

# Computer Science, BS - Game Development Concentration

2-Year Pathway 2025/26 - 2029/30

\*The purple courses are offered once a year only!

<b>Fall Junior Courses</b> Course Prefix and Number	<b>Course Title</b> Abbreviate Course Title	<b>Units</b>	<b>Requirement Met</b> GE/UR/Major
<b>CST300</b>	Graduate Writing Assessment for Computing and Design	<b>3</b>	<b>GWAR</b>
<b>CST338</b>	Software Design	<b>4</b>	<b>Major</b>
<b>CST349</b>	Computer Science Proseminar	<b>2</b>	<b>Major</b>
<b>CST325</b>	Graphics Programming	<b>4</b>	<b>Conc 1</b>
<b>MATH270 or Elective</b>		<b>4</b>	<b>Major or Elective</b>
<b>Spring Junior Courses</b> Course Prefix and Number	<b>Course Title</b> Abbreviate Course Title	<b>Units</b>	<b>Requirement Met</b> GE/UR/Major
<b>CST370</b>	Design and Analysis of Algorithms	<b>4</b>	<b>Major</b>
<b>CST326 (Spring only)</b>	Game Development	<b>4</b>	<b>Conc 2</b>
<b>Major Elective</b>		<b>4</b>	<b>Major Elec 1</b>
<b>Major Elective</b>		<b>4</b>	<b>Major Elec 2</b>
<b>Fall Senior Courses</b> Course Prefix and Number	<b>Course Title</b> Abbreviate Course Title	<b>Units</b>	<b>Requirement Met</b> GE/UR/Major
<b>CST329</b>	Reasoning with Logic	<b>3</b>	<b>GE UD 2</b>
<b>CST334</b>	Operating Systems	<b>4</b>	<b>Major</b>
<b>CST426 (Fall only) or CST438</b>	Advanced Game Dev or Software Engineering	<b>4</b>	<b>Conc 3</b>
<b>Any approved course</b>	Software Engineering or an Elective	<b>4</b>	<b>Major Elec 3</b>
<b>Spring Senior Courses</b> Course Prefix and Number	<b>Course Title</b> Abbreviate Course Title	<b>Units</b>	<b>Requirement Met</b> GE/UR/Major
<b>CST462s</b>	Race, Gender, Class in the Digital World	<b>3</b>	<b>GE UD 4 &amp; UDSL</b>
<b>CST499</b>	Computer Science Capstone	<b>4</b>	<b>Major</b>
<b>Any approved course</b>	E.g., SPAN350, JAPN350	<b>3</b>	<b>GE UD 3 &amp; WLC</b>
<b>Any approved course</b>	E.g., Any approved US 2&3 course if not completed at a community college	<b>3</b>	<b>US 2&amp;3 or elective</b>
<b>Any approved course</b>	E.g., CST274 if American Institutions requirement has not been met	<b>2 or 3</b>	<b>Elective or use toward US 1 or 2</b>