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**Computer and Information Technologies – Video Game Design**

**Certificate**

**Program Coordinator: Robert Chirwa E-mail:** **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 |  |  |  |  |
| CIT 120 Computational Thinking | 3 |  |  | Coreq: MAT 126 or higher |  |
| CIT/IMD 124 Introduction to Game Development | 3 |  |  | CIT 105 or IMD 100 |  |
| CIT/IMD 221 Computer Graphics | 3 |  |  | CIT 105 or IMD 100 |  |
| **Total Semester Credit Hours** | **12** |  |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT/IMD 222 3D Modelling | 3 |  |  | CIT/IMD 221 |  |
| Approved Level I Web Programming Language | 3 |  |  |  | See list on back |
| **Total Semester Credit Hours** | **6**  |  |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT/IMD 223 3D Animation for Video Games | 3 |  |  | CIT/IMD 124 & CIT/IMD 222 | Fall only |
| CIT/IMD 273 Game Production | 3 |  |  | CIT/IMD 124 & CIT/IMD 222 | Fall only |
| **Total Semester Credit Hours** | **6**  |  |  |  |  |

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| **Fourth Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CIT/IMD 274 Seminar in Game Development | 3 |  |  | CIT/IMD 223 & CIT/IMD 273 | Spring only |
| Video Game Design Elective | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **6**  |  |  |  |  |
| **Total Certificate Credit Hours** | **30**  |  |  |  |  |

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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 the certificate**
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**Graduation Requirements:**

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

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| **APPROVED LEVEL I WEB PROGRAMMING LANGUAGE COURSES** |
| **Course** | **Cr. Hrs.** | **Prerequisites** | **Notes** |
| CIT 141 PHP I | 3 | CIT 120 |  |
| CIT 144 Python I | 3 | CIT 120 |  |
| CIT 148 Visual Basic I | 3 | CIT 120 |  |
| CIT 149 Java I | 3 | CIT 120 |  |

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| **APPROVED VIDEO GAME DESIGN ELECTIVES** |
| **Course** | **Cr. Hrs.** | **Prerequisites** | **Notes** |
| CIT 238 Android Programming I | 3 | CIT 149 or INF 120 |  |
| Approved Level II Programming Language | 3 |  |  |