

B.S.Ed. Elementary Education: 4-8 Mathematics and Social Studies Requirements

The 4-8 Mathematics and Social Studies Program provides course preparation in education and includes clinical experience. The program leads to a bachelor's degree and teaching certification in 4-8 Middle Level Mathematics and Social Studies.

Note that all students must achieve 123 undergraduate credits and a minimum 3.0 overall GPA to graduate. Some of the coursework in the program will require a final grade of C or better to count for the major. Please consult with your academic advisor. The final GPA requirement for 4-8 Mathematics and Social Studies is 3.0.

Required Professional (Pre-Candidacy) Courses – 9 credits

Note that these courses require a final grade of C or better.

ELED 212 Teaching Diverse Learners Mid-Level (3 credits)

ELED 312 Culturally Responsive Teach for ELL (3 credits)

ELED 226 Teach Mid-Level (3 credits) *or* EDUC 326 Intro Middle Level (3 credits)

Mathematics Courses – 15 credits

MATH 040 Geometry (3 credits)

MATH 105 College Algebra (3 credits)

MATH 122 Applied Calculus (3 credits)

MATH 140 Applied Stat Methods (3 credits)

MATH 106 Trigonometry (3 credits) *or* MATH 115 Pre-Calculus (3 credits) *or* MATH 123 Discrete Math (3 credits)

English Language Arts & Reading Courses – 9 credits

ELED 221 Literature for Upper Elementary & Middle Level Learners (3 credits)

ELED 331 Teach & Assess Literacy for Mid Lev Learners (3 credits)

Choose one ENGL Literature Course (3 credits)

Natural Sciences Courses – 9 credits

CHEM 020 Introduction to Chemistry (Lab) (3 credits)

PHYS 020 Introduction to Physics (Lab) (3 credits)

BIOL 130 Environmental Issues Global Perspective (3 credits) *or* BIOL 140 Biology & Society (3 credits)

Social Science Courses – 12 credits

HIST 015 History of Civilization B (3 credits)

HIST 026 History of the United States (3 credits)

POLI 010 Introduction to American Politics (3 credits)

GEOG 010 Elements of Physical Geography (3 credits) *or* GEOG 101 World Regional Geography (3 credits)

Professional Semester Courses – 15 credits

Note that these courses require a final grade of C or better.

ELED 342 Teaching Writing at the Mid-Level (3 credits)

ELED 344 Teaching & Assess. Social Studies for Middle Level Learners (3 credits)

ELED 346 Mid-Level Cognitive Development (3 credits)

ELED 347 Teaching & Assess. Math For Middle Level Learners (3 credits)

ELED 349 Teaching & Assess. Science For Middle Level Learners (3 credits)

Clinical Experience Courses – 12 credits

Note that these courses require a final grade of C or better.

ELED 392 Clinical Experience I with Mid-Level Learners (6 credits)

ELED 393 Clinical Experience II with Mid-Level Learners (6 credits)

Directed General Education Courses – 39 credits

While counting toward General Education fulfillment, these courses are required for completion of the major. These courses are also courses that fulfill pre-candidacy requirements. Note that these courses require a final grade of C or better.

Required before candidacy:

Note that these courses require a final grade of C or better.

SPEE 201 Cognitive Devel. Of Diverse Learners – Category B (3 credits)

SPEE 314 Effective Instructional Strategies – Category B (3 credits)

SPEE 316 Literacy Development Core & Intervention – Category A4 (3 credits)

LLTC 321 Technology for the 21st Century Educator – Category D (3 credits)

Not required before candidacy:

MATH 103 Fundamentals of Math I – Category C2 (3 credits) *Final grade of C or better is required.*

MATH 104 Fundamentals of Math II – Category C3 (3 credits) *Final grade of C or better is required.*

COMP 100 Level Course – Category A1 (3 credits) *Final grade of C or better is required.*

COMP 200 Research and Composition – Category A2 (3 credits)

COMM 010 Fundamentals of Oral Comm – Category A3 (3 credits) *Final grade of C or better is required.*

BIOL 010 Introduction to Biology (Lab) – Category C1 (3 credits)

HIST 014 History of Civilization A or HIST 015 History of Civilization B– Category D (3 credits)

HIST 025 US Formative Years and Federal Republic or HIST 026 History of the United States – Category B (3 credits)

ECON 100 Introduction to Economics – Category B (3 credits)

Program Plan Code: BSED_ELED_MASS

Effective Date: Fall 2023



4 – 8 Mathematics and Social Studies Check Sheet

Student Name:

Student ID Number:

This check sheet provides a mechanism for students and advisors to keep track of a student’s progress in the program. Please refer to the program requirements for more details regarding options.

Note that all students must achieve 120 undergraduate credits and a minimum 3.0 overall GPA to graduate. The final GPA requirement for 4-8 Mathematics and Social Studies is 3.0.

Required Professional Pre-Candidacy Courses – 9 credits

Note: these courses require a grade of C or higher for a final grade.

ELED 212 Teaching Diverse Learners Middle Level	3 credits	Grade:
ELED 312 Culturally Responsive Teaching for ELL	3 credits	Grade:
ELED 226 Teaching Middle Level <i>or</i> EDUC 326 Introduction to Middle Level <i>Note: Pre-requisite for Professional Semester</i>	3 credits	Grade:
Total Credits	9 total credits	

Natural Sciences Courses – 9 credits

CHEM 020 Introduction to Chemistry (Lab)	3 credits	Grade:
PHYS 020 Introduction to Physics (Lab)	3 credits	Grade:
<i>Choose one of the following courses:</i> BIOL 130 Environmental Issues Global Perspective BIOL 140 Biology and Society	3 credits	Grade:
Total Credits	9 total credits	

Required Mathematics Courses – 15 credits

MATH 040 Geometry	3 credits	Grade:
MATH 105 College Algebra	3 credits	Grade:
MATH 122 Applied Calculus	3 credits	Grade:
MATH 140 Applied Statistical Methods	3 credits	Grade:
<i>Choose one of the following courses:</i> MATH 106 Trigonometry MATH 115 Pre-Calculus MATH 123 Discrete Math	3 credits	Grade:
Total Credits	15 total credits	

English Language Arts & Reading Courses – 9 credits

ENGL Literature Course	3 credits	Grade:
ELED 221 Literature Middle Level Learners	3 credits	Grade:
ELED 331 Teaching and Assessing Literacy Middle Level	3 credits	Grade:
Total Credits	9 total credits	

Social Sciences Courses – 12 credits

HIST 026 History of the U.S.: The Emergence of Modern America	3 credits	Grade:
HIST 015 History of Civilization B	3 credits	Grade:
<i>Choose one of the following courses:</i> GEOG 010 Planet Earth Users’ Guide: An Introduction to Physical Geography GEOG 101 World Regional Geography	3 credits	Grade:

POLI 010 Introduction to American Politics	3 credits	Grade:
Total Credits	12 total credits	

Professional Semester Courses – 15 credits

Note: Students must have achieved teacher candidacy in order to register for these courses. All courses required a final grade of C or higher.

ELED 342 Teaching Writing at the Middle Level	3 credits	Grade:
ELED 344 Teaching & Assessing Social Studies for Middle Level Learners	3 credits	Grade:
ELED 346 Middle Level Cognitive Development	3 credits	Grade:
ELED 347 Teaching & Assessing Math for Middle Level Learners	3 credits	Grade:
ELED 349 Teaching & Assessing Science for Middle Level Learners	3 credits	Grade:
Total Credits	15 total credits	

Clinical Semester Courses – 12 credits

Note: Students must have achieved teacher candidacy in order to register for these courses. All courses required a final grade of C or higher. The Clinical Experience courses are scheduled in either the fall or spring semester.

ELED 392 Clinical Experience I with Middle Level	6 credits	Grade:
ELED 393 Clinical Experience II with Middle Level	6 credits	Grade:
Total Credits	12 total credits	

Directed General Education Courses – 39 credits

Note: While counting toward the General Education fulfillment, these courses are required for the completion of the major.

SPEE 201 Cognitive Development of Diverse Learners in a Standards Aligned System (Category B) <i>Final grade of C or better is required.</i>	3 credits	Grade:
SPEE 314 Effective Instructional Strategies for Students with Disabilities in Inclusive Settings (Category B) <i>Final grade of C or better is required.</i>	3 credits	Grade:
SPEE 316 Literacy Development and Instruction in Core and Intervention Areas (Category A4) <i>Final grade of C or better is required.</i>	3 credits	Grade:
LLTC 321 Technology for the 21st Century Educator (Cat D) <i>Final grade of C or better is required.</i>	3 credits	Grade:
MATH 103 Fundamentals of Math I (Category C2) <i>Final grade of C or better is required.</i>	3 credits	Grade:
MATH 104 Fundamentals of Math II (Category C3) <i>Final grade of C or better is required.</i>	3 credits	Grade:
COMP 100 level course (Category A1) <i>Final grade of C or better is required.</i>	3 credits	Grade:
COMP 200 Research and Composition (Category A2)	3 credits	Grade:
COMM 010 Fundamentals of Oral Communication (Cat A3) <i>Final grade of C or better is required.</i>	3 credits	Grade:
BIOL 010 Introduction to Biology (Lab) (Category C1)	3 credits	Grade:
HIST 014 History of Civilization A or HIST 015 History of Civilization B (Category D)	3 credits	Grade:
HIST 025 US Formative Years and Federal Republic or HIST 026 History of the U.S.: The Emergence of Modern America (Category B)	3 credits	Grade:
ECON 100 Introduction to Economics (Category B)	3 credits	Grade:

Summary of Graduation Requirements

Total credits from major courses	81
Total credits from general education program	39
Total credits from free electives	0
Minimum total credits to graduate	120
Minimum overall GPA	3.0
Minimum GPA in major program	3.0

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4-8 Mathematics and Social Studies 8-Semester Planner

Student Name:

Student ID Number:

Each semester listed below provides information including course categories, typical credit hours (CH.), and space to add specific course selections. This planner is a suggested path. Consult with your advisor regarding your unique plans and interests as you make choices about your schedule.

First Semester Plan

Gen Ed	COMP 100 (Category A1)	3 CH.	Selection:
Gen Ed	MATH 103 (Category C2)	3 CH.	Selection:
Gen Ed	FYSM 100	3 CH.	Selection: FYSM 100 -
Gen Ed	HIST 025	3 CH.	Selection:
Major	POLI 010	3 CH.	Selection:
Total		15 CH.	

Second Semester Plan

Gen Ed	MATH 104 (Category C3)	3 CH.	Selection:
Gen Ed	HIST 026 (Category B)	3 CH.	Selection:
Gen Ed	ENGL Literature (Category D)	3 CH.	Selection:
Major	MATH 105	3 CH.	Selection:
Major	CHEM 020	3 CH.	Selection:
Total		15 CH.	

Third Semester Plan

Gen Ed	BIOL 010 (Category C1)	3 CH.	Selection:
Gen Ed	HIST 014 (Category D)	3 CH.	Selection:
Gen Ed	SPEE 201 (Category B)	3 CH.	Selection:
Major	ELED 221	3 CH.	Selection:
Major	ELED 226	3 CH.	Selection:
Major	MATH 040	3 CH.	Selection:
Total		18 CH.	

Fourth Semester Plan

Gen Ed	HIST 015	3 CH.	Selection:
Major	ELED 212	3 CH.	Selection:
Major	LLTC 321 (Category D)	3 CH.	Selection:
Major	SPEE 314 (Category B)	3 CH.	Selection:
Major	MATH 106, MATH 115, or MATH 123	3 CH.	Selection:
Total		15 CH.	

Fifth Semester Plan

Gen Ed	COMP 200 (Category A2)	3 CH.	Selection:
Gen Ed	COMM 010 (Category A3)	3 CH.	Selection:
Major	GEOG 010 <i>or</i> GEOG 101	3 CH.	Selection:
Major	MATH 122	3 CH.	Selection:
Major	PHYS 020	3 CH.	Selection:
Total		15 CH.	

Sixth Semester Plan

Gen Ed	SPEE 316 (Category A4)	3 CH.	Selection:
Major	BIOL 130 <i>or</i> BIOL 140	3 CH.	Selection:
Major	ECON 100	3 CH.	Selection:
Major	ELED 312	3 CH.	Selection:
Major	ELED 331	3 CH.	Selection:
Major	MATH 140	3 CH.	Selection:
Total		15 - 16 CH.	

Seventh Semester Plan

Major	ELED 342	3 CH.	Selection:
Major	ELED 344	3 CH.	Selection:
Major	ELED 346	3 CH.	Selection:
Major	ELED 347	3 CH.	Selection:
Major	ELED 349	3 CH.	Selection:
Total		15 CH.	

Eighth Semester Plan

Major	ELED 392	6 CH.	Selection:
Major	ELED 392	6 CH.	Selection:
Total		12 CH.	

Additional Notes:

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