Major Advising
Bachelor of Science in Mathematics
with an option in:
Applied Mathematics
General Mathematics
Mathematics Education
Statistics
Welcome to the Math Major!

- Around 100 students in a Math Major
- Careers: industry, research, teaching, government, data science, financial analyst, broad application
- MS in Data Science launching FA 24; pending MS in Mathematics slated for FA25 launch
Student Life

- Connection in the Major
  - Math Club
  - Math Colloquiums (guest lectures)
  - College of Natural Science Sessions
  - Summer Research
  - REU/RET
  - Putnam
  - DataFest
  - Community Coding
About the Department

• Department of Mathematics & Statistics in **Holt Hall, Room 101**
  • Department Chair: Dr. Kevin McGown
  • First Year Math Coordinator: Jennifer McKee
  • Support Staff: Stacey Shadoan and Carolina Heredia
  • Student Staff: Nick and Daeja

• **Visit us for:**
  • Major, minor, or certificate declaration
  • Enrollment assistance
  • Advising support
  • Calculator loans
  • Lost and found

• **Department Website:** [https://www.csuchico.edu/math/index.shtml](https://www.csuchico.edu/math/index.shtml)
Major Advisors

• Major advisors are math faculty
• Determined by option
• Assigned in the first month of the semester; check your Student Center for your assignment
• Course selection, option advising, preparation for credential/graduate school, elective choices, strategies for success in courses
• At least once a year, preferably once a semester
• Email to schedule; contact information on website
Available Resources

• Math Learning Lab: MLIB 4th Floor (drop-in tutoring)
• Embedded tutors
• Office hours
• Problem sessions sections
• Student Learning Center (scheduled tutoring)
• College of Natural Science Success Lab (Science Building, Room 450)
• Online: ALEKS PPL, Khan Academy, Purple Math, You Tube, private tutoring, upper division students, Math Club
Major Curriculum

- **BS in Mathematics**
  - Low unit major (49-54), mostly upper division
  - Math core and option courses
    - *Four options: Applied, General, Education, Statistics*
  - Has specific sequences and fall/spring only
    - Pay attention to scheduling/sequence
  - GE modifications:
    - **MATH 330W = UD-B in GE Pathway**
    - **MATH 330W & MATH 420W (Writing Intensive)**
  - Consider: minor in field of interest (CSCI, PHYS, CHEM, Engineering, BADM)

Double major, double option, certificates, graduate school, credential

- Pre-credential coursework: EDTE 255, EDTE 302, EDTE 530, ENGL 471

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**Course Requirements for the Major: 49-54 units**

Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree. Courses in this program may complete more than one graduation requirement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 120</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 121</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 122</td>
<td>Analytic Geometry and Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MATH 231</td>
<td>Elementary Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 330W</td>
<td>Methods of Proof (W)</td>
<td>3</td>
</tr>
<tr>
<td>MATH 350</td>
<td>Introduction to Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 420W</td>
<td>Advanced Calculus (W)</td>
<td>3</td>
</tr>
</tbody>
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**Computer Literacy**

- Select one of the following:
  - CSCI 111: Programming and Algorithms I
  - MATH 220: An Introduction to Computational Mathematics

**Major Option**

- Select one of the following options:
  - Applied Mathematics
  - General Mathematics
  - Mathematics Education
  - Mathematics Education - Credential Path

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California State University Chico
Fall 2024 Courses: Core

- **MATH 120** = ALEKS PPL
- **MATH 121 -> MATH 330W**
  - Not all require 121/330W as prereqs but, most do
- **CSCI 111**
- **MATH 235 -> Spring**
Fall 2024 Courses: Option

Option Specific Priorities:
Math Ed: MATH 341 (FA), 195 (P)
General: If 217/interest -> 337 (FA)
Applied: MATH 260 \(\rightarrow\) 361 (FA)
Statistics: MATH 350

Fall 2024 UD Offerings:

**MATH 465

Pre-credential:
EDTE 255, EDTE 302, EDTE 530, ENGL 471

Fall 2024
1. MATH Core
2. MATH Core or Option
3. MATH Option
4. MATH or GE
5. GE

GE UD Pathway
UD-B= MATH 330W
UD-C*
UD-D*
*double count USD/GC if needed
Questions?
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Mathematics & Statistics
kmcgown@csuchico.edu
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