PROGRESS TOWARD COMPLETION OF MAJOR
B.A. with concentration in Secondary Teaching ('14-'16 catalog)
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
Core:
- Math 161 – Differential and Integral Calculus I (GE, A4) ........................................ 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); GE A3) ................................. 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 (142 or 200 or 220) or
  Math 416 – Graph Theory and Combinatorics (142 or 200 or 220)............... .......... 4
- Math 320 – Modern Algebra I (220; F) ................................................................. 4
- Math 470 – Mathematical and Statistical Modeling (211; F) .............................. 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 (GE; 161) ................................................................. 4

Total units in secondary teaching program.......................................................... 55

(incl. 12 in GE)

Single Subject Credential Program Prerequisites:
- EDUC 417 – School and Society (GE D1)......................................................... 3
- EDSS 418 – Learning and Development in Adolescents (GE E)............................. 3

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