

\*Please note\* This flowchart is not a contract.  
For your contract information please see the catalog.

Major Code:  
396527

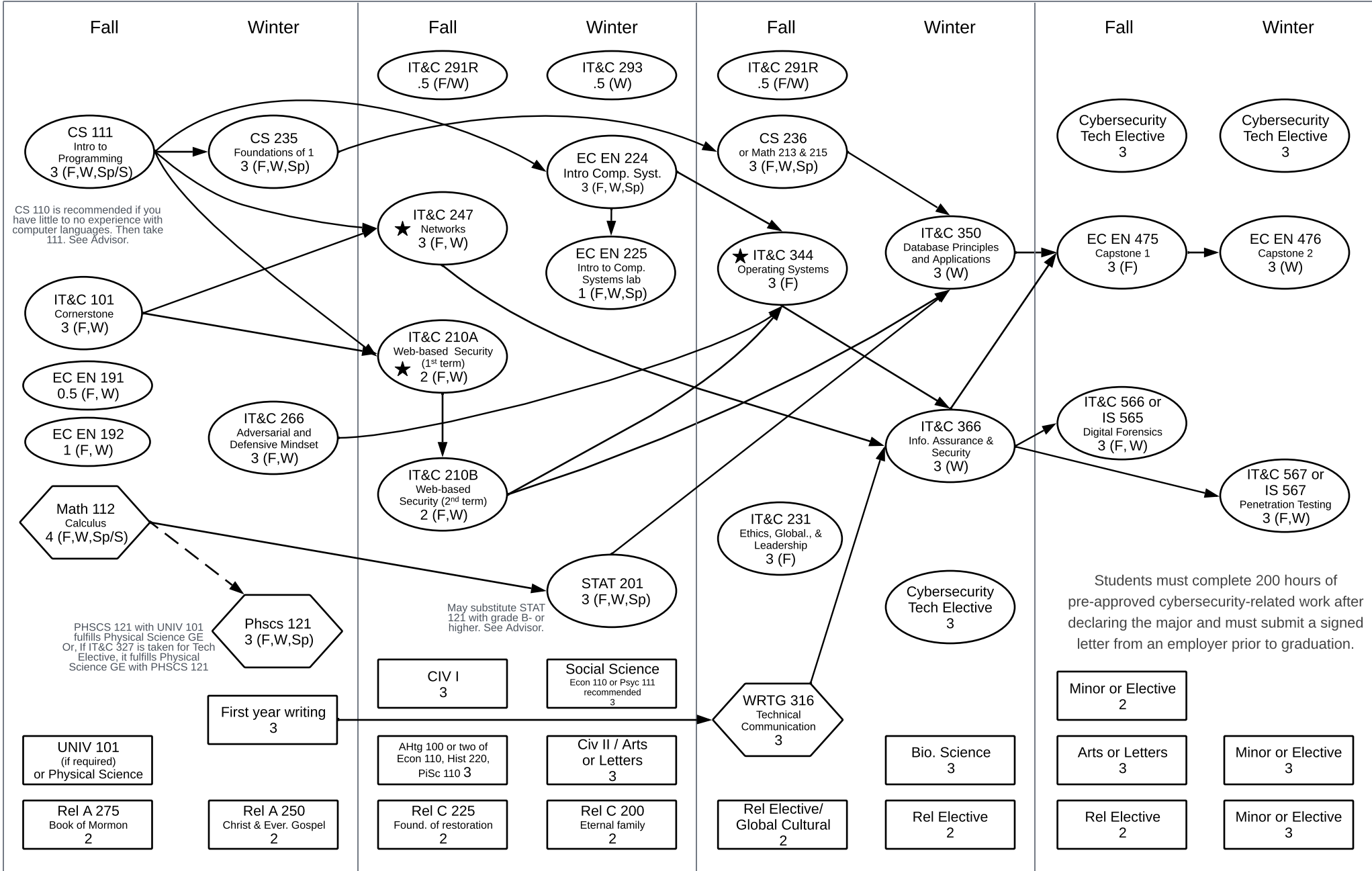
# Cybersecurity 2024-2025

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR



Credit Hours: 15.5

14

15.5

15.5

14.5

14

16

15

□ G.E. Classes

○ Major Classes

→ Required Prerequisite

- - → Concurrent Enrollment at BYU with Instructor Permission

★ Students must earn a grade of C or higher in IT&C 210B to enroll 344

⬡ Major and G.E. Classes

**Total Credit Hours: 120**  
**120 credits minimum required for graduation**

## Cybersecurity Technical Electives

- EC EN 330 Intro to Embedded Systems
- EC EN 427 Embedded Systems
- EC EN 471 Machine Learning Foundations
- EC EN 526 Wireless Networking
- IT&C 327 Digital Communications
- IT&C 492R Special Problems
- IT&C 515R Special Topics
- IT&C 529 Advanced Networking
- IT&C 544 System Administration
- IT&C 548 Cyber-Physical Systems
- IT&C 562 Cloud Architecture & Security
- IT&C 585 Encryption Implementation
- MATH 485 Mathematical Cryptography
- *Other technical, cybersecurity-related courses may be petitioned to count as a Cybersecurity Technical Elective with approval from the department. See advisor for questions.*

## 200 Hours of Work Experience

Students majoring in Cybersecurity should have a paid experience that involves cybersecurity activities, which could include defensive activities (e.g., securing databases, networks, mobile apps, websites), digital forensics, or penetration testing activities. Job titles may be things like security analyst, engineer, consultant, etc. also more generic, such as system administrator, network engineer, web developer, so long you and your supervisor demonstrate performed cybersecurity-related for at least 200 hours.

To complete this requirement, a signed letter from your employer must be submitted to the CTB Advising Office. Letters must be submitted at least 1 month prior to graduation. Please see this website or Academic Advisor with questions.

<https://ctbadvisement.byu.edu/itc-work-experience>

## Crabtree Advising Office

CTB 265  
801-422-1818  
[ctb\\_advisement@byu.edu](mailto:ctb_advisement@byu.edu)

## Notes:

- PHSCS 121 is required for the major, and can count as part of the Physical Science general education requirement. An additional class is needed to complete that general ed requirement (see your MyMap for details). If IT&C 327 is taken as a tech elective for the major, it can double count towards the second part of the Physical Science.
- The new UNIV 101 class can replace one of the following general education requirements: Letters, Arts, Civ 1, Civ 2, Biological Science, Social Science or Physical Science. It is recommended that students use this to fulfill the Physical Science requirement if they do not plan on taking IT&C 327 as a tech elective.
- Please see advisor for questions.