

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

Major Code:
396527

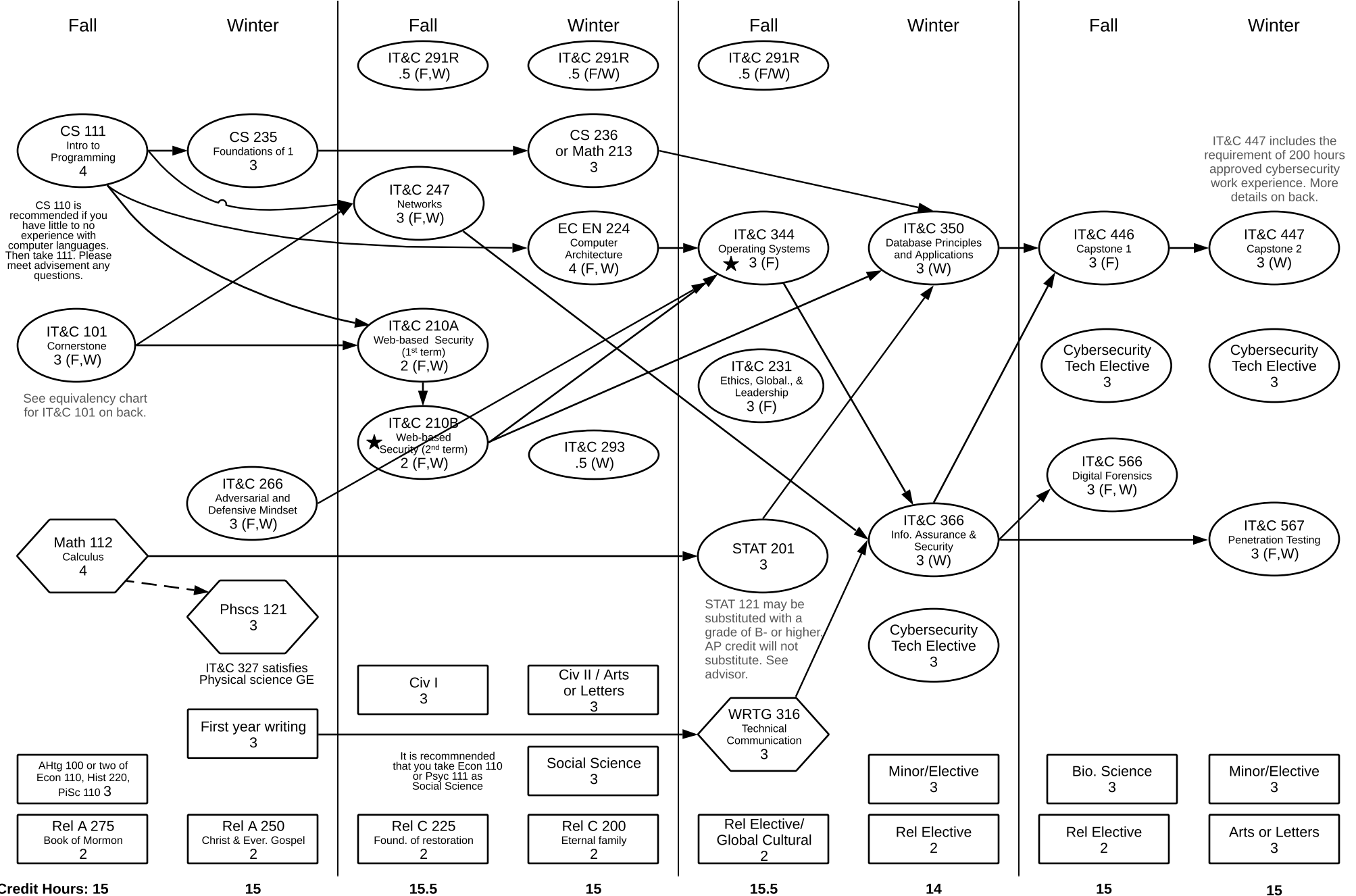
Cybersecurity 2023-2024

FRESHMAN

SOPHOMORE

JUNIOR

SENIOR



IT&C 447 includes the requirement of 200 hours approved cybersecurity work experience. More details on back.

CS 110 is recommended if you have little to no experience with computer languages. Then take 111. Please meet advisement any questions.

See equivalency chart for IT&C 101 on back.

STAT 121 may be substituted with a grade of B- or higher. AP credit will not substitute. See advisor.

It is recommended that you take Econ 110 or Psyc 111 as Social Science

Credit Hours: 15

15

15.5

15

15.5

14

15

15

□ G.E. Classes
⬡ Major and 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

Fulfills a CS minor with the addition of 240 (4) and two additional courses.

Total Credit Hours: 120

Cybersecurity Technical Electives

- IT&C 492R on a topic
- 515R 529 Advanced Networking
- 544 System Administration
- 548 Cyber-Physical Systems
- MATH 485 Mathematical Cryptography
- IS 565 Digital Forensics for Organizations

Other courses may be approved by petition. The course must meet certain requirements to eligible consideration as technical elective.

must:

- 300 or higher-level course,
- teach at least 70% new material from taught the program,
- and have of content related to:
 - tasks, knowledge, skills, abilities defined in current National Initiative Education (NICE) Workforce Framework (800-181) or
 - topics NSA/DHS Center Academic Excellence Education.

200 Hours of Work Experience

IT&C 447 includes the requirement hours approved Cybersecurity work experience. Students majoring in 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 web developer, so long you and your supervisor demonstrate performed cybersecurity-related for at least hours.
ctbadvisement.byu.edu/itc-work-experience

Common Equivalents

Substitutions do not happen automatically. Please see advisement office.

IT&C 101	IS 110, 201, & 303 (all 3 courses)
IT&C 124	ECEN 220
IT&C 252	CS 224
STAT 201	STAT 121, with a grade of B- or higher. AP credit will not substitute.