



2017 - 2018
**Game Software Development Bachelor of
 Science Degree**

| Fall Year 1 | | Courses | Credit Hours | |
|----------------------|---------------------------------------|----------------|---------------------|--|
| CIS 1010 | Introduction to Computer Applications | 3 | 15 | |
| CS 1010 | Principles of Computer Science | 3 | | |
| CS 1110 | Introduction to Programming | 3 | | |
| ENG 1010 | College Composition I | 3 | | |
| MTH 1110 | College Algebra I | 3 | | |
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| Spring Year 1 | | Courses | Credit Hours | |
| CIS 2210 | Database Management and Design | 3 | 15 | |
| CS 2150 | C++ Programming | 3 | | |
| ENG 1020 | College Composition II | 3 | | |
| MTH 1120 | College Algebra II | 3 | | |
| WEB 1110 | Introduction to HTML | 3 | | |
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| Fall Year 2 | | Courses | Credit Hours | |
| CS 2410 | Java Programming | 3 | 15 | |
| CS 3010 | Game Design and Analysis | 3 | | |
| CS 3110 | C# Programming | 3 | | |
| ENG 2410 | Creative Writing | 3 | | |
| MTH 1210 | Trigonometry | 3 | | |
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| Spring Year 2 | | Courses | Credit Hours | |
| CIS 2510 | Systems Development Methods | 3 | 15 | |
| CS 2420 | Advanced Java Programming | 3 | | |
| CS 3850 | Game Development | 3 | | |
| SPK 2010 | Oral Communication | 3 | | |
| WRKIT 2010 | Work Experience | 3 | | |
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| Fall Year 3 | | Courses | Credit Hours | |
|-------------------------------------|--|---------|--------------|--|
| CS 3210 | Data Structures and Algorithms I | 3 | 15 | |
| CS 3410 | Programming for Mobile Devices | 3 | | |
| CS 4110 | Artificial Intelligence | 3 | | |
| CS 4310 | Unity Game Programming I | 3 | | |
| SCI | Science Elective 3 | 3 | | |
| Spring Year 3 | | Courses | Credit Hours | |
| CS 3220 | Data Structures and Algorithms II | 3 | 15 | |
| CS 3310 | Application Security Practices | 3 | | |
| CS 3510 | Introduction to Android Mobile SDK and Application Development | 3 | | |
| CS 4320 | Unity Game Programming II | 3 | | |
| MTH 1410 | Introduction to Discrete Mathematics | 3 | | |
| Fall Year 4 | | Courses | Credit Hours | |
| CIS 2610 | Visual BASIC | 3 | 15 | |
| CS 3520 | Advanced Android Mobile Application Development | 3 | | |
| CS 3810 | Unreal Game Programming I | 3 | | |
| HUM 4010 | Philosophy of Ethics | 3 | | |
| SOC 3210 | Cultural Diversity | 3 | | |
| Spring Year 4 | | Courses | Credit Hours | |
| CS 3820 | Unreal Game Programming II | 3 | 15 | |
| CS 4990 | Senior Design Project in Game Software Development | 3 | | |
| PPM 3010 | Project Management | 3 | | |
| WRKIT 4010 | Work Experience | 3 | | |
| Select 1 course from the following: | | | | |
| PSY 1010 | Human Relations | 3 | | |
| PSY 1110 | General Psychology | 3 | | |
| Program Total | | | 120 | |