

Mathematics Program Planner – Secondary Education
Effective 8/03

Freshman:

Fall Semester

- _____ Logic and Axiomatics (Math 127) (3 credits)
- _____ Analytic Geometry & Calculus I (Math 129) (4 credits)
- _____ Intro to CS with JAVA (CS 115) (3 credits)
- _____ Computer Skills: Sciences (CS 101) (1 credit)
- _____ CORE (3 credits)
- _____ FYE (1 credit)

TOTAL: 17 credits

Spring Semester

- _____ Analytic Geometry & Calculus II (Math 130) (4 credits)
- _____ CORE (3 credits)
- _____ CORE (3 credits)
- _____ CORE (3 credits)
- _____ CORE (3 credits)

TOTAL: 16 credits

Sophomore:

Fall Semester

- _____ Analytic Geometry & Calculus III (Math 231) (4 credits)
- _____ Discrete Mathematics (CS 235) (3 credits)
- _____ Physics I or Chem I (3 credits)
- _____ CORE (3 credits)
- _____ CORE (3 credits)

TOTAL: 16 credits

Spring Semester

- _____ Linear Algebra (Math 250) (4 credits)
- _____ Physics II or Chem II (3 credits)
- _____ Foundations of Education (Educ 201) (3 credits)
- _____ Developmental Psychology for Educators (Educ 210) (3 credits)
- _____ Early Field Experience (Educ 266) (1 credit)
- _____ CORE (3 credits)

TOTAL: 17 credits

Junior:

Fall Semester

- _____ Real Analysis I (Math 367) (3 credits)
- _____ Junior Seminar (Math 490) (1 credit)
- _____ Math Elective (3 credits)
- _____ Educational Psychology (Educ 211) (3 credits)
- _____ Computer Applications for Educators (Educ 251) (3 credits)
- _____ Cognate (3 credits)

TOTAL: 16 credits

Spring Semester

- _____ Math Elective (3 credits)
- _____ Math Elective (3 credits)
- _____ Teaching the Exceptional Child (Educ 325) (3 credits)
- _____ Secondary School Reading Skills (Educ 366) (3 credits)
- _____ Cognate (3 credits)

TOTAL: 15 credits

Senior:

Fall Semester:

- _____ Abstract Algebra (Math 425)(3 credits)
- _____ Math Elective (3 credits)
- _____ Classroom Management (Educ 350)(3 credits)
- _____ General & Special Methods of Teaching (Educ 367)(3 credits)
- _____ CORE (3 credits)

TOTAL: 15 credits

Spring Semester

- _____ Multimedia Design (Educ 310) (3 credits)
- _____ Observation & Student Teaching (Educ 467) (10 credits)
- _____ Student Teaching Seminar (Educ 468) (1 credit)

TOTAL: 14 credits

The following are the mathematics electives required of the mathematics/secondary education majors: College Geometry (Math 236), Probability (Math 361), Two Mathematics electives (362 or higher); and specified Education courses in the Teacher Education Program

Finally, mathematics/secondary education majors will satisfy the following science requirements for their B.A.:

- Either PHYS 111 General Physics I (3) and
PHYS 112 General Physics II (3),

or

- CHEM 113 General Chemistry I (3) and
CHEM 114 General Chemistry II (3)

And two cognate courses approved by major advisor