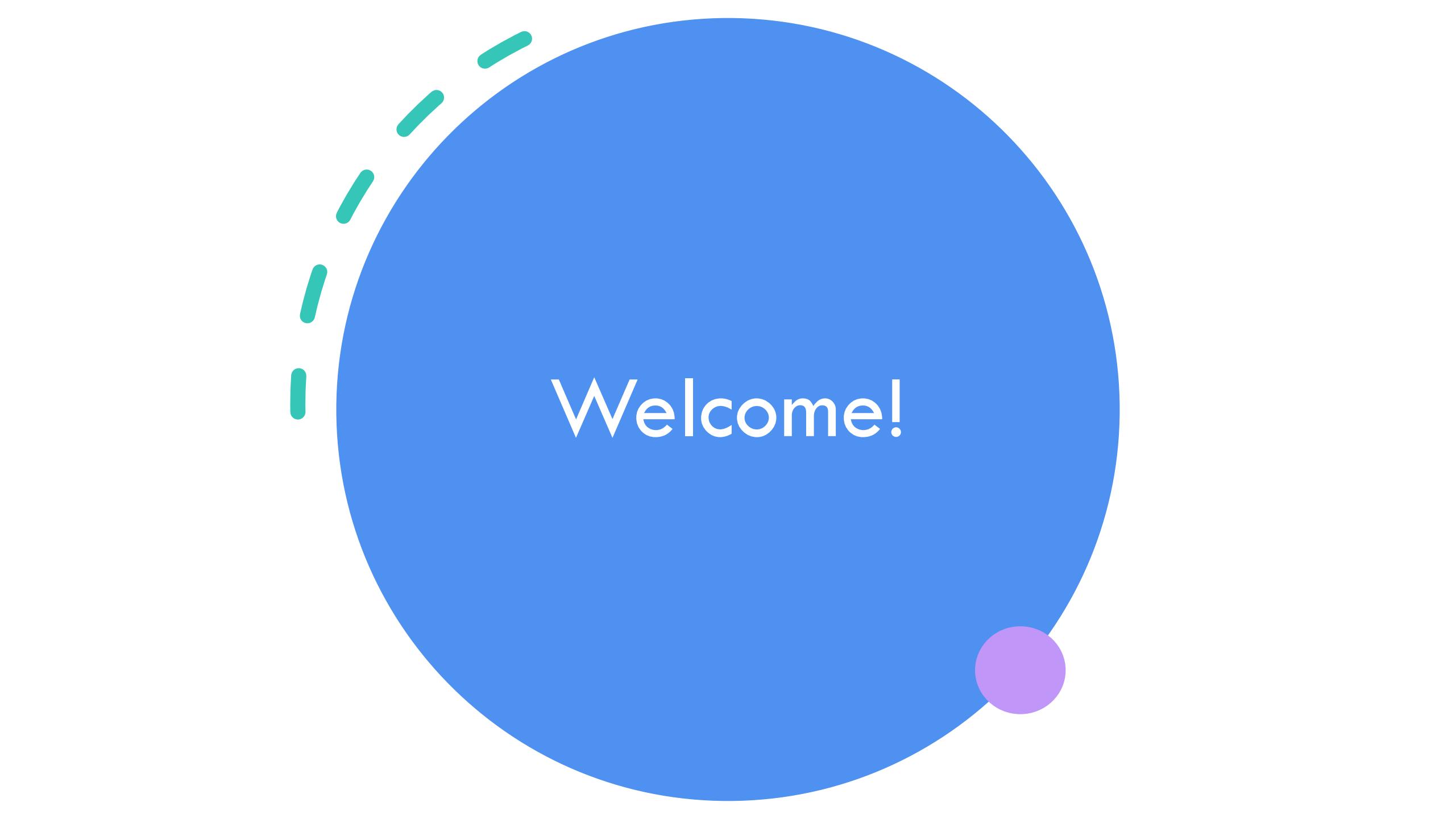


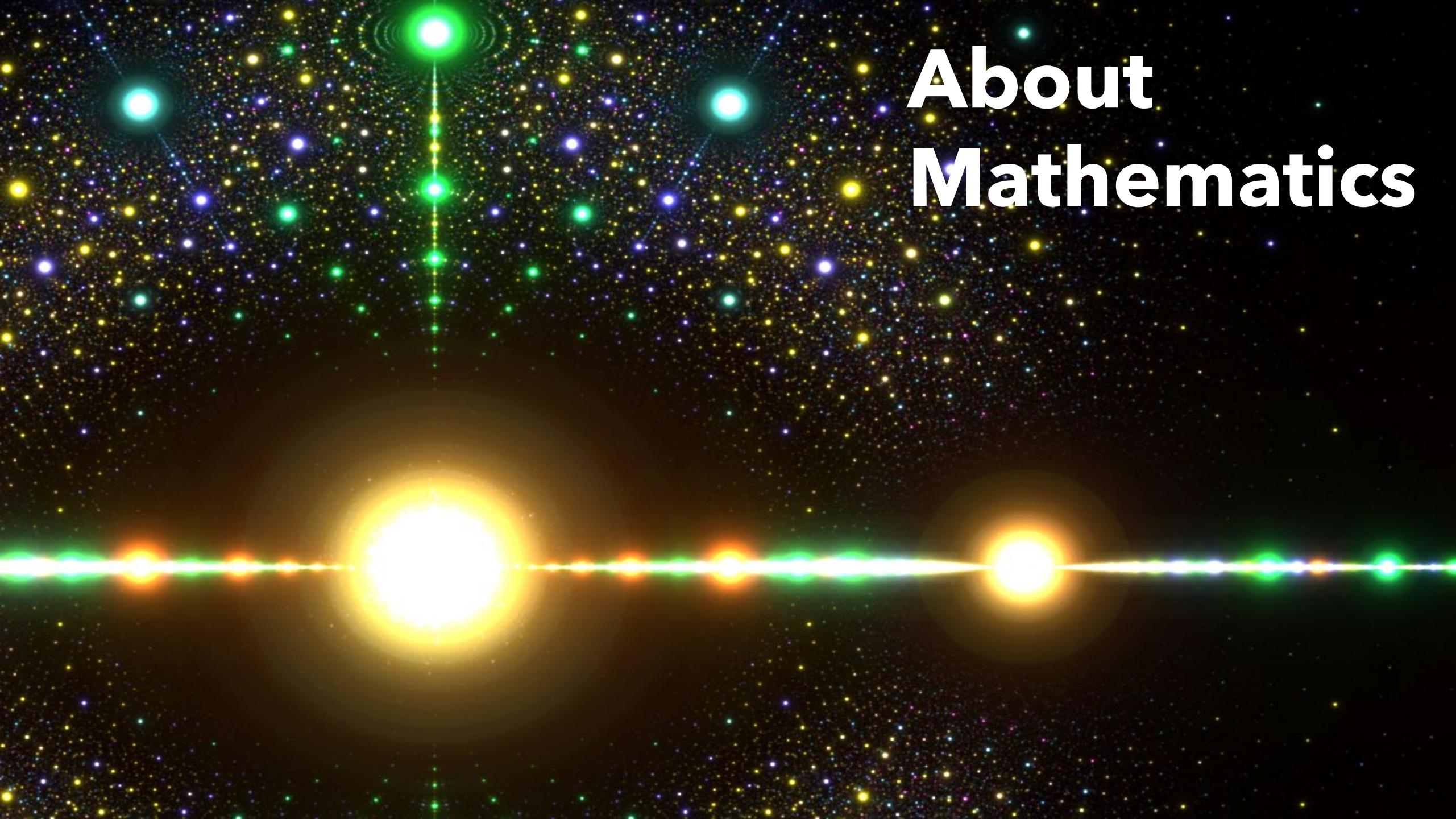


Mathematics at CSUSM

Drs. Mike Picollelli, Amber Puha, and Hanson Smith



Welcome!



About Mathematics

Career Choices

Teaching K-12

Teaching Higher Ed.

Industry (data science, actuary,
engineer-adjacent, etc.)

Government (economics,
codes and information, NSA, etc.)

Course Work



LOWER-DIVISION

Math 110: Critical Thinking for A3
Math 105/5: College Algebra or
Math 125: Precalc or Math 160: Calc I

OPTIONAL Placement exam

70+: Math 160
50+: Math 125

NORDSON INNOVATION LAB





Course Work

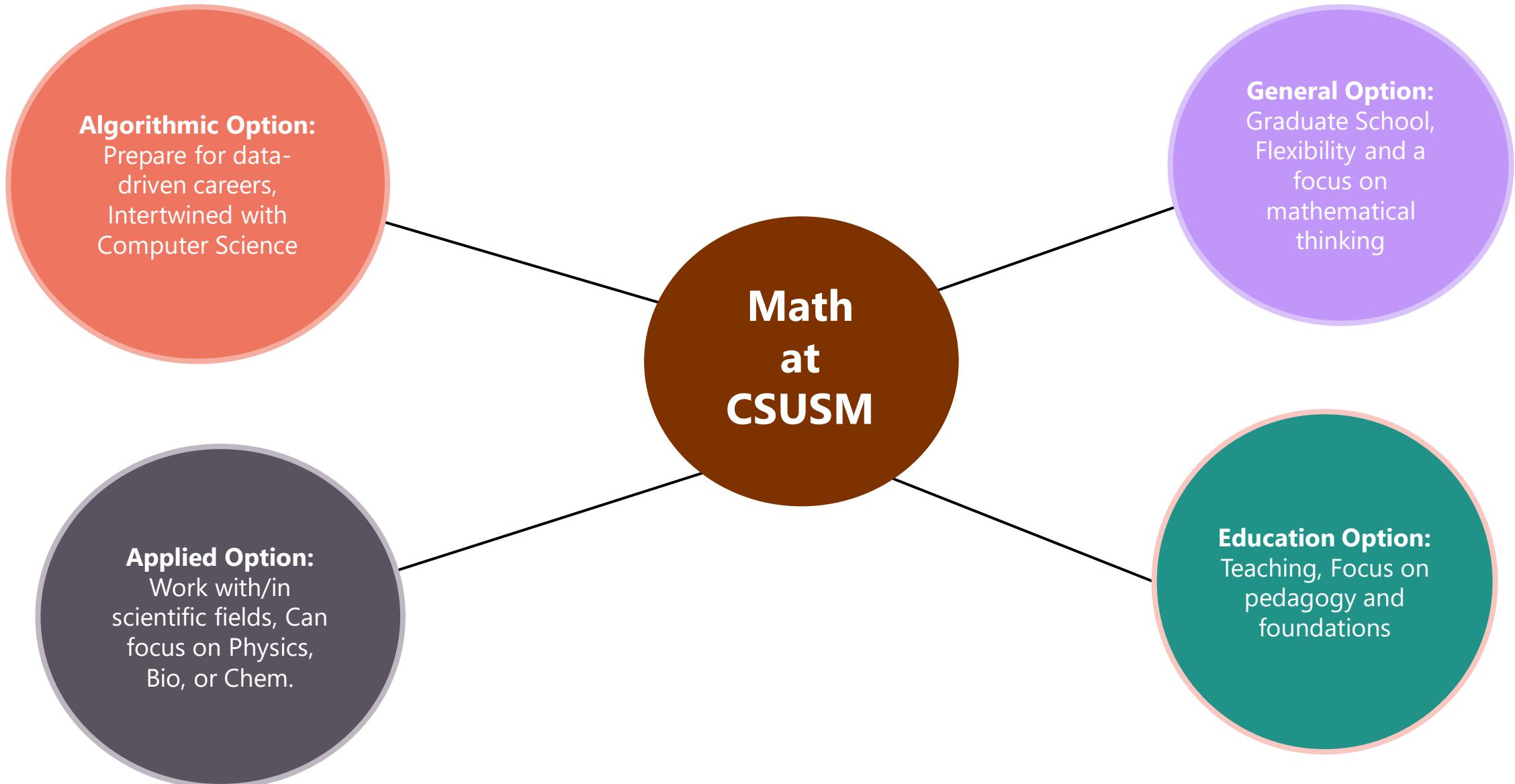
Upper Division Options and Key Courses



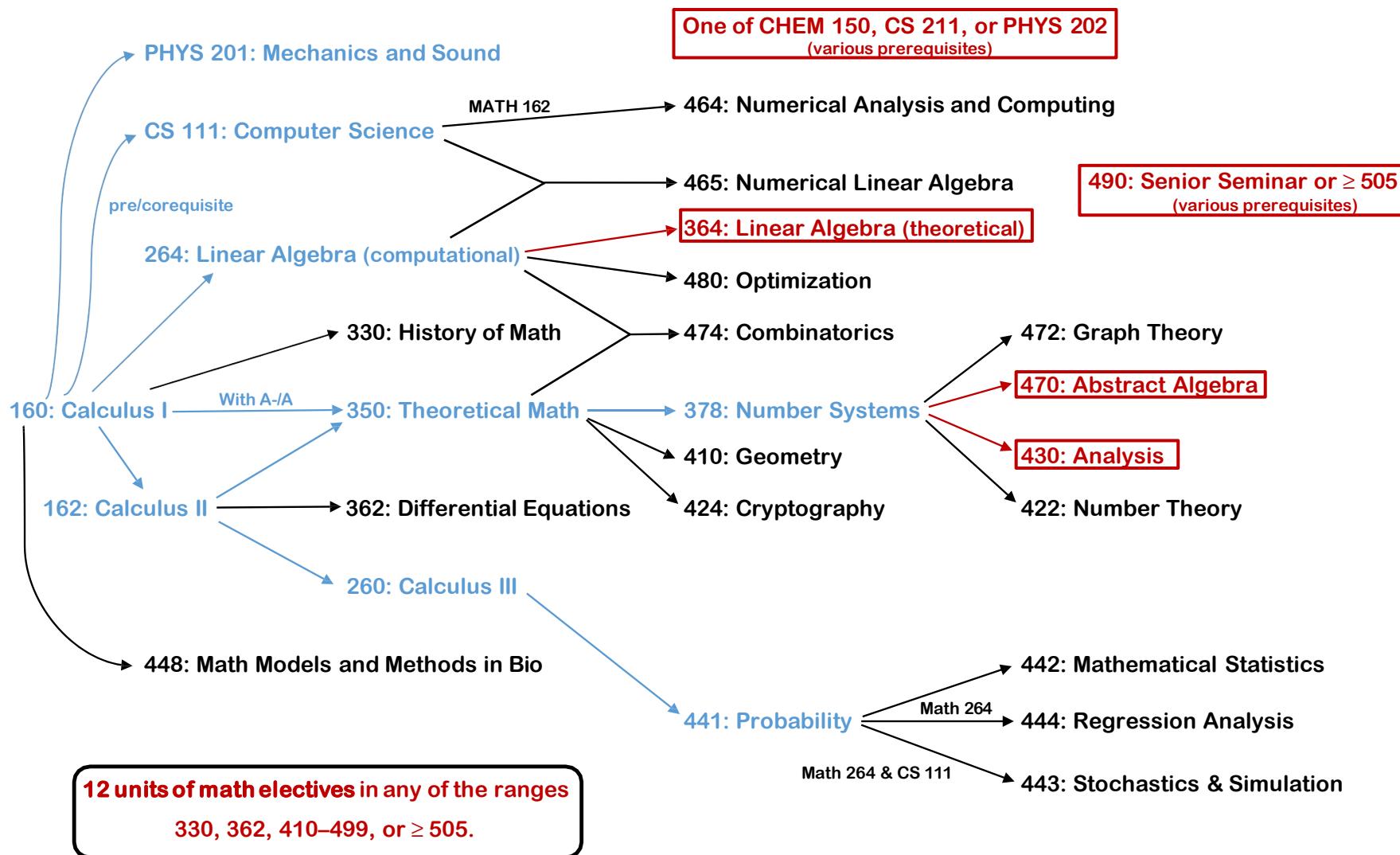
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Mathematics at CSUSM

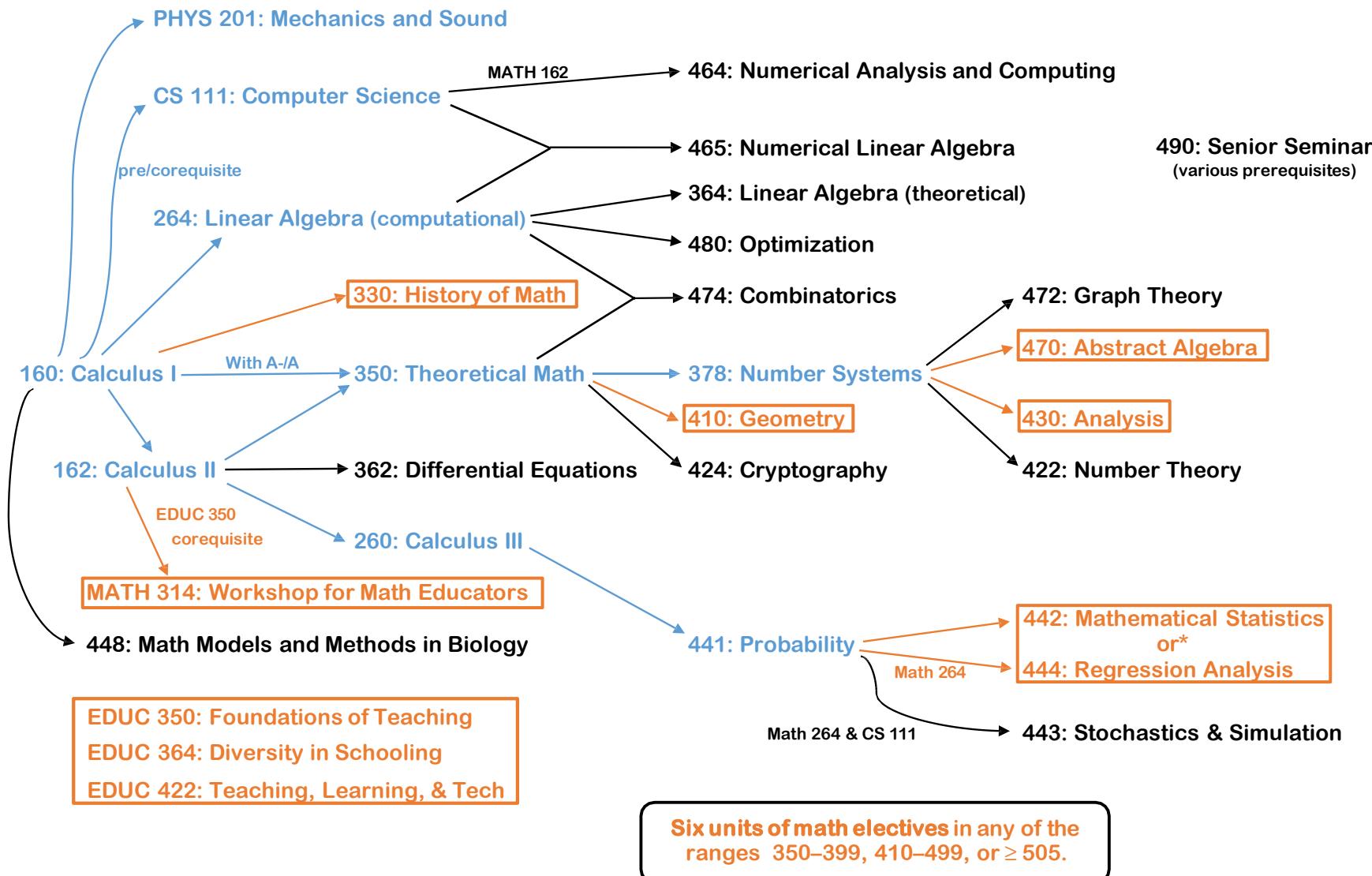
The Math Options at CSUSM



Mathematics Core + General Option + Possible Electives

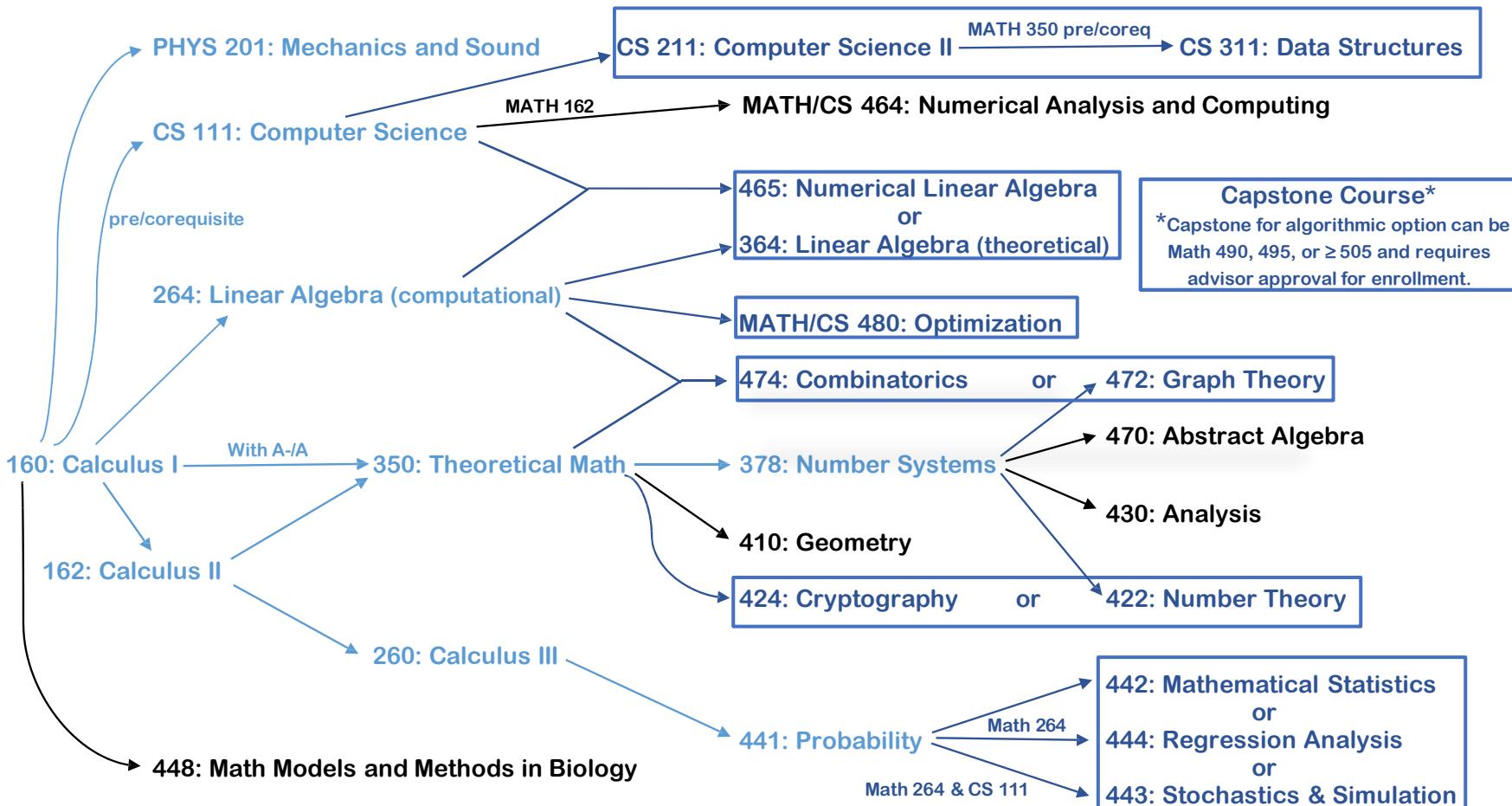


Mathematics Core + Education Option + Possible Electives



*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

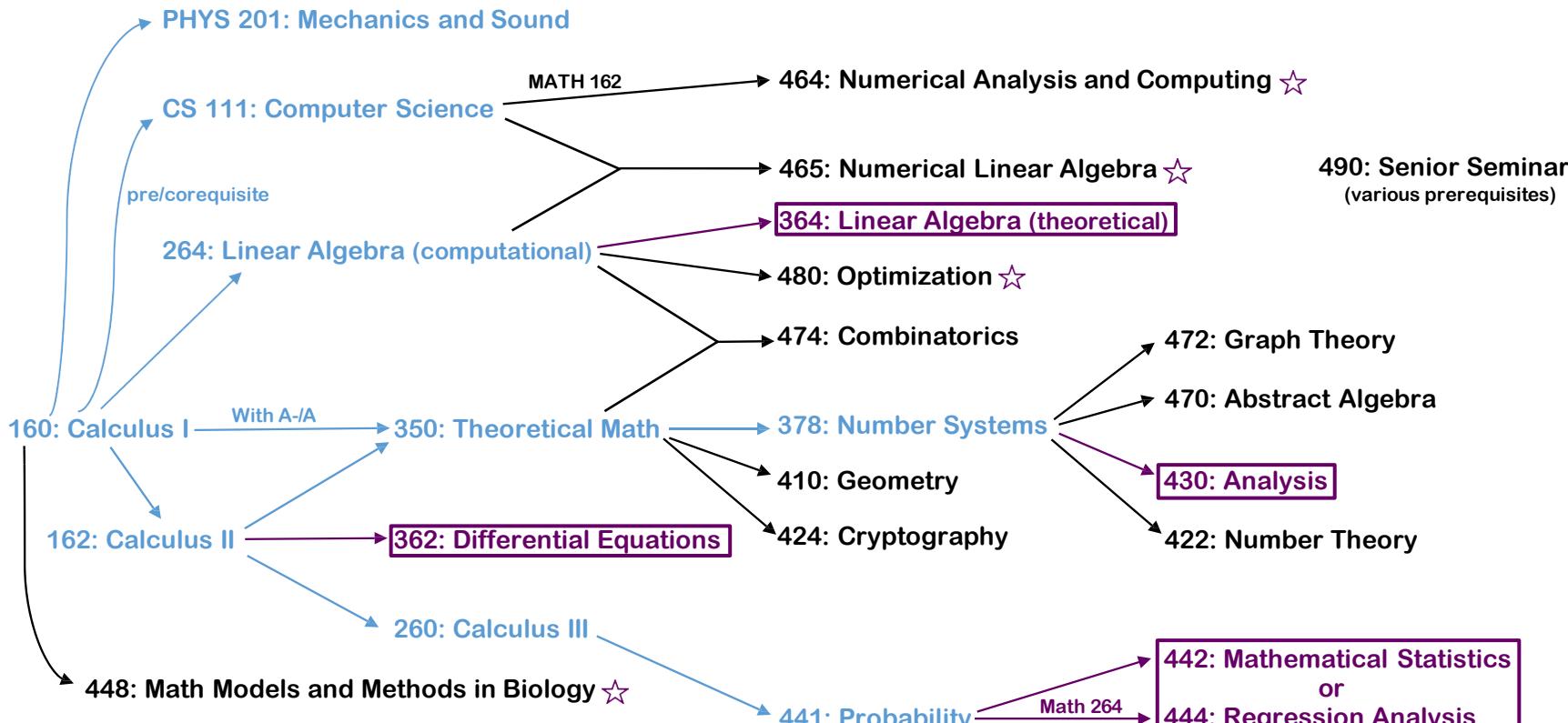


Six units of electives†

†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 ≥ 505 .
With Math advisor approval, Physics emphasis may sub a PHYS course ≥ 400 ,
and Chem/Bio emphasis may sub a CHEM/BIO course ≥ 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)**

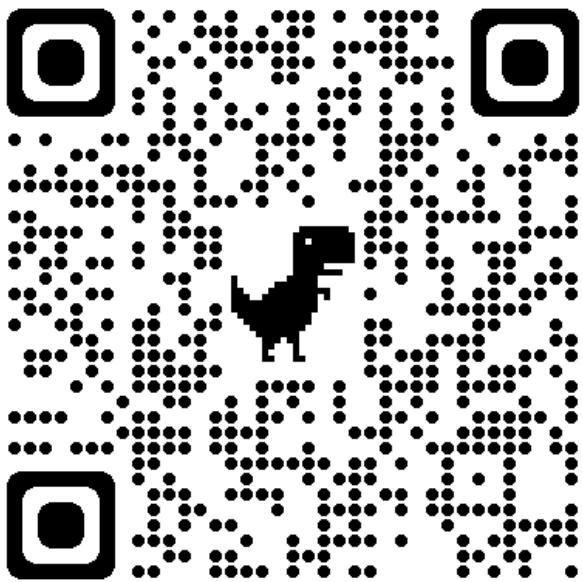
Chemistry/Biology Emphasis†

- 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.

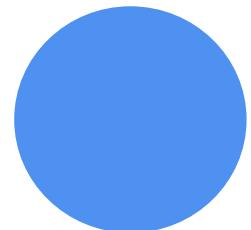
Advising and Mentorship

- [Worksheets](#) & degree planner
- Faculty Mentorship:



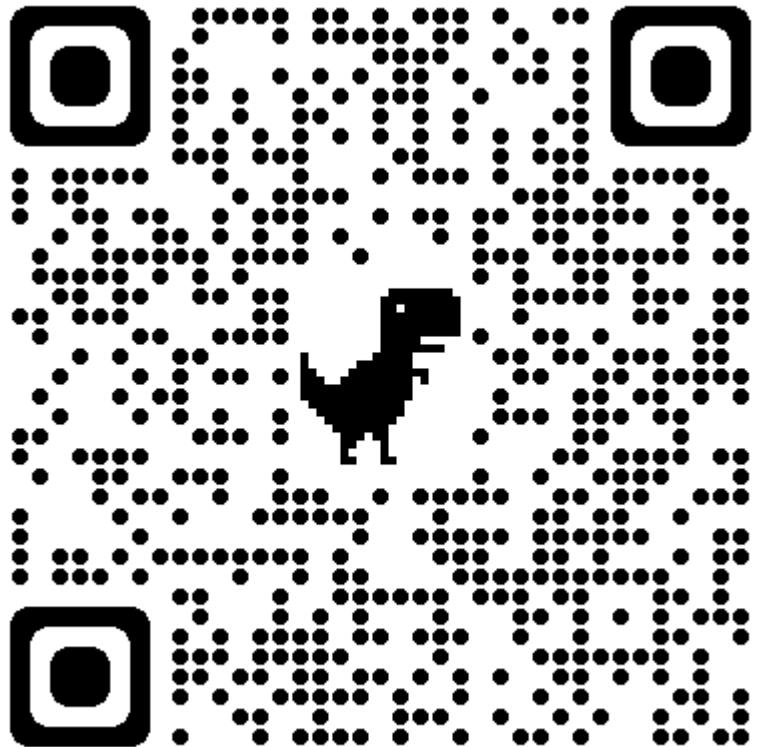
- Professional Mentorship

First Letter of Last Name	Faculty Advisor
A-E	Dr. Andre Kundgen
F-J	Dr. David Chien
K-N	Dr. Hanson Smith
O-R	Dr. Michael Picollelli
S-Z	Dr. Shahed Sharif

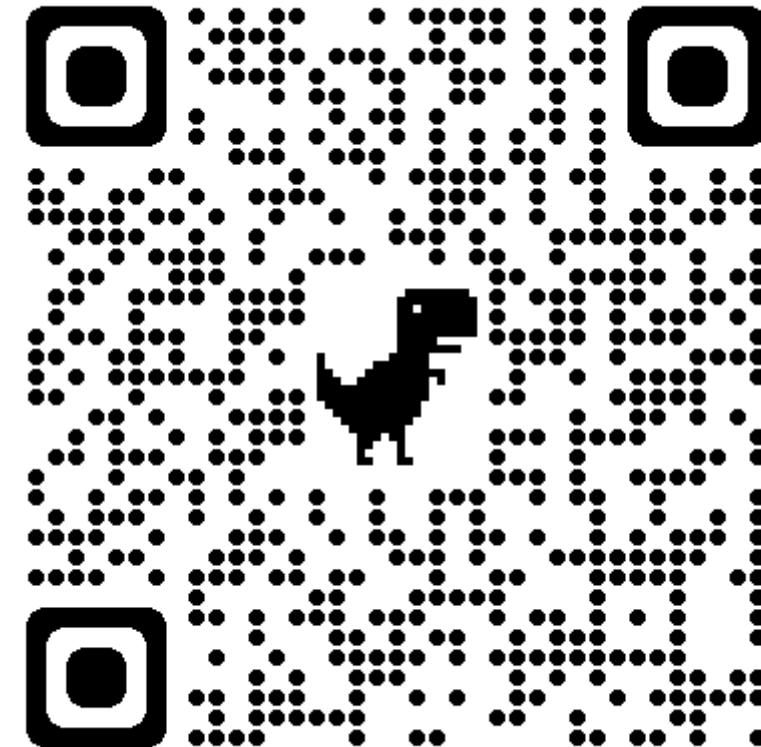




Teaching and Research



Student Opportunities



Teaching Specific

Clubs and Events

- The Association for Women in Mathematics (AWM)
- San Marcos Informal Math In-person Colloquium (SMIMIC)
- The Math Colloquium at CSUSM
- The Reid Lecture



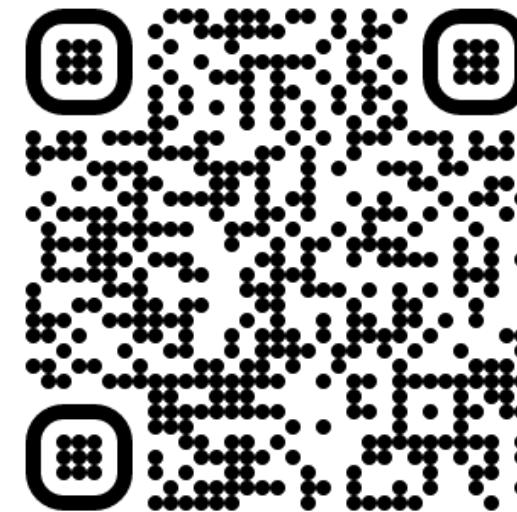
Thank You!

4/18/2023

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Math Department Homepage

Mathematics at CSUSM

19