

Computer and Information Technologies
Associate in Applied Science
Programming Track
Degree

Academic Plan Code 1101017089

Academic Subplan Code 110101709

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|---|--|--------------|-------|----------|
| Contact Information: Kate Senn | | | | |
| catherine.senn@kctcs.edu | | 270-534-3143 | | |
| Student Name | | Student ID# | | |
| Course | | Hours | Grade | Semester |
| CIT 105 Introduction to Computers | | 3 | | |
| CIT 111 Computer Hardware and Software | | 4 | | |
| CIT 120 Computational Thinking | | 3 | | |
| CIT 170 Database Design Fundamentals | | 3 | | |
| CIT 180 Security Fundamentals | | 3 | | |
| Approved Level I Networking Course | | 4 | | |
| Approved Level I Programming Language Course | | 3 | | |
| CIT 293 CIT Employability Studies | | 1 | | |
| Technical Core Requirements Subtotal | | 24 | | |
| Approved Level II Programming Language | | 3 | | |
| Approved Level I, II, or III Programming Language | | 3 | | |
| Approved CIT Technical Course | | 3 | | |
| Completion of Programming Track Course Sequence in: Information Systems OR Programming Software Development | | 12 | | |
| Track Subtotal | | 21 | | |
| General Education | | | | |
| ENG 101 Writing I | | 3 | | |
| MAT 126 Technical Algebra and Trigonometry (or higher) | | 3 | | |
| Social and Behavioral Sciences Course | | 3 | | |
| Heritage or Humanities Course | | 3 | | |
| Natural Sciences Course | | 3 | | |
| General Education Subtotal | | 15 | | |
| Total Credits | | 60 | | |
| Revised Date: 1/22/2019 | | | | |

WKCTC is an equal opportunity employer and educational institution.

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

All required courses are offered by WKCTC or a partner KCTCS college. Note: 25% of degree credit hours must be taken at WKCTC to meet a residency requirement. Please refer to the KCTCS catalog for a complete listing of courses.

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| Course | Hours | Grade | Semester |
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| Approved Level I Networking Courses | | | |
| CIT 160 Intro to Networking Concepts | 4 | | |
| CIT 161 Introduction to Networks | 4 | | |
| Approved Level I Programming Language Courses | | | |
| 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 | | |
| University Level I Programming Languages as approved by Program Coordinator | 3-4 | | |
| Approved Level II Programming Language Courses | | | |
| CIT 237 iOS Programming | 3 | | |
| CIT 238 Android Programming | 3 | | |
| CIT 241 PHP II | 3 | | |
| CIT 242 C++ II | 3 | | |
| CIT 243 C# II | 3 | | |
| CIT 244 Python II | 3 | | |
| CIT 247 Programming II: Language | 3 | | |
| CIT 248 Visual Basic II | 3 | | |
| CIT 249 Java II | 3 | | |
| CIT 271 SQL II | 3 | | |
| University Level II Programming Languages as approved by Program Coordinator | 3-4 | | |
| Approved Level III Programming Language Courses | | | |
| CIT 277 Programming III: Language | 3 | | |
| CIT 278 Visual Basic III | 3 | | |
| University Level III Programming Languages as approved by Program Coordinator | 3-4 | | |
| Approved CIT Technical Courses | | | |
| Additional CIT Courses approved by the CIT Program Coordinator | 3 | | |

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| Programming Track Course Sequences | | | |
| Information Systems | | | |
| CIT 171 SQL I | 3 | | |
| Approved CIT Technical Courses | 3 | | |
| Approved Management or Business Course | 3 | | |
| Approved Business Course | 3 | | |
| Sequence Subtotal | 12 | | |
| Programming Software Development | | | |
| Approved Level I Programming Language | 3 | | |
| Approved Level II Programming Language | 3 | | |
| CIT 150 Internet Technologies OR | 3 | | |
| CIT 155 Web Page Development OR | (3) | | |
| CIT 157 Web Site Design and Production | (3) | | |
| CIT 253 Data Driven Web Pages: Topic | 3 | | |
| Sequence Subtotal | 12 | | |
| Approved Business Courses | | | |
| ACC 201 Financial Accounting | 3 | | |
| ACT 101 Fundamentals of Accounting I | 3 | | |
| BAS 160 Introduction to Business | 3 | | |
| IFM 111 Client-side Informatics Software | 3 | | |
| IFM 128 Principles of Informatics | 3 | | |
| IFM 211 Collaboration Software | 3 | | |
| IFM 215 Information System Analysis | 3 | | |
| IFM 225 Advanced Informatics | 3 | | |
| Any business or informatics course approved by Program Coordinator | 3 | | |
| Approved Management Courses | | | |
| BAS 200 Small Business Management | 3 | | |
| BAS 274 Human Resource Management | 3 | | |
| BAS 283 Principles of Management | 3 | | |
| BAS 287 Supervisory Management | 3 | | |
| BAS 288 Personal and Organizational Leadership | 3 | | |
| MFG 256 Production Management | 3 | | |
| OST 275 Office Management | 3 | | |
| QMS 101 Introduction to Quality Systems | 3 | | |
| QMS 201 Customer Service Improvement Skills | 3 | | |
| Any management course approved by Program Coordinator | 3 | | |

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