

## Associate of Arts to Bachelor of Science in Computer Science

This is an articulation agreement between Prairie State College (PSC) and Governors State University (GSU) for the Computer Science degree based upon the current catalogs of both schools. Students would receive an Associate in Arts (AA) Degree from PSC and a Bachelor of Science (BS) Degree in Computer Science from GSU.

### I. TRANSFERRABLE GENERAL EDUCATION CORE CURRICULUM (38-40 Hours) (Refer to the AA/AS Degree Guidelines for a list of courses)

#### Area A: Communications (9 hours)

- ENG 101 - Composition I (3)
- ENG 102 - Composition II (3)
- COMM 101 - Principles of Communication (3)

*\*\*Must have a "C" or better in ENG 101 & 102 to receive credit for the degree.*

#### Area B: Humanities and Fine Arts (9 hours)

- Humanities Course (3)\*
- Fine Arts Course (3)\*
- Humanities/Fine Arts Course (3)\*

#### Area C: Mathematics (4-5 hours)

(Either MATH 157 or 171 will satisfy the MATH 2281 requirement at GSU.)

- MATH 157 - Calculus for Business & Social Science (4) **OR**
- MATH 171 - Calculus with Analytic Geometry I (5) (Meets MATH 2281)

#### Area D: Physical and Life Sciences (7-8 hours)

At Least one course must contain a lab.

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

#### Area E: Social and Behavioral Sciences (9 hours)

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

### II. COMPUTER SCIENCE MAJOR REQUIREMENTS (9 Hours)

- ITAPP 101 - Introduction to Computers (3) (Meets CPSC 2100)
- ITPRG 147 + 247 - JAVA Programming (6) (Meets CPSC 3148)

### III. ELECTIVES (13-15 Hours)

- ITPRG 144 - C++ Programming I (3) (recommended)
- MATH 210 - Discrete Mathematics (3) (recommended)
- Free Electives (7-9)\*

#### REQUIRED FOR A PSC AA DEGREE: 62 Hours

**\*Refer to the PSC AA/AS guidelines for a list of course choices in Sections I and III.**

## IV. TO BE TAKEN AT GSU (58 Hours)

### Required Courses (30 Hours)

- CPSC 3099 - Junior Seminar (3)
- CPSC 3310 - Introduction to Object-Oriented Programming (3)
- CPSC 4190 - Introduction 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 (27 Hours)

Please see GSU Catalog for the approved list and other computer science courses as approved by GSU academic advisor.

### Electives (1 Hour)

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

#### For Additional Information:

**Governors State University  
Office of Admission  
(708) 534-4490**

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[Visit the College of Arts and Sciences  
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