---------------------------------|-----------------|--------------------|------------------|
| DEVELOPMENTAL COURSES AS NEEDED | | Notes | |
| RDG 30 <i>OR</i> RDG 100 | | | |
| ENC 91 | | | |
| MAT 55 | | | |
| MAT 65 | | | |
| MAT 85 | | | |

| GENERAL EDUCATION COURSES | Credit | Res | Tr | Notes |
|------------------------------------|-----------|-----|----|-------|
| ENG 101 Writing I | 3 | | | |
| MAT 150 College Algebra | 3 | | | |
| Natural Sciences | 3 | | | |
| Social and Behavioral Sciences | 3 | | | |
| Heritage/Humanities | 3 | | | |
| GENERAL EDUCATION SUBTOTAL: | 15 | | | |

| TECHNICAL CORE COURSES | Credit | Res | Tr | Notes |
|---|-----------|-----|----|--|
| CIT 105 Introduction to Computers | 3 | | | Recommended first semester |
| CIT 111 Computer Hardware and Software | 4 | | | Coreq: CIT 105 and MAT 65 Recommended first semester |
| CIT 120 Computational Thinking | 3 | | | Prereq: digital lit and MAT 85 |
| CIT 170 Database Design Fundamentals | 3 | | | Prereq: Digital lit and MAT 85 or 126 |
| CIT 180 Security Fundamentals | 3 | | | Prereq: CIT 105 and CIT 160 or 161 |
| CIT 160 Introduction to Networking Concepts <i>OR</i> CIT 161 Network Fundamentals | 4 (4) | | | Prereq: MAT 85. Coreq: CIT 111 or consent of instructor |
| Level I Programming Course | 3 | | | Prereq: CIT 120 |
| CIT 293 CIT Employability Studies | 3 | | | Prereq: sophomore standing in CIT |
| TECHNICAL CORE SUBTOTAL: | 26 | | | |

| INTERNET TECHNOLOGIES TRACK COURSES | Credit | Res | Tr | Notes |
|--|-----------|-----|----|---|
| CIT 150 Internet Technologies | 3 | | | Students take two of these classes All have prereqs of CIT 105; CIT 150 also has a coreq of CIT 120 |
| CIT 155 Web Page Development | 3 | | | |
| CIT 157 Web Site Design and Production | 3 | | | |
| CIT 257 Applied Internet Technologies <i>OR</i> CIT 258 Internet Technologies Seminar | 3 (3) | | | Prereq: CIT 253 |
| Specialization Sequence (see below) | 12 | | | |
| INTERNET TECHNOLOGIES TRACK SUBTOTAL | 21 | | | |
| INTERNET TECHNOLOGIES DEGREE TOTAL | 62 | | | |

Students graduating with a degree or certificate in Computer and Information Technologies may only use a course with a grade of “C” or higher (or a “P” for Pass/Fail courses) to fulfill a core or track graduation requirement. Students may not use one course to fulfill multiple requirements.

The Computer and Information Technologies department does not accept non-general education courses older than five years from returning or transfer students without consent from the program coordinator.

| WEB PROGRAMMING SPECIALIZATION SEQUENCE | Credit | Res | Tr | Notes |
|---|-----------|-----|----|--|
| Approved Level I Web Programming Language Course | 3 | | | |
| Approved Level II Web Programming Language Course | 3 | | | |
| CIT 171 SQL I | 3 | | | Prereq: CIT 120 |
| CIT 253 Data Driven Web Pages | 3 | | | Prereq: CIT 150/155/157 and CIT 170 and Level I Programming Language |
| WEB PROGRAMMING SPECIALIZATION SUBTOTAL | 12 | | | |

| WEB ADMINISTRATION SPECIALIZATION SEQUENCE | Credit | Res | Tr | Notes |
|---|------------|-----|----|--|
| CIT 219 Internet Protocols | 3 | | | Prereq: CIT 160, 161, or 162 |
| CIT 255 Web Server Administration | 3 | | | Prereq: CIT 150, either CIT 213 and 261 or CIT 218 and 217, and CIT 219 or CIT 155 or 157 and CIT 214 or 218 |
| CIT 214 Microsoft Server Configuration <i>AND</i> CIT 215 Microsoft Server Administration | 3 3 | | | Prereq: CIT 111 and CIT 160 or 161 Prereq: CIT 214 or consent of inst. |
| OR | | | | |
| CIT 214 Microsoft Server Configuration <i>AND</i> CIT 216 Microsoft Server Advanced Services | (3) (3) | | | Prereq: CIT 111 and CIT 160 or 161 Prereq: CIT 214 or consent of inst. |
| OR | | | | |
| CIT 217 UNIX/Linux Administration <i>AND</i> CIT 218 UNIX/Linux Net Infrastructure | (3) (3) | | | Prereq: CIT 111 and 160 or 161 Prereq: CIT 217 |
| WEB ADMINISTRATION SPECIALIZATION SUBTOTAL | 12 | | | |

| LEVEL I PROGRAMMING COURSES | Credit | Res | Tr | Notes |
|--|--------|-----|----|---|
| CIT 140 Java Script I | 3 | | | Prereq: CIT 120 and either CIT 150 or 155 |
| CIT 141 PHP I | 3 | | | Prereq: CIT 120 |
| CIT 142 C++ I | 3 | | | Prereq: CIT 120 |
| CIT 143 C# I | 3 | | | Prereq: CIT 120 |
| CIT 144 Python I | 3 | | | Prereq: CIT 120 |
| CIT 145 Perl I | 3 | | | Prereq: CIT 120 |
| CIT 146 Swift I | 3 | | | Prereq: CIT 120 |
| CIT 147 Programming I: Language | 3 | | | Prereq: CIT 120 |
| CIT 148 Visual Basic I | 3 | | | Prereq: CIT 120 |
| CIT 149 Java I | 3 | | | Prereq: CIT 120 |
| CIT 171 SQL I | 3 | | | Prereq: CIT 120 |
| University Level I programming language as approved by program coordinator | 3-4 | | | |

| LEVEL I PROGRAMMING LANGUAGE COURSES | Credit | Res | Tr | Notes |
|--------------------------------------|--------|-----|----|-----------------|
| CIT 141 PHP I | 3 | | | Prereq: CIT 120 |
| CIT 144 Python I | 3 | | | Prereq: CIT 120 |
| CIT 148 Visual Basic I | 3 | | | Prereq: CIT 120 |

| | | | | |
|----------------|---|--|--|-----------------|
| CIT 149 Java I | 3 | | | Prereq: CIT 120 |
|----------------|---|--|--|-----------------|

| LEVEL II PROGRAMMING LANGUAGE COURSES | Credit | Res | Tr | Notes |
|--|---------------|------------|-----------|-----------------|
| CIT 241 PHP II | 3 | | | Prereq: CIT 141 |
| CIT 244 Python II | 3 | | | Prereq: CIT 144 |
| CIT 248 Visual Basic II | 3 | | | Prereq: CIT 148 |
| CIT 249 Java II | 3 | | | Prereq: CIT 149 |

For a list of KCTC general education classes in each category, go to https://kctcs.edu/degrees_training/catalog/2018-2019-KCTCS-Catalog.pdf pp. 76-80.
 Or www.kctcs.edu> degrees & training> 2018-19 catalog> pp. 76-80.

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