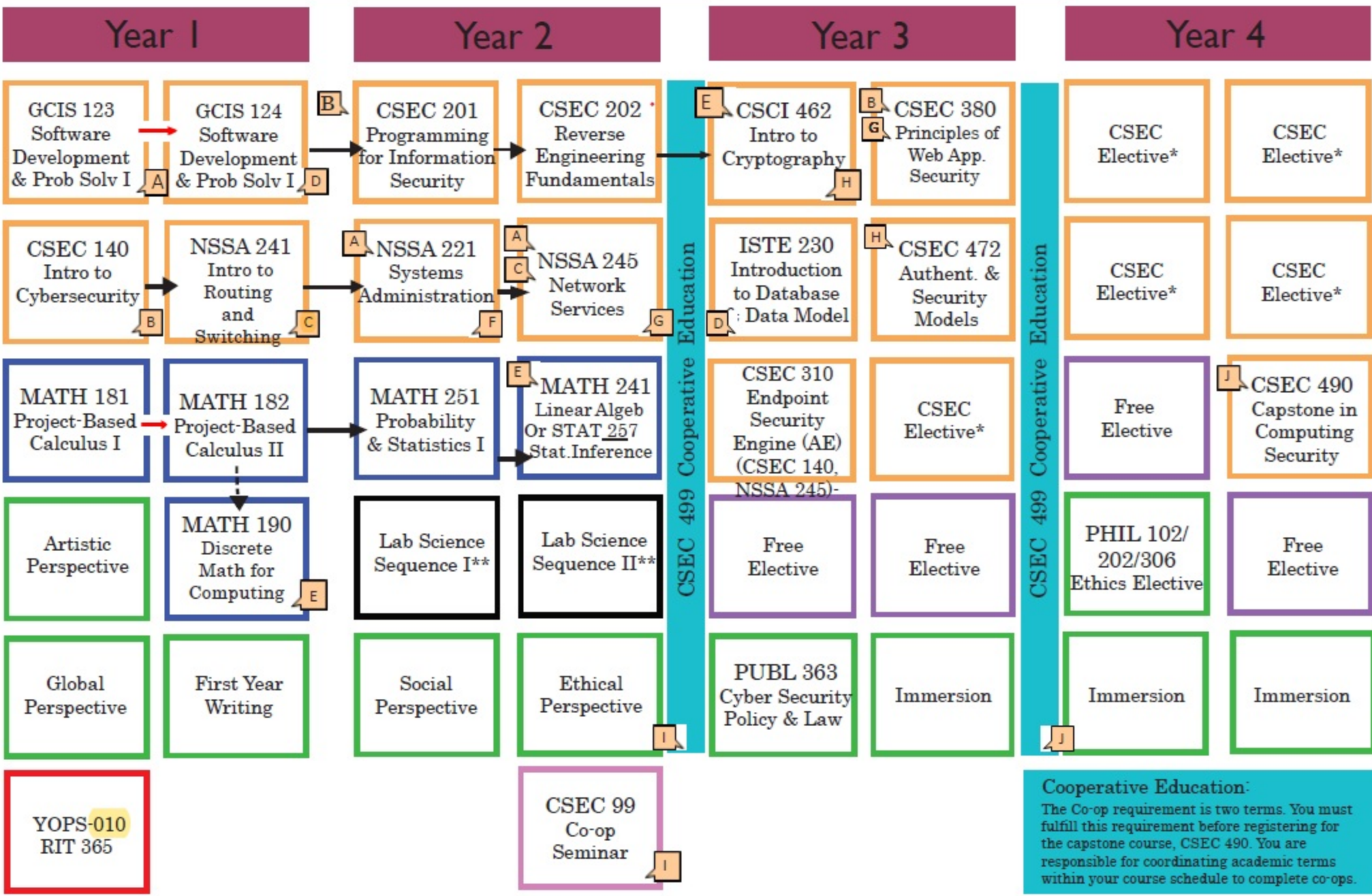


Department of Computing and Electrical Engineering Undergraduate Curriculum - Cybersecurity



***Computing Security Advanced Electives**

There are five advanced electives that students must complete; students are required to take at least 4 advanced electives (12 credits) with the CSEC course header, and no more than 1 course (3 credits) from SWEN or CSCI to meet advanced elective requirements.

****Lab Science Sequence:**

Students must choose one of the following lab science sequences and complete the two courses within it.
 PHYS 211 & PHYS 212
 BIOL 101+103L & BIOL 102+104L
 CHMG 141+145L & CHMG 142+145L

Free Elective:

Students are given four 3 credit free electives to complete in their degrees. These required courses are able to be filled with any credit bearing course. The free elective courses can be filled with courses for a minor, or classes of interest.

RIT 365:

This class serves as an interdisciplinary catalyst for first-year students to access campus resources, services, and opportunities. It is also designed to challenge and encourage relationship building and campus community.

Co-op Seminar:

This course helps students prepare for co-op employment by developing job search strategies. Students will explore current & emerging aspects of the Computing Security field with employers, alumni and current students who have already been on co-op.

Key:

- Computing (orange)
- Math (blue)
- General Education (green)
- First Year Requirement (red)
- Science (purple)
- Free Elective (light purple)
- Co-op (teal)
- Course label (orange box)
- Course Pre-req (orange arrow)
- C - or better (red arrow)
- Prerequisite (black arrow)
- Corequisite (dashed arrow)

- *CSEC 461 Computer System Security
- *CSEC 462 Computer System Security
- *CSEC 463 Sensor Network Security
- *CSEC 464 Computer System Forensics
- *CSEC 465 Network and System Security Audit
- *CSEC 467 Mobile Device Security and Forensics
- *CSEC 468 Risk Management for Info Security
- *CSEC 476 Malware Reverse Engineering
- *CSEC 477 Disaster Recovery Planning & Business Continuity

Perspectives:
Choose a course for the Artistic, Ethical, Global, and Social perspectives. The other three perspectives are specified by the required courses in the CSEC program.

Immersion:
Select an Immersion approved in the General Education Framework. An Immersion consists of three pre-defined upper level courses focusing in one topic area. See the College of Liberal Arts website for a listing.

Cooperative Education:
The Co-op requirement is two terms. You must fulfill this requirement before registering for the capstone course, CSEC 490. You are responsible for coordinating academic terms within your course schedule to complete co-ops.

Get To Know Your Advisor:
You should meet with your advisor regularly to plan your courses, get help with scheduling problems, or to just check-in on your academic progress. This is the recommended course sequence. Individual course schedules may vary. You are responsible for verifying course offerings and pre-requisites. For additional information refer to the department website: <http://www.rit.edu/gccis/computingsecurity/>