

Bioinformatics Emphasis

(81 Credit Hours)

Fall 2025 Requirements

1. Grades below C- are not allowed in major courses.

Core Course Requirements (85 Hours)

- Complete the following 10 courses: CS 111, 191, 224, 235, 236, 240, 270, 291, 312, 404,
- Complete the following 7 courses: BIO 130, BIO 165, BIO 264, BIO 364, BIO 465, MMBIO 240, PWS 340
- Complete the following 5 courses: CHEM 105, Math 112, Math 213, Math 215, WRTG 316
- Complete 1 courses: BIO 250 or BIO 420
- Complete 1 course: CS 473 or CS 474**
- Complete 12 total hours from the following:

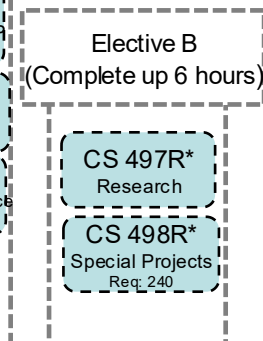
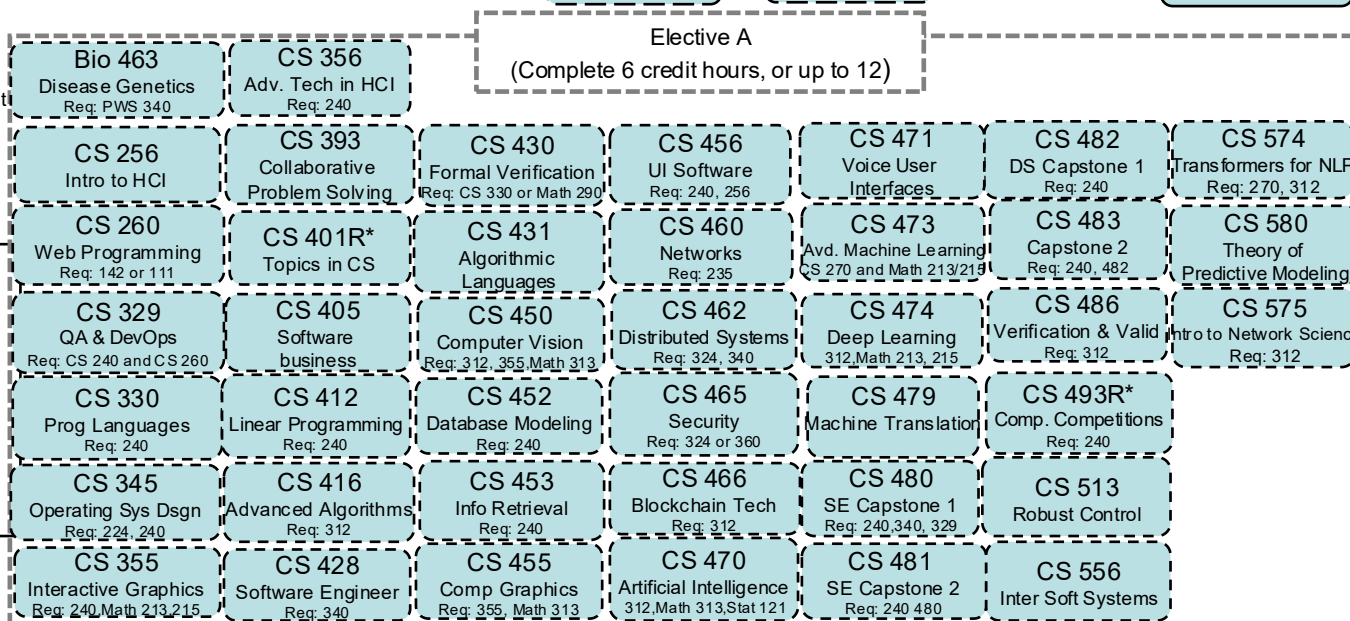
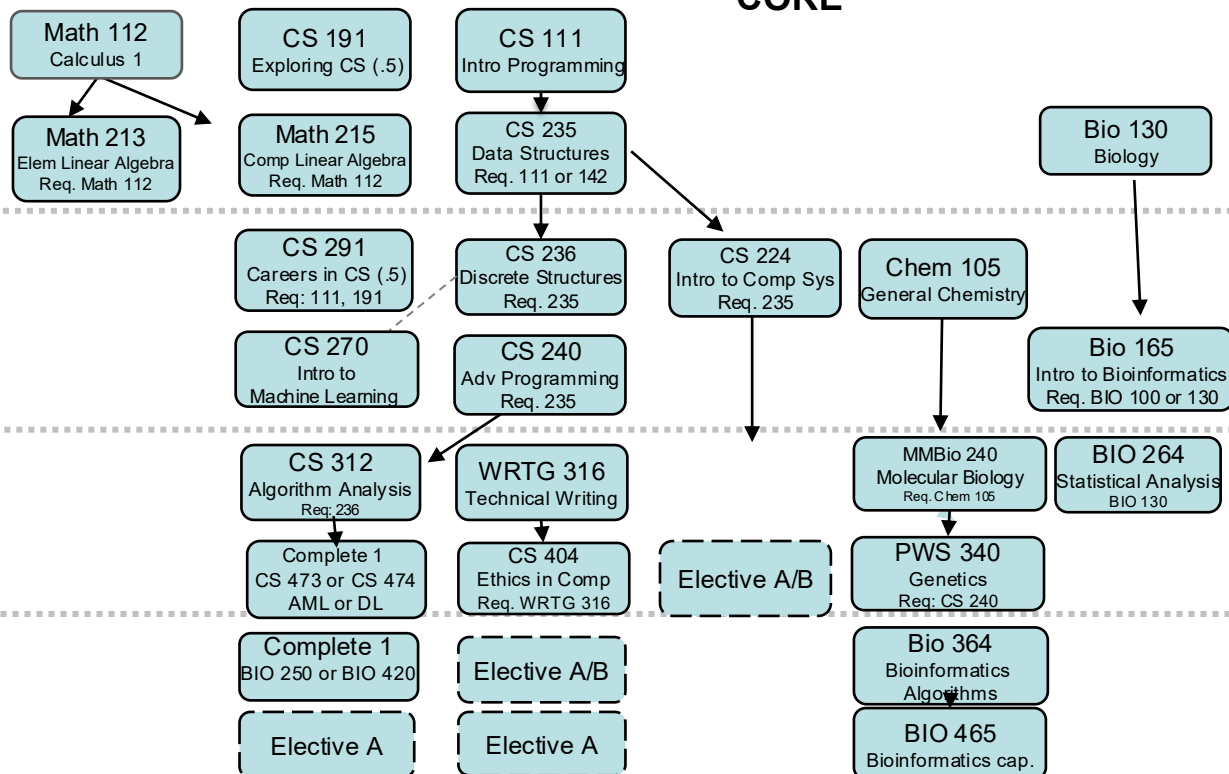
A. Complete 9 to 12 credit hours from the following: BIO 463, CS 256, 260, 329, 330, 345, 355, 356, 393, 401R, 405, 412, 428, 430, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 473, 474, 479, 480, 481, 482, 483, 486, 493R, 513, 556, 574, 575, or 580

B. Complete up to 6 hours
CS 497R*, 498R*

**Courses may not double count requirements 5 and 6

CORE

Freshman
Semester 1
Sophomore
Semester 2
Semester 3
Semester 4
Junior
Semester 5
Semester 6
Semester 7
Semester 8
Senior



* Must be taken for 3 hours to fill the requirement

Updated 7/15/2025

Key

- Elective classes
- Core classes
- Prerequisite
- May be taken concurrently

Bioinformatics Emphasis

(81 Credit Hours)
Fall 2024 Requirements

1. Grades below C- are not allowed in major courses.

Core Course Requirements (85 Hours)

- Complete the following 10 courses: CS 111, 191, 224, 235, 236, 240, 270, 291, 312, 404,
- Complete the following 7 courses: BIO 130, BIO 165, BIO 264, BIO 364, BIO 465, MMBIO 240, PWS 340
- Complete the following 5 courses: CHEM 105, Math 112, Math 213, Math 215, WRTG 316
- Courses cannot double count between Complete 1 courses: BIO 250 or BIO 420
- Complete 1 course: CS 473 or CS 474**
- Complete 12 total hours from the following:

A. Complete 9 to 12 credit hours from the following: BIO 463, CS 256, 260, 329, 330, 345, 355, 356, 393, 401R, 405, 412, 428, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 473, 474, 479, 480, 481, 482, 483, 486, 493R, 513, 556, 574, 575, or 580

B. Complete up to 6 hours
CS 497R*, 498R*

* Must be taken for 3 hours to fill the requirement

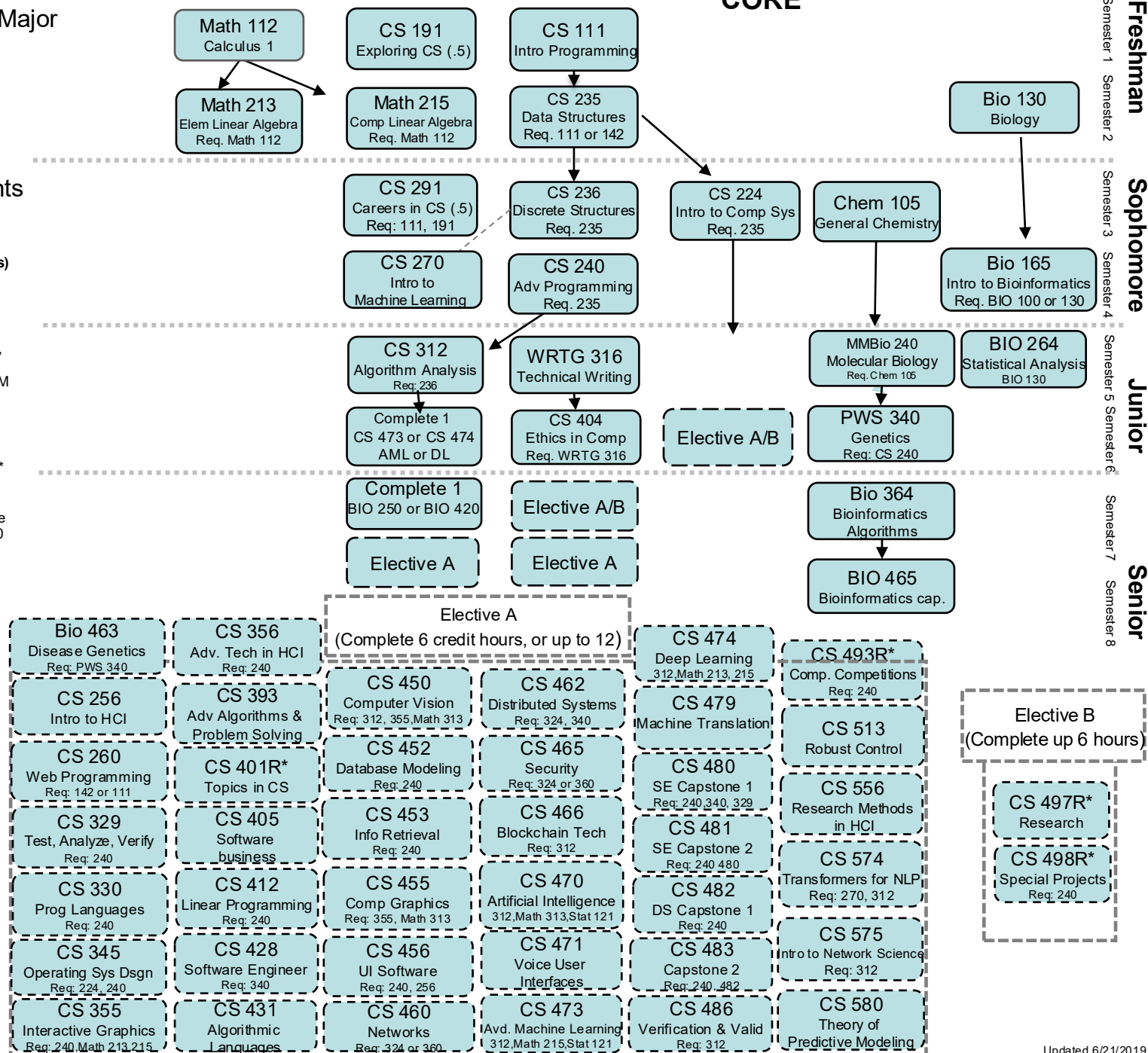
** Courses may not double count between requirements 5 and 6

Key

- Elective classes
- Core classes
- Prerequisite
- May be taken concurrently

Guide only – Consult MyMap for your major/minor requirements

CORE



Bioinformatics Emphasis

(79 Credit Hours)
Fall 2023 Requirements

1. Grades below C- are not allowed in major courses.

Core Course Requirements (85 Hours)

- Complete the following 8 courses: CS 111, 224, 235, 236, 240, 312, 324, 404.
- Complete the following 7 courses: BIO 130, BIO 165, BIO 264, BIO 364, BIO 465, MMBIO 240, PWS 340
- Complete the following 6 courses: CHEM 105, Math 112, Math 213, Math 215, WRTG 316
- Courses cannot double count between Complete 1 courses: BIO 250 or BIO 420
- Complete 1 course: CS 472 or CS 474**
- Complete 12 total hours from the following:

A. Complete 9 to 12 credit hours from the following: BIO 463, CS 256, 260, 329, 330, 345, 355, 356, 393, 401R, 405, 412, 428, 431, 450, 452, 453, 455, 456, 460, 462, 465, 466, 470, 471, 472, 474, 479, 480, 481, 482, 483, 486, 493R, 513, 575, 580

B. Complete up to 6 hours
CS 497R*, 498R*

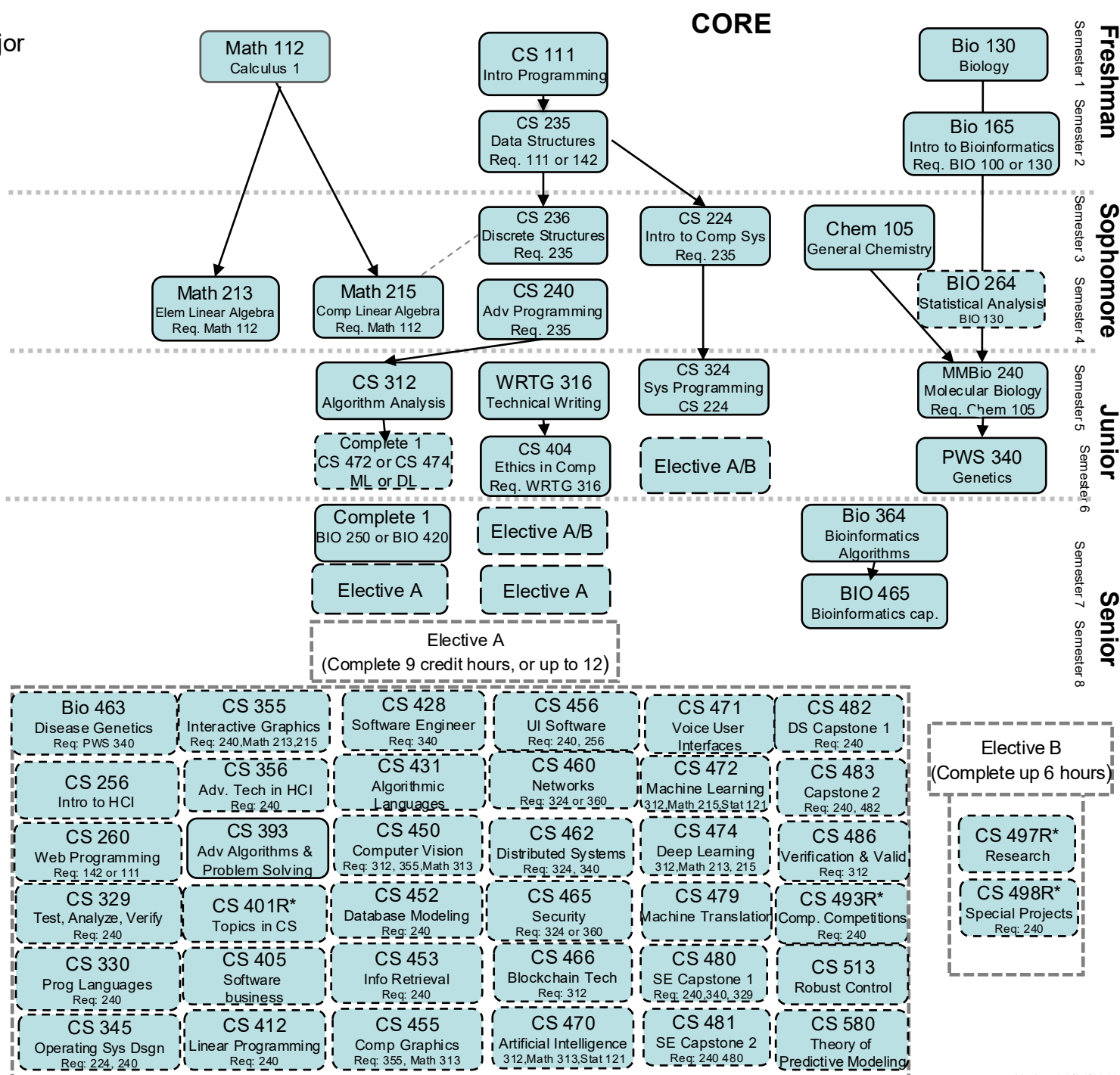
* Must be taken for 3 hours to fill the requirement

** Courses may not double count between requirements 5 and 6

Key

- Elective classes
- Core classes
- Prerequisite
- May be taken concurrently

Guide only – Consult MyMap for your major/minor requirements



- B. Complete 0-2 elective courses
CS 497R*, 498R*

** Courses may not double count between requirements 5 and 6

Elective classes

Core classes

Prerequisite

May be taken
concurrently

