

# Mathematics Major

Bachelor of Arts in Math Single Subject Teaching

Advisor: April Mazon  
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Student Name: \_\_\_\_\_ Red Id: \_\_\_\_\_  
Email: \_\_\_\_\_ Telephone #: \_\_\_\_\_

**Lower Division General Education (GE):**

Certified: Yes/No

**PREPARATION FOR THE MAJOR 22 UNITS (7 Courses)**

| SDSU COURSE   | EQUIVALENT Semester Grade | UNITS<br>22 |
|---|---------------------------|-------------|
| Math 150- <i>Calculus I</i>   |                           | 4           |
| Math 151- <i>Calculus II</i>  |                           | 4           |
| Math 245- <i>Discrete Mathematics</i>   |                           | 3           |
| Math 252- <i>Calculus III</i>   |                           | 4           |
| Math 254- <i>Intro to Linear Algebra</i>  |                           | 3           |
| Stats 250- <i>Statistical Principles and Practices</i>  |                           | 3           |
| TE 362 in lieu of TE 211A- <i>Field Experience in Mathematics and Science</i> - Offered in Spring |                           | 1           |

|   |                    |
|---|--------------------|
| <b>WRITING PROFICIENCY ASSESSMENT(WPA)</b>            | <b>Score</b> _____ |
| Exempt: Yes/No  |                    |
| Basic Writing Course <b>RWS 280</b> : Yes/No          |                    |
| Upper Division Writing Course <b>RWS 305</b> : Yes/No |                    |

**FOREIGN LANGUAGE REQUIREMENT:**

Competency (successfully completing the third college semester or fifth college quarter) is required in one foreign language to fulfill the graduation requirement. Refer to the section of this catalog on "Graduation Requirements."

**MAJOR REQUIREMENTS A Minimum of 25 UNITS (8 Courses)**

| <b>UPPER DIVISION CORE CLASSES:</b>  | <b>SEMESTER</b> | <b>GRADE</b> | <b>UNITS</b> |
|--|-----------------|--------------|--------------|
| <b>Math 302-</b> <i>Transition to Higher Mathematics</i> - Offered in Fall   |                 |              | 3            |
| <b>Math 303-</b> <i>History of Mathematics</i> - Offered in Spring   |                 |              | 3            |
| <b>Math 320-</b> <i>Abstract Algebra</i> - Offered in Fall   |                 |              | 3            |
| <b>Math 330-</b> <i>Advance Calculus</i> - Offered in Fall   |                 |              | 3            |
| <b>Math 341-</b> <i>Mathematics Software Workshop</i> - Offered in Fall  |                 |              | 3            |
| <b>Math 414-</b> <i>Mathematics Curriculum and Instruction</i> - Offered in Spring   |                 |              | 3            |
| <b>Stats 550-</b> <i>Applied Probability</i> - Offered in Fall   |                 |              | 3            |
| <b>Math 508 or 510</b> (Math 510 offered at IV in Spring)  |                 |              | 3            |
| <b>3 units of electives in Math:</b> <i>Excluding Math 312, Math 313 and Math 413 (Math 524 Linear Algebra - offered in Spring )</i> |                 |              | 3            |

**NOTE: Applicants to some credential programs such as SDSU also need to take (IV: ED 451, TE 402, SPED 500)**

| <b>UPPER DIVISION Course in Geometry: Chose 1 Course (Math 510 -Offered in Spring)</b> | <b>SEMESTER</b> | <b>GRADE</b> | <b>UNITS</b> |
|--|-----------------|--------------|--------------|
| <b>Geometry Course:</b>  |                 |              | 3            |

**NOTE: At least one course selected from the Explorations area must be a course in cultural diversity.**

| <b>UPPER DIVISION GENERAL EDUCATION: EXPLORATIONS(ABC'S)</b> | <b>CLASS</b> | <b>SEMESTER</b> | <b>GRADE</b> | <b>UNITS</b> |
|--|--------------|-----------------|--------------|--------------|
| <b>Cultural Diversity (Can be from Area A, B, or C)</b>      |              |                 |              | 3            |
| <b>Area A- Natural Sciences</b>                              |              |                 |              | 3            |
| <b>Area B- Social and Behavioral Sciences</b>                |              |                 |              | 3            |
| <b>Area C- Humanities</b>                                    |              |                 |              | 3            |

**Total Units Required For The Degree: 120**

Units In Progress: \_\_\_\_\_ Units Remaining: \_\_\_\_\_

THIS FORM IS JUST A GUIDELINE AND DOES NOT SUPPLANT THE GENERAL CATALOG **YOUR GENERAL CATALOG PROVIDES DETAILED ACADEMIC REQUIREMENTS**  
**IT IS YOUR RESPONSIBILITY TO BE AWARE OF YOUR ACADEMIC REQUIREMENTS**

- I acknowledge that I have reviewed the requirements listed above with my academic advisor and am fully aware that I am responsible for fulfilling the academic requirements in order to be eligible for graduation.
- It is my responsibility to come prepared to any academic advising session with my advising sheet when an appointment is set.
- Any delay beyond fifteen (15) minutes to an academic advising session will result in cancellation and rescheduling subject to the availability of the academic advisor.
- Copies of advising recommendations will be provided to me and placed in my academic folder. It is my responsibility to update my own folder as needed and to request assistance for clarification of on academic requirements listed in the general catalog.

\_\_\_\_\_  
Student Date Advisor Date