



## Red Rocks Community College

2017-2018 Degree or Certificate Map  
Full-Time College Ready

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| <b>Community: Information Technology</b> |
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| <b>Degree or Certificate: Game Development AAS</b> |
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### First Semester:

| Complete | Course Number | Title  | Credits | Prerequisite         |
|----------|---------------|--|---------|----------------------|
|          | CSC 119       | Introduction to Programming                  | 3       | Basic Computer Skill |
|          | CSC 126       | Game Design and Development – (Summer, Fall) | 3       | Basic Computer Skill |
|          | ENG 121       | English Composition I                        | 3       |                      |
|          | MAT 121       | College Algebra (or higher)                  | 4       |                      |
|          |               | Gen Ed – Arts, Sciences, Social & Behavioral |         |                      |

### Second Semester:

| Complete | Course Number   | Title   | Credits | Prerequisite                                       |
|----------|---|---|---------|--|
|          | CSC 160   | Computer Science I: C++   | 4       | CSC 119  |
|          | CIS 220   | Fundamentals of Unix  | 3       | CSC 119  |
|          | COM 115<br>COM 125  | Public Speaking<br>Interpersonal Communication  | 3       |  |
|          | CIS 240 (7.5 Accelerated)<br>CIS 243 (7.5 Accelerated)<br>CNG 101 | Database and Design Development<br><br>Introduction to SQL<br><br>Networking Fundamentals | 6       | CSC 119<br><br>CIS 240<br><br>Basic Computer Skill |

### Third Semester:

| Complete | Course Number   | Title   | Credits | Prerequisite                               |
|----------|---|---|---------|--|
|          | ENG 122<br>ENG 131  | English Composition II<br>Technical Writing                                       | 3       | ENG 121                                    |
|          |   | Gen – Ed Arts, Sciences, Social & Behavioral                                      | 3       |  |
|          | CSC 217   | Advanced Python Programming   | 3       | CSC 119                                    |
|          | CIS 240 (7.5 Accelerated)<br>CIS 243 (7.5 Accelerated)<br>CNG 101 | Database and Design Development<br>Introduction to SQL<br>Networking Fundamentals | 6       | CSC 119<br>CIS 240<br>Basic Computer Skill |
|          | CSC 161   | Computer Science II: C++ - (Fall Only)  |         | CSC 160                                    |
|          | CSC 240 (7.5 Accelerated)   | Java Programming – (Spring Only)  |         | CSC 160                                    |

### Fourth Semester:

| Complete | Course Number   | Title  | Credits | Prerequisite                               |
|----------|---|--|---------|--|
|          | CSC 200<br>CSC 246  | Game Programming I – (Spring only)<br>Mobile App Development: (Language) – (Spring Only) | 3       | CSC 119<br>CSC 240                         |
|          | CIS 289<br>CSC 280  | Capstone – (Spring Only)<br>Internship   | 3       | Last Semester<br>Last Semester             |
|          | CIS 268   | Systems Analysis and Design - (Spring Only)  | 3       | Last Semester                              |
|          | BUS Elective  |  | 3       |  |
|          | CIS 240 (7.5 Accelerated)<br>CIS 243 (7.5 Accelerated)<br>CNG 101 | Database and Design Development<br>Introduction to SQL<br>Networking Fundamentals        | 3       | CSC 119<br>CIS 240<br>Basic Computer Skill |
|          | CSC 240 (7.5 Accelerated)   | Java Programming – (Spring Only)   |         | CSC 160                                    |
|          | CSC 241 (7.5 Accelerated)   | Advanced Java Programming – (Spring Only)  |         | CSC 240                                    |
|          | CNG 131   | Principles of Information Assurance  |         | CNG 101                                    |

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Disclaimer: The contents of this sample represent the most current information available at the time of publication. However, during the period of time covered by this sample it is reasonable to expect changes to be made with respect to this information without prior notice. Students should regularly meet with the faculty advisor listed for the program.