**Cybersecurity Program**

**Catalog 2021/2022 – 120 Hours**

**Mathematics – 10 hours**
- STA 2023 (3 hrs) Intro to Statistics
- MAC 1147 (4 hrs) PreCalc Alg/Trig
- MAD 2104 (3 hrs) Discrete Math

**Science – 6 hours**
- PHY 2020 (3 hrs) Conceptual Physics
- COP 2512 (3 hrs) Programming Fund for IT
- CGS 1540 (3 hrs) Intro to Databases
- COP 4703 (3 hrs) Adv Database Systems for IT
- MAD 2104 (3 hrs) Discrete Math
- Natural Science Elective (3 hrs)

**English – 6 Hours**
- ENC 1101 (3 hrs) Composition I
- ENC 1102 (3 hrs) Composition II

**Computer Science – 38 hours**
- COP 2512 (3 hrs) Programming Fund for IT
- CGS 1540 (3 hrs) Intro to Databases
- ENC 1101 (3 hrs) Composition I
- ENC 1102 (3 hrs) Composition II
- MAD 2104 (3 hrs) Discrete Math
- Natural Science Elective (3 hrs)

**Breadth courses – 6 hours**
- PSY 2012 (3 hrs) Intro to Psychological Sci
- ECO 2013 (3 hrs) Econ Principles Macroeconomics

**Additional requirements**
- Gen Ed Humanities (3 hrs)
- Gen Ed Human and Cultural Diversity in GC (3 hrs)
- Gen Ed Information and Data Literacy (3 hrs)
- ENC 3246 Communication for Engineers (3 hrs)
- Foreign Lang (8 hrs or 2 years high school)

**Industry internship**
- An industry internship is recommended for the third summer. Credit can be earned as CIS 4947 Industry Internship for IT (3 hrs – Approved Cybersecurity elective). See Department Advisor for information.

**Industry certification**
- Students are prepared to earn CompTIA Network+ and Security+ certifications with some additional study needed. Students are prepared to get practical experience to earn CISSP certification.

**Notes**
1) MAC 1147 may require MAC 1105 College Algebra as a pre-req. Consult with the Department Advisor.
2) Approved Cybersecurity Electives having prereq – see the Department website for more information.
3) The maximum number of credit hours for COP 4900 and COP 4947 in any combination is 9 credit hours. No more than 3 hours of CIS 4947 in a single company.

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**Required Courses (38 hours)**

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**Breadth courses – 6 hours**
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**Approved Cybersecurity electives (9 hrs)**

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**General Electives (9 hrs)**

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