

## **Associate of Applied Science in CyberSecurity to Bachelor of Science in Information Technology**

The following is presented as an articulation agreement between Joliet Junior College (JJC) and Governors State University (GSU) for the Information Technology degree program based on the current catalogs of both schools. The student would receive an Associate of Applied Science (AAS) degree in CyberSecurity (CO246) from JJC and a Bachelor of Science (BS) degree in Information Technology from GSU.

### **I. TRANSFERABLE GENERAL EDUCATION CORE CURRICULUM: (12 Hours)** **Communications (3 hours)**

ENG 101 - Rhetoric (3)

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

Humanities or Fine Arts Course (3)\*

### **Mathematics (3 hours)**

MATH 127 - Math for General Ed (3) (Req'd for AAS & meets gened at GSU)

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

Social and Behavioral Science Course (3)\*

### **II. AREA OF CONCENTRATION/MAJOR FIELD (46 Hours)**

CIS 123 - Linux Essentials Network Development Group (3)  
CIS 135 - Introduction to Programming (4)  
CIS 172 - Operating Systems Fundamentals (3) (Meets CPSC 4335)  
CIS 263 - Networking Essentials (3) (Meets CPSC 4342)  
CIS 272 - Windows Server I (3) (Meets CPSC 4570)  
CIS 275 - IT Technical Support (3)  
CIS 276 - Advanced IT Technical Support (3) (Meets IT 3110)  
CIS 277 - Security Fundamentals (3)  
CIS 278 - Ethical Hacking (3)  
CIS 292 - Computer and Network Security (3) (Meets CPSC 4580)  
CIS 294 - Cyber Security Analyst (3)  
CIS 296 - Computer Forensics (3)  
CIS 297 - Cyber Ops (3)  
CNT 101 - Network Fund. (3) (Meets CPSC 4342)  
CNT 220 - CCNA Security (3) (Meets IT 4210)

### **III. ELECTIVES (3 Hours)**

Select from the following courses:

CIS 125 (3); CIS 216 (3); CIS 223 (3); CIS 273 (4); CIS 293 (4); CNT 102 (3); CIS 162 (3)

### **REQUIRED A.A.S. DEGREE PROGRAM TOTAL: 61 Hours**

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

NOTE: Students are strongly encouraged to complete **up to** 80 hours at JJC by taking additional general education courses from Section IV.

## IV. TO BE COMPLETED AT JJC OR GSU (25 Hours)

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

*\*Refer to JJC or GSU catalog for course options in Section IV.*

## V. TO BE TAKEN AT GSU (39-42 Hours)

### Core Courses (9-12 Hours)

- IT 3099 - Junior IT Seminar (3)
- IT 3310 - Information Technology Project Management (3)
- CPSC 4342 - Intro to Computer Network (3) [Met by JJC CNT 101]
- IT 4810 - IT Senior Projects and Seminars (3)

### Program Selectives (3-6 Hours)

*Select from the following courses: [May vary based on courses completed in Section III.]*

- CPSC 4205 - Computer Organization (3)
- CPSC 4335 - Operating Systems (3) [Met by JJC CIS 172]
- CPSC 4570 - Windows Systems (3) [Met by JJC CIS 272]
- IT 3110 - Fundamentals of Information Technology (3) [Met by JJC CIS 276]
- IT 3210 - Introduction to Scripting Languages (3)
- IT 3520 - Cisco CCNA I (3)
- IT 3521 - Cisco CCNA II (3)
- IT 4210 - Wireless Networking and Security (3) [Met by JJC CNT 220]

### Concentration Courses (27 Hours)

The following courses must be taken at the upper-division level. Students must take 27 credit hours of concentration courses from the following. Students may also take courses in different concentrations.

- |                                  |  |
|----------------------------------|--|
| A. <i>Operating Systems</i>      | D. <i>Ethical Hacking</i>                    |
| B. <i>Information Security</i>   | E. <i>Digital Forensics</i>                  |
| C. <i>Network Infrastructure</i> | F. <i>Virtualization and Cloud Computing</i> |

### Minimum Required for BS in Information Technology: 120 Hours

(124-127 hours as written in order to satisfy AAS, General Education and BS requirements.)

#### For Additional Information:

**Governors State University**  
**GSU Jaguar Transfer Evaluator at**  
<https://govst.transfer.degree/>

**Joliet Junior College**  
**Career and Transfer Center**  
**(815) 280-2449**

[Visit Joliet Junior College at www.jjc.edu](http://www.jjc.edu)

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