

Name \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PROGRESS TOWARD COMPLETION OF MAJOR  
 B.A. with concentration in Secondary Teaching  
 Prerequisites and semesters offered follow the course  
 S=Spring; F=Fall; (every semester if not listed)**

This B.A. program satisfies state requirements for subject matter preparation in mathematics for the Single Subject Teaching Credential.

**Required Courses**

		<b>Met</b>	<b>Do</b>
<b>Core:</b>			
Math 161 – Differential and Integral Calculus I (GE, B4) .....	4	_____	_____
Math 180 – Computing for Math/Science (161; F) .....	2	_____	_____
Math 211 – Differential and Integral Calculus II (161).....	4	_____	_____
Math 220 – Reasoning and Proof (161 AND (one subsequent math class or CS 242)).....	4	_____	_____
Math 241 – Linear Algebra with Applications in Differential Equations (211).....	4	_____	_____
Math 340 – Real Analysis I (220 and (241 or 261); F) .....	4	_____	_____

**Concentration:**

Math 250 – Probability and Statistics for Future Teachers (300B or 161; S) .....	2	_____	_____
Math 306 – Number Theory (142 or 200 or 220; S) .....	4	_____	_____
Math 308 – College Geometry (142 or 200 or 220; S) .....	4	_____	_____
Math 310 – History of Mathematics (161; F) .....	4	_____	_____
Math 316 – Graph Theory and Combinatorics (Math 220 or CS 242 or 6 units of Courses numbered 200 or above) <b>or</b>			
Math 416 – Graph Theory and Combinatorics (142 or 200 or 220).....	4	_____	_____
Math 320 – Abstract Algebra I (220; F) .....	4	_____	_____
Math 470 – Mathematical and Statistical Modeling (211; F, UD GE Area B).....	4	_____	_____
Math 390 – Fieldwork and Seminar: Secondary Mathematics Teaching (161; F) .....	2	_____	_____
Math 490 – Capstone Seminar: Secondary Mathematics Teaching (Senior; S).....	1	_____	_____

**Supporting Courses:**

Phys 114 – Intro to Physics (161, GE, B1) .....	4	_____	_____
---	---	-------	-------

**Total units in secondary teaching program..... 55**  
 ..... (incl. 12 in GE)

**Single Subject Credential Program Prerequisites:**

EDUC 417 – School and Society (UD GE Area D).....	3	_____	_____
EDSS 418 – Learning and Development in Adolescents.....	3	_____	_____

**NOTES:** Students considering graduate school in mathematics are advised to also take Math 322 (Linear Algebra).