Cybersecurity Program – USF Bellini College
Catalog 2025-26 (120 hours)

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

Progression into the upper level (ULDP status) occurs when a student is enrolled in COP 3515 Advanced Program Design for IT.

Mathematics – 10 hours

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

Science – 6 hours

- PHY 2020 (3 hrs) Conceptual Physics
- Gen Ed Nat Sci (3 hrs)

Breadth courses – 6 hours

- PSY 2012 (3 hrs) Intro to Psychological Sci
- ECO 2013 (3 hrs) Econ Principles Macroeconomics

English – 6 Hours

- ENC 1101 (3 hrs) Composition I → ENC 1102 (3 hrs) Composition II

Additional Gen Ed and Foreign Language
POS 2041 OR AMH 2010 OR AMH 2020 (3 hrs)
Gen Ed Humanities (3 hrs)
Gen Ed Humanities (3 hrs)
Open choice – Any Gen Ed Elective (3 hrs)
Foreign Language (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 have varying prereqs – see the Department website for more information.
3) The maximum number of credit hours for COP 4900 and CIS 4947 in any combination is 9 credit hours. No more than 3 hours of CIS 4947 in a single company.
4) Students may be required to complete both an approved civic literacy course and a passing score on a designated civic literacy assessment before graduation. Consult the catalog.

Flowchart courses

- COP 2510 (3 hrs) Programming Concepts
- CGS 1540 (3 hrs) Intro to Databases
- CIS 1930 (0 hrs) Freshman Seminar

MAC 1147
STA 2023
MAD 2104
PHY 2020

- COP 2513 (3 hrs) Obj Oriented Program
- CIS 3213 (3 hrs) Foundations of Cybersecurity

- COP 3515 (3 hrs) Adv Program Design
- CIS 4219 (3 hrs) Human Aspects of Cybersecurity
- CIS 4622 (3 hrs) Hands-on Cybersecurity

- CNT 4104/4104L (4 hrs) Comp Info Networks w/ lab
- COP 4538 (3 hrs) Data Structures and Algorithms
- CIS 4200 (3 hrs) Penetration Testing

- CNT 4403 (3 hrs) Network Security and Firewalls
- COP 4703 (3 hrs) Adv Database Systems

- ISM 4323 (3 hrs) Information Sec and IT Risk Management
- LIS 4414 (3 hrs) Information Policy and Ethics

Cybersecurity Electives (21 hrs)

_____
_____
_____
_____
_____
_____
_____

General Electives (16 hrs)

_____
_____
_____
_____
_____