



B.S.Ed. Special Education: Visual Impairment Birth – 21/Elementary Education 4-8 Mathematics Requirements

The BSED Special Education: Visual Impairment Birth – 21/Elementary Education 4-8 Mathematics Program provides course preparation in Special Education: Visual Impairment and Elementary Education and includes clinical experience. The program leads to a bachelor's degree and teaching certification in Birth – 21 Special Education: Visual Impairment and Elementary Education 4-8 Mathematics.

Note that all students must achieve 120 undergraduate credits and a minimum 2.0 overall GPA to graduate. Most students will graduate with 132 undergraduate credits and a minimum 3.0 overall GPA in this major. The final GPA requirement for Special Education: Visual Impairment Birth – 21/Elementary Education 4-8 Mathematics is 3.0.

Professional Core Courses – 33 credits

A student must earn a final grade of C or better in all courses.

SPEE 101 Early Intervention and Transition for Students with Disabilities (3 credits)

SPEE 200 Reading, Writing, and Teaching Unified English Braille (3 credits)

SPEE 201 Cognitive Development of Diverse Learners (3 credits)

SPEE 202 Orientation and Mobility for Teachers of Students with Visual Impairments, Including Deafblindness (3 credits)

SPEE 327 Transition, Self-Determination and Self-Advocacy for Adolescents and Adults with Disabilities (3 credits)

SPEE 333 Assistive Technology for Individuals with Visual Impairments (3 credits)

ELED 212 Teaching Diverse Learners Middle Level (3 credits)

ELED 312 Culturally Responsive Teaching for ELL (3 credits)

ELED 226 Teach Middle Level *or* EDUC 326 Introduction to Middle Level Ed (3 credits)

SPEE 330 Teaching Students with Low-Incidence Disabilities (3 credits) – *Teacher candidacy is required*

SPEE 302 Adapting Materials and Methods of Instruction and Evaluation for Teaching Students with Visual Impairments (3 credits) – *Teacher candidacy is required*

Natural Sciences Courses – 9 credits

CHEM 20 Intro to Chemistry (Lab) (3 credits)

PHYS 20 Intro to Physics (Lab) (3 credits)

BIOL 130 Environmental Issues Global Perspective *or* BIOL140 Biology and Society (3 credits)

Mathematics Courses – 15 credits

MATH 40 Geometry (3 credits)

MATH 105 College Algebra (3 credits)

MATH 122 Applied Calculus (3 credits)

MATH 140 Applied Statistical Methods (3 credits)

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

Trio Semester Courses – 9 credits

Teacher candidacy is required to take these courses. They are scheduled in a block format. A final grade of C or better is required.

SPEE 204 Anatomy of the Eye and Related Assessment of Students with VI (3 credits)

SPEE 221 Assessment of Students with Visual Impairments (3 credits)

SPEE 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes (3 credits)

Professional Semester Courses – 15 credits

Teacher candidacy is required to take these courses. They are scheduled in a block format during the Fall Semesters. A final grade of C or better is required. These courses must be completed before the clinical experience courses.

ELED 342 Teaching Writing at the Middle Level (3 credits)

ELED 344 Teaching Social Studies at the Middle Level (3 credits)

ELED 346 Middle Level Cognitive Development (3 credits)

ELED 347 Teaching and Assessing Math for Middle Level Learners (3 credits)

ELED 349 Teaching Science at the Middle Level (3 credits)

Clinical Experience Courses – 12 credits

A final grade of C or better is required.

SPEE 390/391 Clinical Experience and Practicum VI B-21(6 credits)

ELED 392/393 Clinical Experience and Practicum with Middle 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.

Final grade of C or above is required for the following courses:

COMP 100 Effective Composition – Category A1 (3 credits)

COMM 10 Fundamentals of Oral Communication – Category A3 (3 credits)

ENGL (English Literature) course – Category D (3 credits)

MATH 103 Fundamentals of Math I – Category C2 (3 credits)

MATH 104 Fundamentals of Math II – Category C3 (3 credits)

SPEE 316 Literacy Development and Instruction in Core and Intervention Areas – Category A4 (3 credits)

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

A final grade of C or above is not required for the following courses:

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

BIOL 10 Intro to Biology – Category C1 (3 credits)

HIST 25 American History I or HIST 26 American History II – Category B (3 credits)

HIST 14 World History I or HIST 15 World History II – Category D (3 credits)

ECON 100 Economics – Category B (3 credits)

GEOG 20 or GEOG 101 Geography – Category B (3 credits)

Program Plan Code: BSSED_SPED_VI4M

Effective Date: Spring 2021

KU Special Education Visual Impairment Birth-21 and Elementary Education 4-8 Mathematics 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 2.0 overall GPA to graduate. Most students will graduate with 132 undergraduate credits and a minimum 3.0 overall GPA in this major. The final GPA requirement for Special Education: Visual Impairment Birth – 21/Elementary Education 4-8 Mathematics is 3.0.

Required Professional Core Courses - 33 credits

SPEE 101 Early Intervention and Transition for Students with Disabilities	3 credits	Grade:
SPEE 200 Reading, Writing, and Teaching Unified English Braille	3 credits	Grade:
SPEE 201 Cognitive Development of Diverse Learners	3 credits	Grade:
SPEE 202 Orientation and Mobility for Teachers of Students with Visual Impairments, Including Deafblindness	3 credits	Grade:
SPEE 327 Transition, Self-Determination and Self-Advocacy for Adolescents and Adults with Disabilities	3 credits	Grade:
SPEE 333 Assistive Technology in Visual Impairments	3 credits	Grade:
ELED 212 Teaching Diverse Learners Middle Level	3 credits	Grade:
ELED 312 Culturally Responsive Teaching for ELL	3 credits	Grade:
ELED 226 Teach Middle Level or EDUC 326 Intro to Middle Level	3 credits	Grade:
SPEE 330 Teaching Students with Low-Incidence Disabilities	3 credits	Grade:
SPEE 302 Adapting Materials and Methods of Instruction and Evaluation for Teaching Students with Visual Impairments	3 credits	Grade:
Total Credits	33 total credits	

Natural Science Courses - 9 credits

CHEM 20 Intro to Chemistry (Lab)	3 credits	Grade:
PHYS 20 Intro to Physics (Lab)	3 credits	Grade:
BIOL 130 Environmental Issues Global Perspective or BIOL 140 Biology and Society	3 credits	Grade:
Total Credits	9 total credits	

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:
MATH 106 Trigonometry or MATH 115 Pre-Calculus or MATH 123 Discrete Math	3 credits	Grade:
Total Credits	15 total credits	

TRIO Semester – 9 credits

SPEE 204 Anatomy of the Eye and Related Assessment of Students with VI	3 credits	Grade:
SPEE 221 Assessment of Students with Visual Impairments	3 credits	Grade:
SPEE 300 Reading, Writing, and Teaching Literary Braille, Nemeth Mathematics Code, and Other Braille Codes	3 credits	Grade:
Total Credits	9 total credits	

Professional Semester Courses - 15 credits

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

Clinical Experience Courses - 12 credits

SPEE 390/391 Visual Impairment Clinical Experience	6 credits	Grade:
ELED 392/393 Clinical Experience and Practicum with Middle Level Learners	6 credits	Grade:
Total Credits	12 total credits	

Directed General Education Courses

COMP 100 Effective Composition (Category A1)	3 credits	Grade:
COMP 200 Research and Composition (Category A2)	3 credits	Grade:
COMM 10 Fundamentals of Oral Communication (Cat A3)	3 credits	Grade:
ENGL (English Literature) course (Category D)	3 credits	Grade:
MATH 103 Fundamentals of Math I (Category C2)	3 credits	Grade:
MATH 104 Fundamentals of Math II (Category C3)	3 credits	Grade:
SPEE 316 Literacy Development and Instruction in Core and Intervention Areas (Category A4)	3 credits	Grade:
LLTC 321 Technologies for the 21st Century (Category D)	3 credits	Grade:
BIOL 10 Intro to Biology (Category C1)	3 credits	Grade:
HIST 25 American History I or HIST 26 American History II (Category B)	3 credits	Grade:
HIST 14 World History I or HIST 15 World History II (Category D)	3 credits	Grade:
ECON 100 Economics (Category B)	3 credits	Grade:
GEOG 20 or GEOG 101 Geography (Category B)	3 credits	Grade:

Summary of Graduation Requirements

Total credits from major courses	93
Total credits from general education program	39
Total credits from university electives	0
Minimum total credits to graduate	120
Minimum overall GPA	3.0
Minimum GPA in major program	3.0

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Effective Date: Spring 2021



Special Education Visual Impairment B-21 and Elementary Education 4-8 Mathematics 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	BIOL 10 (Category C1)	3 CH.	Selection:
Gen Ed	MATH 103 (Category C2)	3 CH.	Selection:
Gen Ed	FYSM 100	3 CH.	Selection: FYSM 100
Gen Ed	SPEE 201 (Category B)	3 CH.	Selection:
Gen Ed	HIST 025 <i>or</i> HIST 026 (Category B)	3 CH.	Selection:
Total		18 CH.	

Second Semester Plan

Gen Ed	COMP 200 (Category A2)	3 CH.	Selection:
Gen Ed	MATH 104 (Category C3)	3 CH.	Selection:
Gen Ed	ENGL Literature Course (Category D)	3 CH.	Selection:
Gen Ed	HIST 14 <i>or</i> HIST 15 (Category D)	3 CH.	Selection:
Major	CHEM 20	3 CH.	Selection:
Major	SPEE 101	3 CH.	Selection:
Total		18 CH.	

Third Semester Plan

Gen Ed	LLTC 321 (Category D)	3 CH.	Selection:
Major	MATH 105	3 CH.	Selection:
Major	MATH 040	3 CH.	Selection:
Major	PHYS 20	3 CH.	Selection:
Major	SPEE 216	3 CH.	Selection:
Major	SPEE 200	3 CH.	Selection:
Total		18 CH.	

Fourth Semester Plan

Major	SPEE 204	3 CH.	Selection:
Major	MATH 122	3 CH.	Selection:
Major	ELED 212	3 CH.	Selection:
Major	SPEE 221	3 CH.	Selection:
Major	SPEE 300	3 CH.	Selection:
Major	BIOL 130 <i>or</i> BIOL 140	3 CH.	Selection:
Total		18 CH.	

Fifth Semester Plan

Gen Ed	SPEE 316 (Category A4)	3 CH.	Selection:
Major	SPEE 302	3 CH.	Selection:
Major	SPEE 333	3 CH.	Selection:
Major	ELED 312	3 CH.	Selection:
Major	ELED 226 <i>or</i> EDUC 326	3 CH.	Selection:
Major	MATH 140	3 CH.	Selection:
Total		15 CH.	

Sixth Semester Plan

Gen Ed	COMM 010 (Category A3)	3 CH.	Selection:
Gen Ed	ECON 100 (Category B)	3 CH.	Selection:
Major	GEOG 20 <i>or</i> GEOG 101 (Category B)	3 CH.	Selection:
Major	SPEE 327	3 CH.	Selection:
Major	SPEE 330	3 CH.	Selection:
Major	MATH 106 <i>or</i> MATH 115 <i>or</i> MATH 123	3 CH.	Selection:
Total		18 CH.	

Seventh Semester Plan (Professional Semester)

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 <i>or</i> ELED 393	6 CH.	Selection:
Major	SPEE 392 <i>or</i> SPEE 393	6 CH.	Selection:
Total		12 CH.	

Additional Notes: Please do not substitute other courses for the ones listed here. These are the courses required for dual certification in Special Education and Elementary Education, 4-8 Mathematics. SPEE 221, 300, and 204 be taken all together during the TRIO semester.

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