

Associate of Applied Science in Information Technology – Cyber Defense Option 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 of Applied Science (AAS) Degree in Information Technology-Cyber Defense Option from PSC and a Bachelor of Science (BS) Degree in Computer Science from GSU.

I. TRANSFERRABLE GENERAL EDUCATION CORE CURRICULUM (16-17 Hours)

Area A: Communications (6 hours)

- ENG 101 - Composition I (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 (0-3 hours)

Humanities/Fine Arts Course (0-3)*

[The AAS degree required 3 hours in **either** Area B **or** Area E.]

Area C: Mathematics (4-5 hours)

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

[See your PSC IT Coordinator for approval to take the above math options in place of the IT 106 AAS math requirement.]

Area D: Physical and Life Sciences (0-3 hours)

Physical or Life Science Course (0-3)*

Area E: Social and Behavioral Sciences (0-3 hours)

Social and Behavioral Science Course (0-3)*

[The AAS degree required 3 hours in **either** Area B **or** Area E.]

II. AAS MAJOR REQUIREMENTS (45 Hours)

- IT 101 - IT Orientation (1)
- IT 140 - Introduction to Operating Systems (3)
- IT 201 - Systems Design and Development (3)
- IT 205 - Ethics in Information Technology (2)
- IT 240 - Linux Operating Systems (3)
- IT 253 - Linux System Administration (3)
- ITCYB 103 - Introduction to Cybersecurity (2)
- ITCYB 143 - Scripting and Security (3)
- ITCYB 153 - Digital Forensics (3)
- ITCYB 203 - Advanced Network Defense (3)
- ITCYB 273 - Cybersecurity Operations (4)
- ITNET 165 - Introduction to Networking (3) (Meets CPSC 4342)
- ITNET 175 - Introduction to Networking II (3)
- ITNET 250 - Introduction to LAN Administration (3) (Meets CPSC 4570; Selective)
- ITNET 260 - Network Security Fundamentals (3) (Meets CPSC 4580; Selective)
- ITNET 280 - Ethical Hacking (3)

REQUIRED FOR A PSC AA DEGREE: 60 Hours (61-62 hours as written)

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

III. TO BE TAKEN AT PSC or GSU (22 Hours)

Composition II Course (3) (PSC ENG 102 or GSU ENGL 1010)

Fine Arts Course (3)*

Humanities Course (3)*

Humanities or Fine Arts Course (0-3)* [depends on course completed as part of AAS]

Life or Physical Science Course with Lab (4)* [based off of course completed as part of AAS]

Social and Behavioral Science courses from at least two different disciplines (6-9)*

[depends on course completed as part of AAS]

**Refer to PSC or GSU Catalog for a list of course choices in Section III.*

IV. TO BE TAKEN AT GSU (54 Hours)

Required Courses (33 Hours)

CPSC 2100 - Introduction to Computing (3)

CPSC 3099 - Junior Seminar (3)

CPSC 3148 - Computer Programming: Java (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 4345 - Database Systems (3)

CPSC 4355 - Data Structures and Algorithms (3)

CPSC 4900 - Senior Project and Seminar (3)

Advanced Selectives (21 Hours)

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

Minimum Required for BS in Computer Science: 120 Hours

(137-138 hours as written to meet AAS, Gened and Bachelor degree requirements.)

For Additional Information:

Governors State University

Office of Admission

(708) 534-4490

TransferGuide@govst.edu

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

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

Prairie State College

Counseling and Advising Office

(708) 709-3508

Sarah Hein, LPC

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