

Transfer Guide for Associate of Arts or Science Computer Science, 2009-2010

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 2009-10 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)

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