



Springfield College Sequencing Guide Mathematics and Education Majors (MATH&EDUC) ▼ 2022-2023 Grades 5-12 Licensure Program

If you entered Springfield College in 2022-2023, use this guide for sequencing your courses. Requirements are subject to change and may not be offered when listed. Use your online degree audit to verify your progress, and always confirm your plans with your advisor.

Core Curriculum Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following Core Curriculum categories:

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|----------------------------------------|--------------------------------|--------------------------------|
| • 100-level Wellness & Physical (1 cr) | • Literature (3 cr) | • Aesthetic Expression (3 cr) |
| • 200-level Wellness & Physical (1 cr) | • Scientific Reasoning (4 cr) | • Historical and Social (3 cr) |
| • 300-level Wellness & Physical (1 cr) | • Spiritual and Ethical (3 cr) | |

This major typically requires 88 credits to complete. In addition to the Core Curriculum and major requirements listed, you must complete:

- **4 elective credits or more** to total at least 120 credits
- The **residency requirement**—45 credits taken at Springfield College (including 15 of your last 30)

MATH & EDUC/SED Major Requirements – Typical First-Year Schedule

Fall:

SCSM 101, Springfield College Seminar (Core requirement – 3 cr)
 ENGL 113, College Writing I (Core requirement – 3 cr)
 CISC 105, Introduction to Computer Concepts (3 cr)
 MATH 140, Calculus I (3 cr – also fills Quantitative Reasoning Core– may first need to take MATH 115, College Algebra, or MATH 125, Precalculus)
 EDUC 237, Foundations of Multicultural Education (3 cr – fills Themed Exploration Core)

Plus major requirements or Core to total approximately 15 credits

Spring:

ENGL 114, College Writing II (Core requirement – 3 cr)
 CISC 165, Visual Programming Concepts (3 cr) **or**
 CISC 175, Introduction to Computer Science with C++ (3 cr)
 EDUC 101, Schools, Society and Diverse Learners (3 cr)
 MATH 142, Calculus II (3 cr)
 Plus major requirements or Core to total 30 credits for the year

MATH & EDUC/SED Major Requirements – Typical Second-Year Schedule

Fall:

EDUC 250, Childhood and Adolescent Development in Educational Settings (3 cr)
 MATH 220, Calculus III (3 cr)
 Plus major requirements or Core to total approximately 15 credits

Spring:

*EDUC 162, Exceptional Children (3 cr)
 *EDUC 238, Pre-Practicum in Special Education (PreK-8) (1 cr)
 MATH 201, Contemporary Applications of Mathematics (3 cr)
 MATH 305, Differential Equations (3 cr)
 EDUC 230, Literacy in the Content Areas (3 cr)
 Plus major requirements or Core to total 30 – 33 credits for the year

Fall or Spring:

MATH 205, Geometry (3 cr)
 MATH 215, Probability and Statistics (3 cr)
 MATH 235, Discrete Mathematics I (3 cr)

MATH & EDUC/SED Major Requirements – Typical Third-Year Schedule

Fall:

*EDUC 234, Curriculum, Methods, and Organization for Secondary Teachers (3 cr)
*EDUC 318, Tutorial Pre-Practicum (3 cr)
MATH 310, Linear Algebra (3 cr)
Plus major requirements or Core to total approximately 15 credits

Spring:

CISC 150, Computing and Digital Literacy (3 cr – fills Themed Exploration Core Curriculum)
EDUC 364, Pre-Practicum – Teaching and Special Issues in Secondary Education (3 cr)
MATH 415, Abstract Algebra (3 cr – also fills half of WAC Core Curriculum)
Plus major requirements or Core to total 30 – 33 credits for the year

Fall or Spring:

EDUC 328, Sheltered English Immersion (3 cr – fills Themed Exploration Core)
MATH 335, Discrete Mathematics II (3 cr)
MATH 382, Mathematics Seminar (3 cr)
MATH 405, Mathematical Analysis (3 cr – also fills half of WAC Core)

**These courses should be taken concurrently (during the same semester).*

MATH & EDUC/SED Major Requirements – Typical Fourth-Year Schedule

Fall or Spring:

Select a minimum of **12 credits** (in consultation with your advisor) from:

EDUC 464, Middle School Practicum and Seminar (4-12 cr)

EDUC 465, High School Practicum and Seminar (4-12 cr)

Plus any outstanding Core or electives to total a minimum of 120 credits for your career

MATH Major – Program Standards

Program standards for the MATH major include, but are not limited to:

- Achieve a minimum cumulative GPA of 2.500
- Achieve a minimum cumulative GPA of 2.500 in MATH major requirements
- Complete all program requirements with a grade of C- or better

For more information about these and other program standards, contact your advisor or the MPCS department chairperson.

EDUC Major – Program Standards

Program standards for the EDUC major include, but are not limited to:

- A minimum cumulative GPA of 2.750 for all designated licensure courses (see *Educator Preparation Handbook* for more information)
- Earn a minimum cumulative GPA of 2.500
- Receive a passing score on the Communication and Literacy Skills Test (reading and writing) of the Massachusetts Test for Education Licensure (MTEL)
- Receive passing scores on the appropriate MTEL Subject Tests
- Earn minimum grades specified for designated course (see the *Educator Preparation Handbook*)

For more information about these and other program standards, contact your advisor or the EDUC department chairperson.