

Transfer Guide for Associate of Arts or Science 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 Arts or Science (AA or AS) degree from JJC and a Bachelors of Science (BS) degree in Computer Science from GSU.

I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (39 credits)

Communications (9 credits)

- ENG 101 - Rhetoric (3)
- ENG 102 - Rhetoric (3)
- SPCH 101 - Principles of Speech (3)

Humanities and Fine Arts (9 credits)

- Humanities Course (3)*
- Fine Arts Course (3)*
- Humanities or Fine Arts Course (3)*

Mathematics (4 credits)

- MATH 150 - Mathematical Analysis for Business (4)**

Physical and Life Sciences (7-8 credits)

Select one life science and one physical science course and one must have a lab.

- Life Science Course (3-4)*
- Physical Science Course (3-4)*

Social and Behavioral Sciences (9 credits)

Social and Behavioral Science Courses from at least two different disciplines (9)*

II. AREA OF CONCENTRATION/MAJOR FIELD (15 credits)

- Recommend selecting one of the following: CIS 130, 134, or 136 (4)
- CIS 236 - Programming in C (4) (substitutes for CPSC 342)
- CIS 246 - Advanced C using C++ (4) (substitutes for CPSC 345)
- MATH 128 - Elementary Statistics (3)**

III. ELECTIVES (10 credits)

- Free Electives (10)

REQUIRED A.A. DEGREE PROGRAM TOTAL: 64 credits

This is the recommended sequence to meet the degree requirements and GSU requirements.

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

**** Refer to JJC's catalog requires pre-requisite course(s).**

(over)

IV. TO BE TAKEN AT GSU

Required Courses (27 Hours)

- CPSC 390 - Introduction to Software Engineering (3)
- CPSC 405 - Computer Organization (3)
- CPSC 415 - Data Structures (3)
- CPSC 435 - Operating Systems (3)
- CPSC 438 - Discrete Structures (3)
- CPSC 442 - Introduction to Computer Networks (3)
- CPSC 445 - Database Systems (3)
- CPSC 450 - Introduction to Algorithms (3)
- MATH 340 - Discrete Mathematics (3) (may take JJC's MATH 137)

Advanced Selectives (18 Hours)

Select from the following:

- CPSC 437 - Web Applications (3)
- CPSC 448 - Information Security (3)
- CPSC 455 - Organization of Programming Languages (3)
- CPSC 480 - Internship: . . . (1-4)
- CPSC 490 - Computer Science Research (1-3)
- CPSC 520 - Windows Programming: Visual Basic.NET II (3)
- CPSC 535 - Introduction to the UNIX System (3)
- CPSC 540 - Digital Forensics (3)
- CPSC 548 - Computer Programming: Java (3)
- CPSC 562 - Numerical Algorithms (3)
- CPSC 570 - Windows Systems (3)
- CPSC 572 - Advanced Windows Administration (3)
- CPSC 576 - Database Design and Administration on SQL Servers (3)
- CPSC 580 - Information Security (3)
- CPSC 581 - Information Security Policy and Management (3)
- CPSC 582 - Cryptography and Network Security (3)
- CPSC 583 - Laboratory in Information Security (3)
- CPSC 584 - Special Topics in Information Security (3)
- MATH 465 - Number Theory (3)

Other computer science courses as approved by GSU academic advisor.

Electives (11 Hours)

Minimum Required for BS in Computer Science: 120 hours

For Additional Information:

Governors State University
Program information at www.govst.edu/cas
Office of Admission
(708) 534-4490
gapply@govst.edu

Joliet Junior College
www.jjc.edu
Career and Transfer Center
(815) 280-2449