

## Associate of Applied Science in Game Design and Development to Bachelor of Science in Computer Science

The following is presented as an articulation agreement between Joliet Junior College (JJC) and Governors State University (GSU) for the Computer Science degree program based on the current catalogs of both schools. The student would receive an Associate of Applied Science (AAS) in Game Design and Development degree from JJC and a Bachelors of Science (BS) degree in Computer Science from GSU.

### I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (13-14 Hours)

#### Communications (3 hours)

ENG 101 - Rhetoric I (3)

#### Humanities and Fine Arts (3 hours)

Humanities or Fine Arts Course (3)\*

#### Mathematics (4-5 hours)

MATH 150 **or** 170 - Mathematical Analysis for Business **or** Calculus and Analytical Geometry I (4-5) (Meets MATH 2281) [sub for MATH 131/139]

#### Physical and Life Sciences (0 hours)

#### Social and Behavioral Sciences (3 hours)

Social and Behavioral Science Course (3)\*

### II. AREA OF CONCENTRATION/MAJOR FIELD (35 hours)

CIS 122 - Computer Information Systems (4) (Meets CPSC 2100)  
CIS 130 - BASIC Programming (4)  
CIS 236 - Programming in C (4)  
CIS 246 - Advanced C Using C++ (4)  
GAME 200 - Game Design (4)  
GAME 202 - 3D Modeling (4)  
GAME 203 - Game Production (3)  
GAME 211 - Game Development (4)  
GAME 212 - Game Development (4)

### III. CONCENTRATION (12 hours) Select one of the following concentration options:

#### Programming Concentration (12)

CIS 261 - Java Programming (4) (Meets CPSC 3148)  
CIS 269 - Data Structures (4)  
MATH 137 - Introduction to Discrete Mathematics (4)

#### Design and Modeling Concentration (12)

GAME 204 - Basic Animation (4)  
GAME 207 - Digital Sound for Computer Science (4)  
GAME 232 - Advanced 3D Modeling (4) (Meets CPSC 4565; Advanced Selective)

### IV. ELECTIVES (8 Hours)

Select 8 hours of courses from the GAME department with your advisor.

### REQUIRED A.A.S. DEGREE PROGRAM TOTAL: 68 Hours

\* Refer to the JJC AA/AS guidelines for a list of course choices for Section I.

Note: Students can complete up to 80 hours at JJC by taking additional courses from Section V.

# Transfer Guide



## V. TO BE TAKEN AT JJC OR GSU (25 Hours)

- Composition II Course (3) (JJC ENG 102 or GSU ENGL 1010)
- Fine Arts Course (3)\*
- Humanities Course (3)\*
- Life Science Course (3-4)\* (either life or physical science must have a lab)
- Physical Science Course (3-4)\* (either life or physical science must have a lab)
- Social and Behavioral Science Courses from two different disciplines (6)\*
- Speech (JJC COMM 101 or GSU COMS 1160) (3)

*\* Refer to the JJC or GSU catalog for a list of course choices for Section V.*

## VI. TO BE TAKEN AT GSU (54-57 Hours) Foundations Courses (0-3 Hours)

- CPSC 3148 - Computer Programming in Java (3)  
[met if Programming concentration completed at JJC by CIS 261]

### Required Courses (30 Hours)

- CPSC 3099 - Junior Seminar (3)
- CPSC 3310 - Introduction to Object-Oriented Programming (3)
- CPSC 4190 - Intro to Software Engineering (3)
- CPSC 4205 - Computer Organization (3)
- CPSC 4335 - Operating Systems (3)
- CPSC 4338 - Discrete Structures (3)
- CPSC 4342 - Introduction to Computer Networks (3)
- CPSC 4345 - Database Systems (3)
- CPSC 4355 - Data Structures and Algorithms (3)
- CPSC 4900 - Senior Project and Seminar (3)

### Advanced Selectives (24 Hours)

Please see GSU Catalog for the approved list and other computer science courses as approved by GSU academic advisor. Students are strongly encouraged to consider a certificate in Digital Forensics or Information Security or a minor Game Design.

### Minimum Required for BS in Computer Science: 120 Hours

(147-150 hours as written in order to satisfy AAS, General Education and BS requirements.)

#### For Additional Information:

**Governors State University**

**Office of Admission**

**(708) 534-4490**

[TransferGuide@govst.edu](mailto:TransferGuide@govst.edu)

[Visit College of Arts and Sciences](http://www.govst.edu/cas)

[website at www.govst.edu/cas](http://www.govst.edu/cas)

**Joliet Junior College**

**Transfer Center**

**(815) 280-2449**

[Visit JJC website at www.jjc.edu](http://www.jjc.edu)

GSU Transfer Guide 5.7.2020

