**Advisement Worksheet: Game Development-Game Programming Option (2014-2015)**

Note: The catalog contains official requirements. This is simply an advisement tool to help with planning. In all cases, you should check the catalog to make sure that you are meeting curriculum requirements.  
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| **General Education Requirements**  The General Education Requirements are expressed in Competencies. The student can meet the requirements for these competencies by taking as few as seven courses and as many as eleven courses. One course can meet as many as 3 competencies. To meet the requirements in seven courses careful planning is required. It is strongly recommended that the student meet with a CIS advisor for assistance in selecting courses. | | | | | | | | | **General Education competency fulfilled by taking specified class.** | | |
|  | | ENG101 | | | Composition I: College Writing (3cr) | | | | Written Communication (6cr) | | |
|  | | ENG102 | | | Composition II: Writing about Literature (3cr) | | | | Written Communication (6cr) | | |
|  | | MTH141 | | | Technical Mathematics I | | | | Quantitative/Symbolic Reasoning (3-4 cr) | | |
|  | | Scientific Reasoning & Discovery | | | Pick a 3 or 4 credit course from the Scientific Reasoning & Discovery category list:  [Science Electives](http://bristolcc.smartcatalogiq.com/en/2014-2015/Catalog/General-Education-Competency-Courses/30-Scientific-Reasoning-and-Discovery). | | | | Scientific Reasoning & Discovery (3-4 cr) | | |
|  | | **Pick One**  COM101  COM114 | | | Fundamentals of Public Speaking  Professional Speaking | | | | Humanities (3 cr)  Oral Communication (0-3 cr) | | |
|  | | **Pick One**  SOC101  SOC212 | | | Principles of Sociology (3cr) The Sociology of Social Problems (3cr) | | | | Social Phenomenon (3cr)  Global Awareness (0-3 cr)  Ethical Dimensions (0-3 cr) | | |
| **The above courses fulfill all but 2 of the required general education competencies. The remaining two are Historical Awareness and Multicultural Perspective.** | | | | | | | | | | | |
|  | | **Pick One**  HST111  HST112  HST113  HST114  HST115  HST116 | | The West and the World I  The West and the World II  United States History to 1877  United States History from 1877  Twentieth Century Social History – 1919 to Present  American Foreign Policy – 1898 to Present | | | **HST114 or HST113 (recommended)**  Historical Awareness (3cr)  Multicultural Perspective (0-3cr  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **HST111, HST112, HST115 or HST116**  Historical Awareness (3cr)  Choosing one of the 4 courses listed above will not fulfill the Multicultural Perspective competency. This means the student will need to take another class to fulfill the multicultural perspective competency. Courses that meet this competency can be found here: [Multicultural Electives](http://bristolcc.smartcatalogiq.com/en/2014-2015/Catalog/General-Education-Competency-Courses/53-Multicultural-Perspective) | | | | |
| **General Courses:** | | | |  | | | | | | | |
|  | | BUS115 | | Fundamentals of an Enterprise (1cr) | | | | | | | |
| **CIS Requirements: Recommended Order** | | | | | | | | | | | |
| **Semester I:** | | | | | | **Semester III:** | | | | | |
|  | CIS120 | | Programming Logic, Design and Implementation (3cr) | | |  | | CIT247 | | Preproduction Game Production (3cr) |  |
|  | CIT140 | | Electronic Game Development (3cr) | | |  | | CIT242 | | Programming for Game Designers II (3cr) |  |
|  | CIT141 | | Visual Concepts for Game Designers (3cr) | | |  | | CIT260 | | Topics in Game Programming (3cr) |  |
|  | CIT142 | | Computer Game Level Building (3cr) | | |  | |  | |  |  |
| **Semester II:** | | | | | | **Semester IV:** | | | | | |
|  | CIT143 | | Programming for Game Designers (3cr) | | |  | | CIT276 | | Game Production (4cr) |  |
|  | CIT159 | | Open Source Database (3cr) | | |  | | CIT248 | | Data Structures in the Game Environment (3cr) |  |
|  | **Pick One**  CIS122  CIS156  CIS157 | | Internet Developer (3cr)  Visual Basic (3cr)  Object-Oriented Java I (4cr) | | |  | | CIT261 | | Fundamentals of Game Engine Design (3cr) |  |