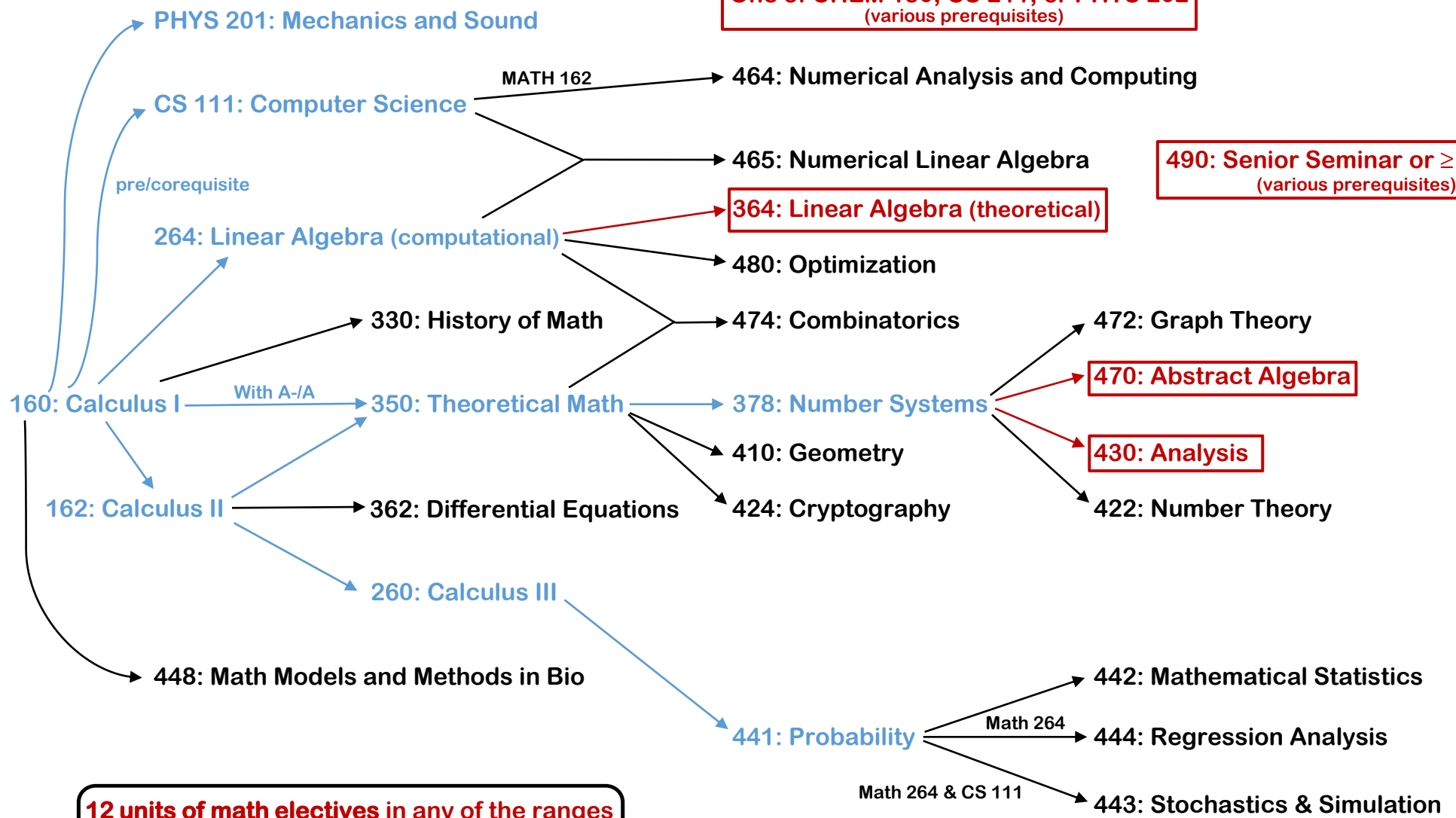


# Mathematics Core + **General Option** + Possible Electives

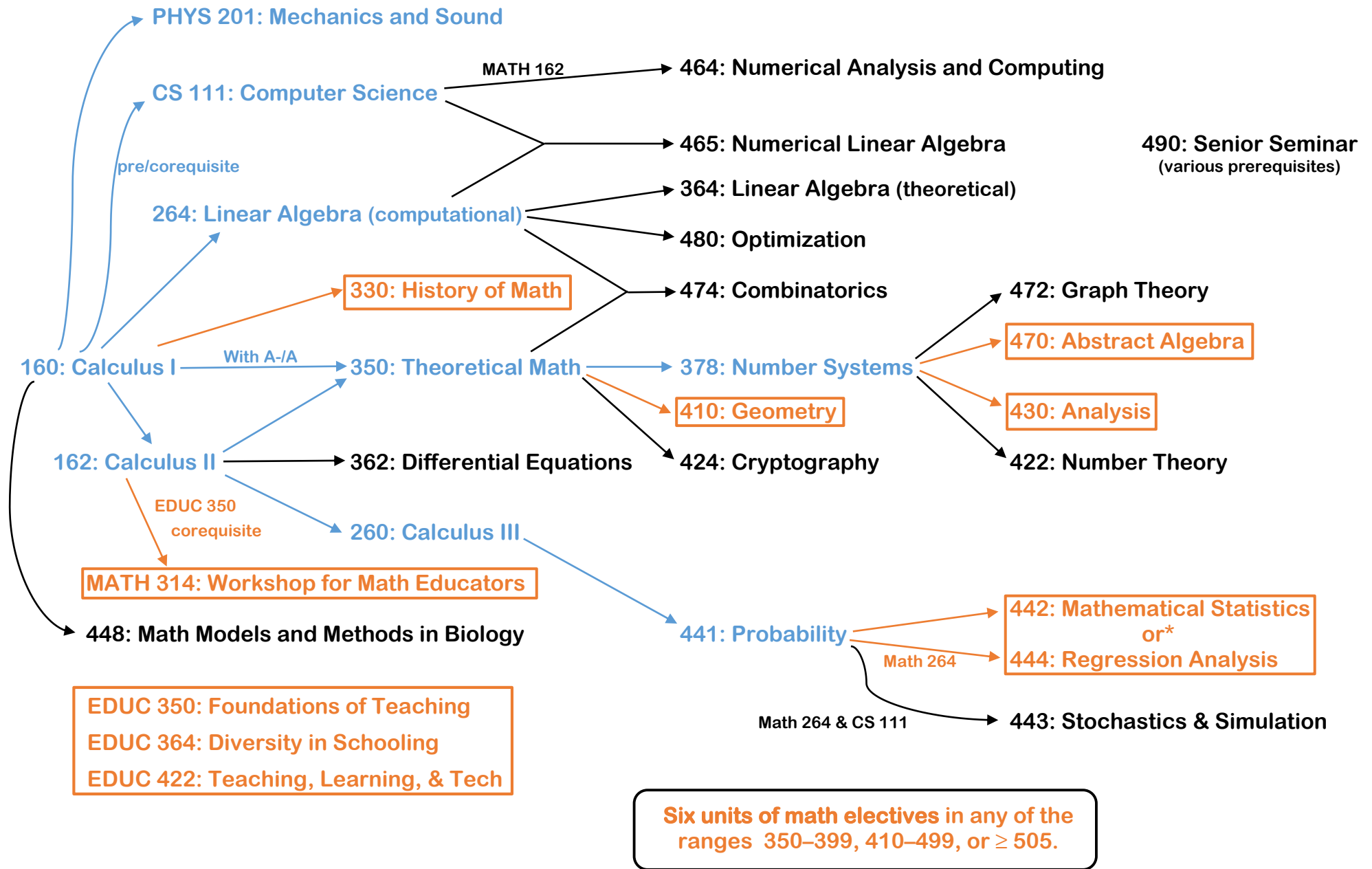
One of CHEM 150, CS 211, or PHYS 202  
(various prerequisites)

490: Senior Seminar or  $\geq 505$   
(various prerequisites)



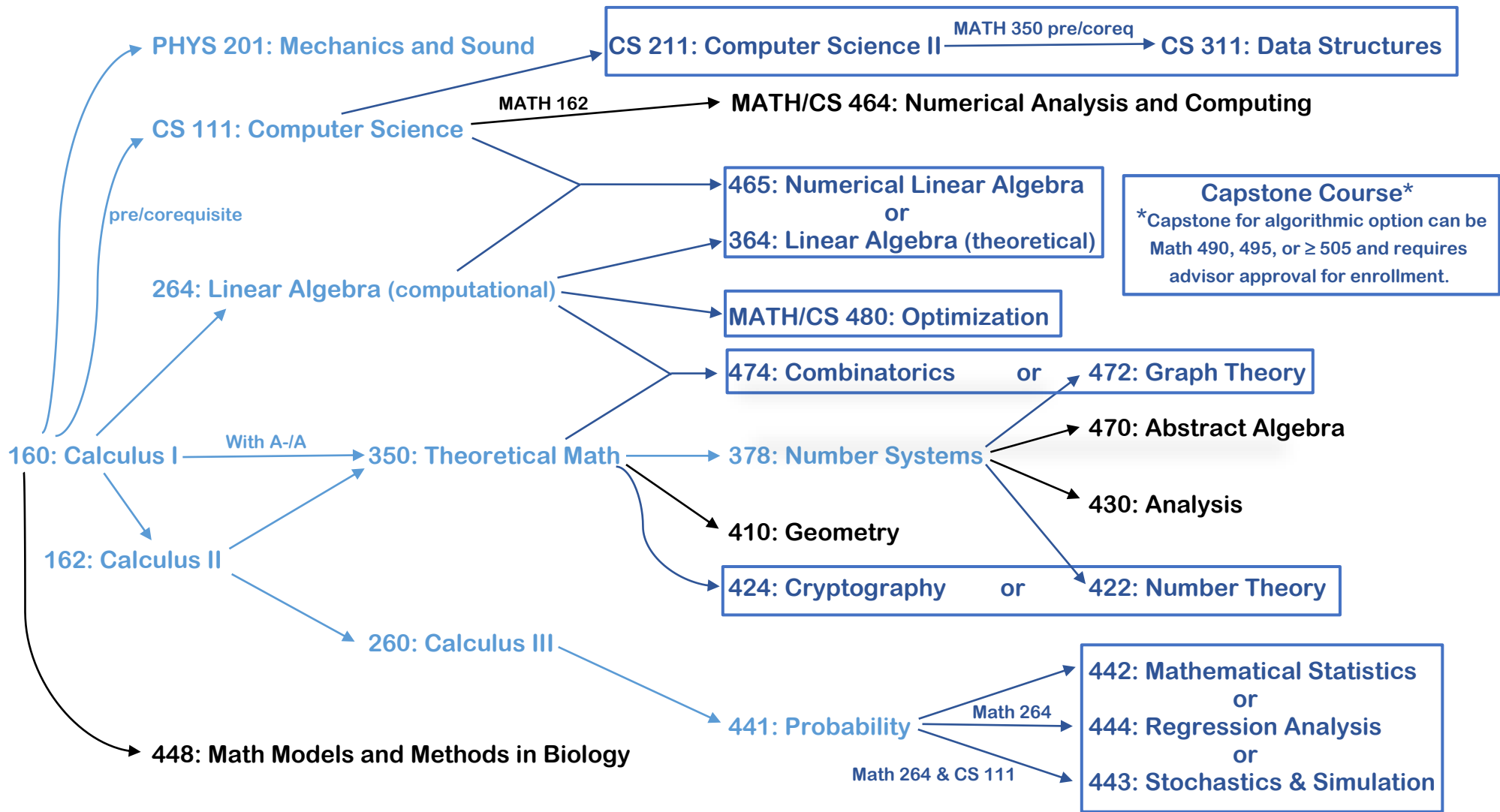
**12 units of math electives in any of the ranges  
330, 362, 410–499, or  $\geq 505$ .**

# Mathematics Core + **Education Option** + Possible Electives



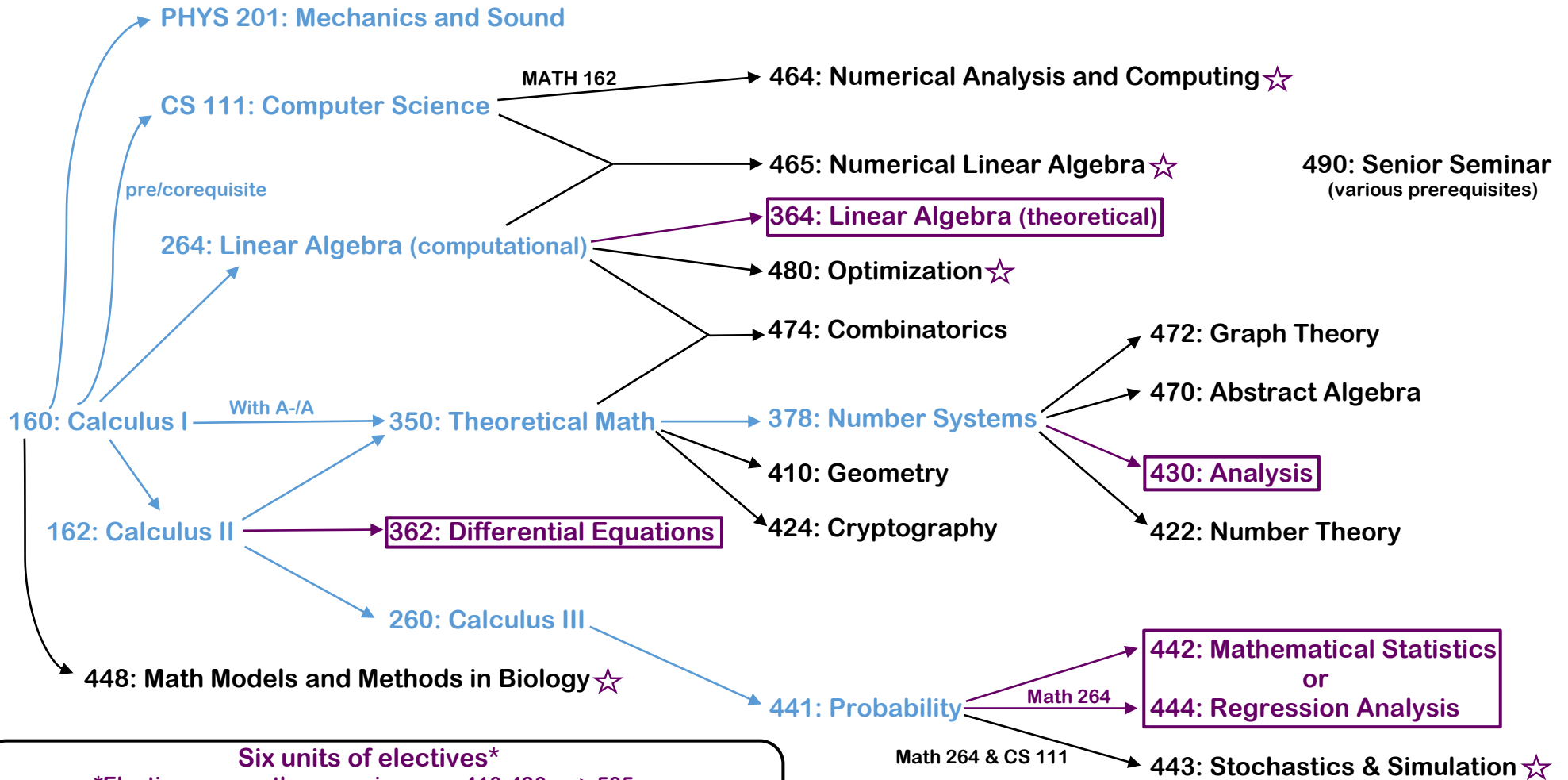
\*In place of MATH 442/444 students can substitute MATH 242: Stats and an additional 3 units of MATH electives numbering 410–499 or ≥ 505.

# Mathematics Core + **Algorithmic Option** + Possible Electives



**Six units of electives†**  
 †Electives for the algorithmic option are Math 410-490, Math 505 and higher, and CS 440, 464, 471, 473, and 478.

# Mathematics Core + **Applied Option** + Possible Electives



## Six units of electives\*

\*Electives are math course in range 410-490 or  $\geq 505$ .

With Math advisor approval, Physics emphasis may sub a PHYS course  $\geq 400$ , and Chem/Bio emphasis may sub a CHEM/BIO course  $\geq 400$ .

☆ Electives must include at least one of Math 443, 448, 464, 465, or 480.

## Physics Emphasis†

**PHYS 202 (4)**

**PHYS 203 (4)**

**PHYS 270 (3)**

**PHYS 320 or 321 or 323 or 324 (3)**

## Chemistry/Biology Emphasis†

**Chem 150 + Chem 150L (4+1)**

**Chem 160 (3), Chem 201 + Chem 201L (3+1)**

**Biol 210 (4)**

**Biol 211 (4), Biol 212 (3), Biol 215 (4)**

†Students choose an emphasis and take 11-13 credits from among the boxed courses. Credits are indicated with parentheses. **Bolded** courses are prerequisites, but not all prerequisites are indicated.