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**Computer & Information Systems – Video Game Design (11.0101)**

**AAS**

**Program Coordinator: Don Halcomb E-mail: don.halcomb@kctcs.edu Phone: (859) 246-6289**

**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 need to be at KCTCS placement levels for all courses***

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 105 – Introduction to Computers | 3 |  |  |  |
| CIT 120 – Computational Thinking | 3 |  |  |  |
| CIT 124 – Introduction to Game Development | 3 |  |  |  |
| CIT 221 or IMD221 – Computer Graphics | 3 |  |  |  |
| ENG 101 – Writing I | 3 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 111 – Computer Hardware and Software | 4 |  |  |  |
| CIT 160 – Intro to Networking Concepts | 4 |  |  |  |
| CIT 222 or IMD222 – 3D Modelling | 3 |  |  |  |
| Approved Level I Programming Language | 3 |  |  | See list below |
| MAT 126 – Technical Algebra and Trigonometry | 3 |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 170 – Database Design Fundamentals | 3 |  |  |  |
| CIT 180 – Security Fundamentals | 3 |  |  |  |
| CIT 223 or IMD223 – 3D Animation | 3 |  |  |  |
| CIT 273 or IMD273 – Game Production | 3 |  |  |  |
| Heritage OR Humanities Course | 3 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CIT 274 or IMD274 – Seminar in Game Development | 3 |  |  |  |
| CIT 293 – CIT Employability Studies | 1 |  |  |  |
| Video Game Design Elective | 3 |  |  |  |
| Natural Science Course | 3 |  |  |  |
| Social and Behavioral Sciences Course | 3 |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |

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| **Total Credential Hours** | **60** |  |  |  |

***Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.***

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Course Rotation Schedule (if applicable)** |
| CIT223 or IMD223 | Fall Only |
| CIT273 or IMD273 | Fall Only |
| CIT274 or IMD274 | Spring Only |
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| **Special Instructions:** |
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| **Approved Electives (if applicable)** |
| CIT238 | Android Programming |
|  | Approved Level II Programming Language |
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| Level I Programming Languages: |
| 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) |
| CS 115 | Intro to Computer Programming (3) |
| INF 120 | Elementary Programming (3) |
| Level II Programming Languages: |
| CIT 237 | iOS Programming I (3) |
| CIT 238 | Android Programming I (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) |
| CS 215 | Introduction to Program Design, Abstraction, and Problem Solving (4) |
| INF 120 | Elementary Programming (3) |