# Cybersecurity, B.S.
## College of Arts & Sciences

### General Education Curriculum (GEC) Requirements
#### "At - a - Glance"

(Full GEC requirements can be found on pages 59-60)

The GEC contains 22 Learning Objectives organized under five General Education Learning Outcomes (GLOs). To complete the GEC, select at least one course for each objective. Many courses will meet more than one objective, but a minimum of 40 distinct hours in the GEC is required.

**1. *Effective Written & Oral Communication***

a. Eng 100, 101 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
b. Eng 121 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
c. Bus/Com 210, Pos 101, Pcj 215 . . . . . . . . . . . . . . . . . . . . . . _____
d. Eng 100, 101 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____

**2. *Critical & Creative Thinking***

a. Eco 100, Phi 151, 152, Psy 100 . . . . . . . . . . . . . . . . . . . . . . _____
b. Eco 100, Phi 151, 152, Psy 100, Soc 100 . . . . . . . . . . . . . . . . _____
c. Eng 121 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
d. Art 103, 108, 120, 121, 221, 231, 235, 246, 247,
   251, 261, Eng 211 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
e. Art 107, 211, 212, Art/Eng 116, Eng 151 . . . . . . . . . . . . . . . . _____

**3. *Quantitative & Scientific Reasoning***

a. Mat 101, 117, 121, 131, 140, 166, 201 or higher,
   Phy 153, 154 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154 . . . . . . _____
c. Bio 103, 104, 105, 112, 262, 300, Hpr 101 . . . . . . . . . . . . . . . _____
d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201,
   301, 302, 308, Gey 112, 114, Phy 153, 154 . . . . . . . . . . . . . . . _____
e. Bio 105, 112, 113, 261, Chy 111, 112, 122,
   221, 222, Env 308, Gey 112, 114, Phy 153, 154 . . . . . . . . . . . . . _____

**4. *Information Literacy***

a. Fys 100 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
b. Eng 121 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
c. Phi 151, 152, Swk 202 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____

**5. *Global Consciousness & Intercultural Awareness***

a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110,
   Wst 101. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____
b. Hty 115, 116, 161, 162, 184 . . . . . . . . . . . . . . . . . . . . . . . . . _____
c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102
   Spa 101, 102, Wab 100, 105 . . . . . . . . . . . . . . . . . . . . . . . . . _____
d. Phi 151, 152, Pos 211, Swk 202 . . . . . . . . . . . . . . . . . . . . . . . _____
e. Pos 101, 211, 332 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . _____

### REQUIREMENTS – 48 CREDIT HOURS

| Course | Credits |
|---|---|
| Bus 101 Introduction to Business | 3 |
| Bus 343 Project Risk & Cost Management | 3 |
| Bus 345 Database Management | 3 |
| Cos 101 Introduction to Computer Science | 3 |
| Cos 110 Programming Fundamentals | 3 |
| Cos 120 Introduction to Data Structures | 3 |
| Cos 210 Introduction to Information Security | 3 |
| Cos 232 Introduction to Cyber Forensics | 3 |
| Cos 240 Network Concepts | 3 |
| Cos 340 Computer Security | 3 |
| Cos 350 Databases and Database Security | 3 |
| Cos 410 Cybersecurity I | 3 |
| Cos 440 Network Security | 3 |
| Cos 485 Cybersecurity Capstone | 3 |
| Cos 495 Cybersecurity Internship | 3 |
| Mat 201 Probability & Statistics I* | 3 |

*Course also meets GEC requirement

**Select THREE of the following courses for a total of 9 credits:**

| Course | Credits |
|---|---|
| Bus (higher than Bus 101) | 3 |
| Cos XXX | 3 |
| Mat 131* or Higher | 3 |
| Cos 290 Special Topics in Cybersecurity | 3 |

**Select ONE of the following:**

| Course | Credits |
|---|---|
| Bus/Com 210 Organizational Communication* | 3 |
| PCJ 215 Business Communication* | 3 |

**Students are encouraged to pursue a minor in math or business.**

**SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 120**

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**Total credits required for degree: 120**
**Minimum cumulative GPA for graduation: 2.00**
**Cumulative GPA in Art Courses: 2.25**