Cybersecurity Program
Catalog 2020/2021 – 120 Hours

NOTE: This flow chart is provided as a guide; the catalog is the only definitive source of requirements.

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

Science – 6 hours
PHY 2020 Conceptual Physics (3 hrs)
Natural Science Elective (3 hrs)
EGN 3000/3000L (3 hrs) Foundations of Engineering

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

Science – 6 hours
COP 2512 (3 hrs) Programming Fund for IT
CGS 1540 (3 hrs) Intro to Databases

Breadth courses – 6 hours
PSY 2012 (3 hrs) Intro to Psych Sci (FKL Soc/Beh)
ECO 2013 (3 hrs) Macroeconomics (FKL Soc/Beh)

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 will be prepared to immediately earn CompTIA Security+ and CompTIA Network+ certifications. Students will be prepared to get practical experience to earn the 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 have varying pre-reqs – 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.

Approved Cybersecurity electives (15 hrs)

Requires a 3.00 GPA in MAD 2104, STA 2023, PHY 2020, and MAC 1147 for continuation. All grades “C” or better (“C-” is not acceptable). No more then two courses in the Department pre-continuation.

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