

Cybersecurity

120 credits, 2019/2020 Catalog

First Year

Fall Semester

3	CGS 1540 Intro to Databases for IT
4	MAC 1147 Pre-Calculus
R	EGN 3000 Foundations of Engineering
3	ENC 1101 Composition I
<u>3</u>	EGN 3000L Foundations of Eng Lab (TGEC)
13	<i>Total Credits</i>

Spring Semester

3	COP 2512 IT Programming Fundamentals
3	MAD 2104 IT Discrete Math
3	PHY 2020 Conceptual Physics
3	ENC 1102 Composition II
<u>3</u>	St. Gen. Ed. Core Humanities
15	<i>Total Credits</i>

Second Year

Fall Semester

3	COP 2513 Object-Oriented Programming
3	CGS 3303 IT Concepts
3	ECO 2013 Macroeconomics <i>(Required St. Gen. Ed. Core Social Science)</i>
<u>3</u>	STA 2023 Introductory Statistics I
12	<i>Total Credits</i>

Spring Semester

3	CIS 3213 Found. Of Cyber Security
3	PSY 2012 Psychological Science I <i>(Req'd St. Gen. Ed. Core Social Science)</i>
3	General Ed. Natural Science Elective
<u>3</u>	Gen. Ed. Human & Cultural Diversity
12	<i>Total Credits</i>

Summer

3	COP 3515 Program Design for IT
3	ENC 3246 Comm. for Engineers
<u>3</u>	Gen. Ed. Information & Data Literacy
9	<i>Total Credits</i>

Third Year

Fall Semester

3	COP 4538 Data Structures and Algorithms
3	CEN 3722 Human Computer Interfaces for IT
3	CIS 3363 IT Systems Security
3	ISM 4323 Info Security & IT Risk Mgmt.
<u>3</u>	CIS 4622 Hands-on Cybersecurity
15	<i>Total Credits</i>

Spring Semester

3	CGS 3853 Web Systems for IT
3	CIS 4219 Human Aspects of Cybersecurity
3	CNT 4104 Computer Information Networks
1	CNT 4104L Computer Info Networks Lab
3	CIS 3615 Secure Software Development
<u>3</u>	Approved Cybersecurity Elective
16	<i>Total Credits</i>

Internship/Co-op

	List Company/employer name and position (see advisor for credit options – CIS 4947)
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Fourth Year

Fall Semester

3	COP 4703 Advance Database Systems for IT
3	LIS 4414 Information Policy & Ethics (ERCE)
3	CNT 4403 Network Security & Firewalls
3	Approved Cybersecurity Elective
3	Approved Cybersecurity Elective
<u>1</u>	*Apply for Graduation
15	<i>Total Credits</i>

Spring Semester

4	CIS 4935 Senior Project in IT (HIP)
3	CIS 4200 Penetration Testing for IT
3	Approved Cybersecurity Elective
<u>3</u>	Approved Cybersecurity Elective
13	<i>Total Credits</i>

Note: Courses in bold must be completed with minimum grade of C, not C-. See overleaf for admission requirements.

R - Required course

* Students must meet the Civic Literacy requirement with credit for AMH 2020, POS 2041 or passing the Civic Literacy test.

TGEC = Tampa General Education Creative Thinking

ERCE = Ethical Reasoning & Civic Engagement

HIP = High Impact Practice Capstone

Entrance Requirements for the B.S. in Cybersecurity

- Completion of the following courses with a minimum grade of C and an cumulative **3.0 GPA*** (based on best attempt) for the following courses:

___ **CGS 1540 Intro to Databases for IT**
___ **COP 2512 IT Programming Fundamentals**
___ **COP 2513 Object-Oriented Programming for IT**
___ **MAD 2104 IT Discrete Math**

* Minimum GPA for entry into the department for fall 2019 is 3.00. This GPA is subject to change in future years; check the department website.

Continuation in the Major

- Unless otherwise stated, the minimum acceptable grade in all Cybersecurity major required math, science, and engineering courses is a C or higher (C- is insufficient).
- The minimum acceptable grade in state mandated prerequisite courses is a C or higher (C- is insufficient).
- The minimum acceptable grade in specialization courses is a C-, except as stated in the major admissions and continuation requirements.
- Students must have and maintain a minimum 2.0 Math and Science GPA, 2.0 Engineering GPA, 2.0 Specialization GPA, 2.0 USF GPA, and 2.0 Overall GPA.
- All required math, science, engineering, and major/specialization courses must be successfully completed in no more than **two** registered attempts. Grades of W, I, IF, U, R, and M are considered attempts. Registration that is canceled for non-payment is also considered an attempt.