## Middle Grades Math (6-9)

### Intro to Education
**C or better required**
- (2) ED 100 (Fall Freshmen) OR
- (2) ED 150/151-SAY Village (Fall & Spring Freshmen)

### English and Communication
- (4) ENG 101 Academic Writing & Research
- (3) COM 112 Interpersonal Communication

### Mathematical Sciences (C or better required)
- (4) MA 141 Calculus I
- (4) MA 241 Calculus II
  - Prerequisite: MA 141 with grade of C- or better
- (3) MA 225 Foundations of Advanced Math
  - Prerequisite: MA 241
- (3) MA 403 Introduction to Modern Algebra (Fall Only)
  - Prerequisite: MA 225
- (3) MA 408 Foundations of Euclidean Geometry Take Fall Senior Year
  - Prerequisite: MA 225
- (3) MA 305 OR MA 405 (strongly recommend MA 305)
- (3) MA 103, MA 105, MA 114, MEA 101, MEA 130 OR PY 124
- (3) ST 311 Intro to Statistics

At most one grade below a C is permitted in the mathematics, statistics, and computer science courses. Grade below a C is not permitted in MA 141 or MA 225

__C or better required in all courses below unless otherwise stated__

### Sophomore Year

#### Fall Semester
- (2) EMS 204 Intro to Mathematics Education B- or better required
- (2) ED 204 Intro to 21st Century Teaching

#### Spring Semester
- (3) EDP 304 Education Psychology
- (3) ECI 309 Teaching in Middle Grades
- (3) ECI 305 Education and Equity

### Junior Year

#### Fall Semester
- (3) ELP 344 School and Society
- (2) ED 311 Classroom Assessment
  - Prerequisite: ATC
- (1) ED 312 Classroom Assessment Lab

#### Spring Semester
- (3) EMS 480 Teaching Mathematics with Technology (Spring Only)
  - Prerequisite: EMS 204 with a B- or better; MA 131 or 141
- (3) ECI 306 Reading and Writing in Middle Year
  - Prerequisite: C or better in EMS 480
- (3) ECI 416 Teaching Exceptional Students
- (3) EMS 474 Teach Math Topics in Middle Grades

### Senior Year

#### Fall Semester
- (3) EMS 470 Methods & Materials for Teaching Math
- (3) EMS 490 School Math from an Adv. Perspective

#### Spring Semester
- (10) EMS 471 Student Teaching (Spring Only)
- (2) EMS 495 Senior Seminar Student (Spring Only)

Take EMS 474 & 480 before the semester you take EMS 470 and EMS 490 (Professional Semester 1).

Completed _______ out of 4.5

**PROFESSIONAL GROWTH UNITS (PGU's):** must earn 4.5 PGU’s by graduation. Register for sessions and track PGU’s in SAGE → “Professional Development” tab
PGU events and details can be found at: https://ced.ncsu.edu/academics/professional-education/professional-development/

**ATC REQUIREMENTS (Admission to Teacher Candidacy):** ______ ENG 101 _____ 2 Math courses _____ EMS 204/ED 204 _____ GPA at least 2.75 _____ Praxis I

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1 To be eligible for a teaching license in mathematics only, either mathematics or science courses may be selected. To be eligible for teaching licenses in both mathematics and science, you must complete two science elective courses. One from EMS 375, PY 124, MEA 130 or MEA 101 AND one from PY 123, MEA 130, MEA 101, ES 100, ES 200, or ES 300. Grades below C are not permitted in these science courses. **For a student intending to license in mathematics and science, no grades below a C are permitted in the courses satisfying the science requirements.**
Must have met ATC in order to register for ED 311/312. View your progress in SAGE \rightarrow "Gateways" tab