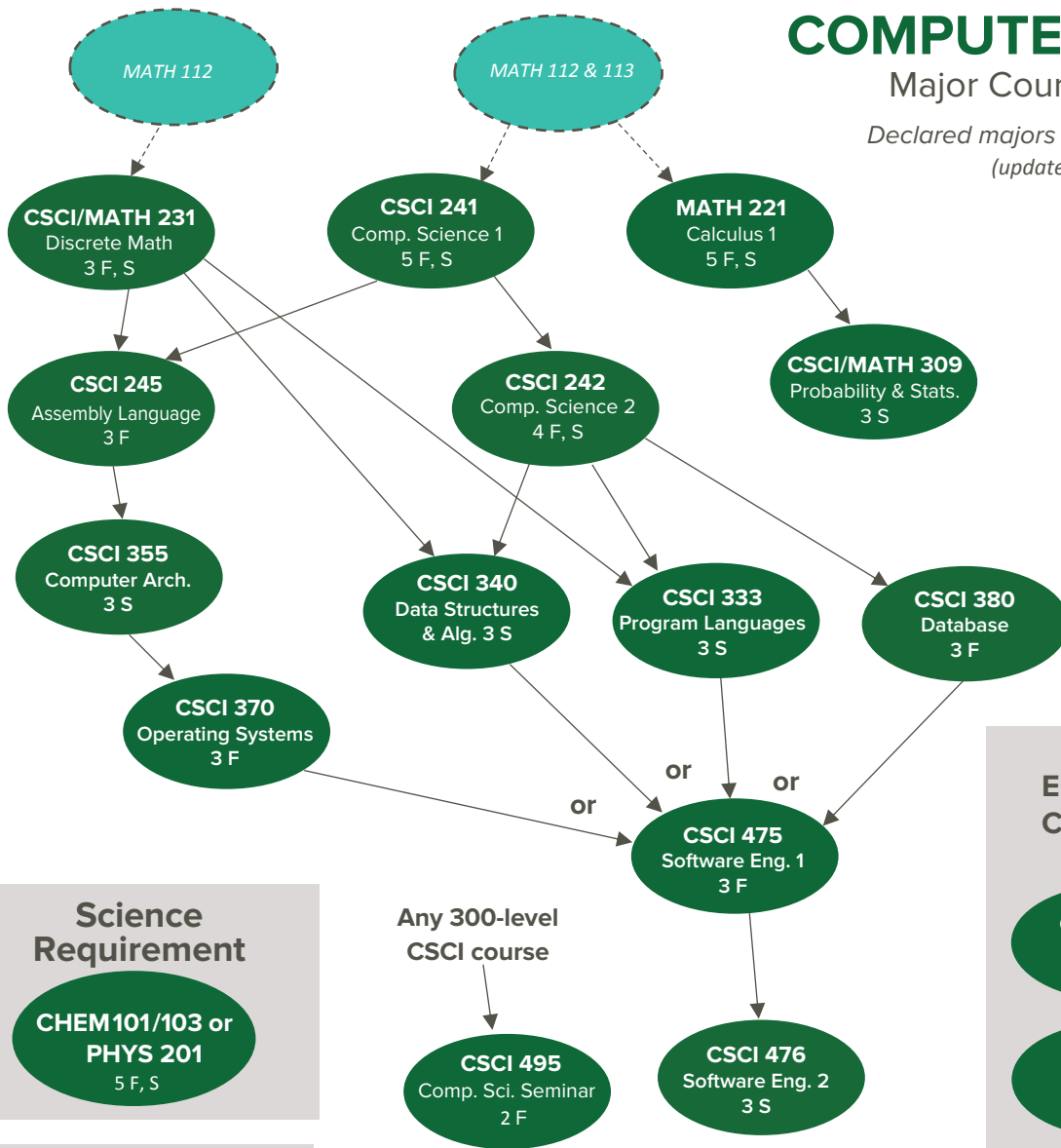


# COMPUTER SCIENCE

## Major Course Flowchart

Declared majors beginning Fall 2022  
(updated 10/2022)



### Key

Course Name  
Course Number  
Credits  
F=Fall | S=Spring  
SU=Summer  
W=Winterim

Prerequisite Course  
Not Part of CS Major

Prerequisite →

### Science Requirement

CHEM101/103 or  
PHYS 201  
5 F, S

### Breadth Requirement

9 or more credit hours  
outside of CS in a coherent  
collection of courses  
relevant to CS.

Refer to academic catalog  
for breadth options



### Elective Major Courses

Select from the following\*:

- CSCI 323\* - Mobile Development in Android
- CSCI 324\* - Mobile Development in iOS
- CSCI 405 - Artificial Intelligence
- CSCI 410 - Intro to Data Science
- CSCI 411 - Data Science Program/Visualization
- CSCI 412 - Data Mining & Machine Learning
- CSCI 415 - Data Science/Machine Learning Project
- CSCI 420 - Computer Graphics
- CSCI 421 - Computer Vision
- CSCI 424 - Client/Server Programming
- CSCI 431 - Computational Models
- CSCI 435 - Linux System Administration
- CSCI 440 - Compiler Design & Implementation
- CSCI 444 - Event Driven Programming
- CSCI 445 - Web Application Security
- CSCI 469 - Embedded Systems Design
- CSCI 477 - Computer Communications & Networks
- CSCI 478 - Network Security
- CSCI 480 - Advanced Databases
- CSCI 489 - Information Security Planning

\*Only one (1) 300-level course can be counted toward the electives (CSCI 323 OR CSCI 324, not both)