



Vocational Map  
**Computer Science- Associate of Applied Science**  
**Computer Simulation & Game Development**  
 (CIP 10.0304)

For timely completion of degree requirements, students must follow the guidelines below. Contact the Program Director for the most up-to-date course schedules.

Students who plan to pursue this degree path may not register for Academic or Technical Courses offered outside of stated degree requirements.

| Completed                | Course   |
|--------------------------|--|
| <input type="checkbox"/> | College Readiness Courses (if needed)  |
| <b>Semester I</b>        |  |
| <input type="checkbox"/> | GAME 1303 Introduction to Game Design & Development  |
| <input type="checkbox"/> | COSC 1436 Program Fundamentals I   |
| <input type="checkbox"/> | MATH 1316 Trigonometry   |
| <input type="checkbox"/> | ARTV 1303 Basic Animation  |
| <input type="checkbox"/> | LEAD 1100 Workforce Development with Critical Thinking   |
| <b>Semester II</b>       |  |
| <input type="checkbox"/> | ARTV 2301 2-D Animation  |
| <input type="checkbox"/> | ITSE 2370 Android Programming  |
| <input type="checkbox"/> | ITSE 1307 Introduction to C++ Programming  |
| <input type="checkbox"/> | PHYS 1401 College Physics I  |
| <input type="checkbox"/> | ENGL 1301 Composition I  |
| <b>Semester III</b>      |  |
| <input type="checkbox"/> | ARTV 1345 3-D Modeling and Rendering   |
| <input type="checkbox"/> | ITSE 2321 Object-Oriented Programming  |
| <input type="checkbox"/> | GAME 1309 Introduction to Animation Programming  |
| <input type="checkbox"/> | ITSE 2331 Advanced C++ Programming   |
| <input type="checkbox"/> | Language, Philosophy, & Culture <b>or</b> Creative Arts on the AAS General Education Course List |
| <b>Semester IV</b>       |  |
| <input type="checkbox"/> | GAME 1353 Multi-User Game Programming I  |
| <input type="checkbox"/> | GAME 2303 Artificial Intelligence Programming I  |
| <input type="checkbox"/> | GAME 2359 Game & Simulation Group Project (Capstone Course)                                      |
| <input type="checkbox"/> | ARTV 1341 3-D Animation I  |
| <input type="checkbox"/> | GOVT 2305 Federal Government <b>or</b> GOVT 2306 Texas Government                                |

For further information on the Computer Science Pathway, visit  
<http://www.wcjc.edu/Programs/technology-and-business/computer-science/index.aspx>

**Choose. Connect. Complete.**