



# Springfield College Sequencing Guide

## Mathematics and Computer Technology and Education Majors (MACT&EDUC/ESP) ▼ 2019-2020 Elementary and/or Special Education Licensure Program

*If you entered Springfield College in 2019-2020, 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.*

### GenEd Requirements, Electives, and College Requirements

*In addition to the major requirements listed below, you will need to fill the following General Education (GenEd) categories:*

- Spiritual and Ethical
- Behavioral/Social Sciences
- Int'l/Global subcategory
- Physical Activity

*These majors typically require 108 to 112 credits to complete (totaling as many as 126 to 130 credits with additional GenEds). In addition to the GenEd and major requirements listed, you must complete:*

- The **residency requirement**—45 credits taken at Springfield College (including 15 of your last 30)
- If applicable, any electives necessary to reach the College's **minimum of 120 credits**

### MACT & EDUC/ESP Major Requirements – Typical First-Year Schedule

**Fall:**

ENGL 113, College Writing I (3 cr – also fills half College Writing GenEd)  
 CISC 105, Introduction to Computer Concepts (3 cr – also fills Computing/Technology GenEd)  
 EDUC 101, Schools, Society and Diverse Learners (3 cr)  
 ENGL 220, Grammar and Usage (3 cr)  
 HIST 103, World History (3 cr – also fills Historical/Cultural Studies GenEd – or HIST 105, also required)  
*If recommended:* ENGL 100, Writing Studio (1 cr)  
*If needed as prerequisite:* MATH 115, College Algebra (3 cr)

**Spring:**

ENGL 114, College Writing II (3 cr – also fills half College Writing GenEd)  
 CISC/ARTS 103, Studio in Computer Graphics (3 cr – also fills Visual/Performing Arts GenEd)  
 EDUC 237, Foundations of Multicultural Education (3 cr – also fills Social Justice GenEd and Multicultural component of International/Multicultural Studies GenEd)  
 EDUC 250, Childhood and Adolescent Development in Educational Settings (3 cr)  
 HIST 106, The Civil War to Modern America (3 cr)  
*If recommended:* ENGL 100, Writing Studio (1 cr)  
*If needed as prerequisite:* MATH 125, Precalculus (3 cr)

**Fall or Spring:**

1 cr of Physical Activity GenEd courses (recommended to include MOSK 140, Skill Themes and Movement Concepts)

### MACT & EDUC/ESP Major Requirements – Typical Second-Year Schedule

**Fall:**

\*EDUC 162, Exceptional Children (3 cr)  
 \*EDUC 238, Pre-Practicum in Special Education (PreK-8) (1 cr)  
 EDUC 232, Teaching Elementary Mathematics through the MA Curriculum Frameworks (3 cr)  
 HIST 105, Colonial America to Civil War (3 cr – or HIST 103, also required)  
 MATH 140, Calculus I (3 cr – also fills Quantitative Reasoning GenEd)  
 Plus major requirements listed below to total approximately 17-18 credits

**Spring:**

CISC/ARTS 202, Computer Animation (3 cr)  
 MATH 101, Foundations of Mathematics (3 cr)  
 MATH 142, Calculus II (3 cr)  
 MATH 205, Geometry (3 cr)  
 SCIE 144, Best Practices in Learning and Teaching Science (4 cr)  
 Plus major requirements listed below to total approximately 17-18 credits

**Fall or Spring:**

PHSC 105, Physical Science and the Environment (4 cr – also fills Natural Sciences GenEd)  
 or  
 PHSC 110, Earth Science (4 cr – also fills Natural Sciences GenEd)  
 1 cr of Physical Activity GenEd courses

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

### MACT & EDUC/ESP Major Requirements – Typical Third-Year Schedule

**Fall:**

\*EDUC 327, Methods of Teaching Reading and Language Arts in Early Childhood and Elementary Classrooms (4.5 cr – also counts as a WAC GenEd)  
\*EDUC 342, Curriculum and Assessment in Special Education (3 cr)  
MATH 215, Probability and Statistics (3 cr)  
Plus major requirements listed below to total approximately 17-18 credits

**Spring:**

\*EDUC 329, Sheltered English Instruction Across the Curriculum (3 cr)  
\*EDUC 330, Pre-Practicum in Literacy Instruction for PreK-6 (1.5 cr)  
EDUC 362, Instructional Strategies to Support Exceptional Learners (3 cr)  
MATH 201, Contemporary Applications of Mathematics (3 cr)  
Plus major requirements listed below to total 34-36 credits for the year

**Fall or Spring:**

ENGL 209, World Literature (3 cr – also fills Literary Studies)  
MATH 235, Discrete Mathematics I (3 cr)  
CISC 165, Visual Programming Concepts (3 cr)  
or  
CISC 175, Introduction to Computer Science with C++ (3 cr)  
ENGL 241 American Literature I (3 cr – also counts as a WAC GenEd)  
or  
ENGL 242, American Literature II (3 cr – also counts as a WAC GenEd)  
1 cr of Physical Activity GenEd courses

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

### MACT & EDUC/ESP Major Requirements – Typical Fourth-Year Schedule

**Fall or Spring:**

CISC 115, Microcomputer Applications (3 cr)  
HLTH 100, Wellness: A Way of Life (3 cr – also fills Health and Wellness GenEd)  
12 to 16 credits of Practicum, chosen (in consultation with your advisor) from:  
EDUC 468, Elementary (1-6) Practicum and Seminar (4-12 cr)  
EDUC 461, Moderate Disabilities (PreK-8) Practicum and Seminar (4-12 cr)  
Plus any outstanding major requirements or GenEds to total a minimum of 120 credits for your career

EDUC 210, Children's Literature, and EDUC 271, Learning, Teaching, and Technology, are recommended electives.

### MACT Major – Program Standards

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

- Achieve a minimum cumulative GPA of 2.500
- Achieve a minimum cumulative GPA of 2.500 in MACT 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.