

Middle Level Education

BSED Middle Level Mathematics Education

This is a guide based on the 2023-24 Academic Catalog and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and winter/summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress. We recommend taking a minimum of 15 credits each fall and spring semester.

Sample 4-Year Plan

First Year

Fall Courses	Credits	Spring Courses	Credits
FYS100 First Year Seminar	3	SPEC110 Intro to Individuals with Exceptionalities	3
MSED110 Intro to Middle and Secondary Education	3	EDTC200 Technology for Teaching and Learning	3
WRIT103 Composition GE (Writing)	3	MATH110 Concepts of Arithmetic and Number Systems	3
Gen Ed (History)	3	Gen Ed (Literature)	3
MATH118 College Algebra GE (Quantitative)	3	BIOL105 Basic Biology (Natural World)	3
Semester Total	15	Semester Total	15

Second Year

Fall Courses	Credits	Spring Courses	Credits
ELL320 Cultural Awareness and Sensitivity GE (Diversity)	3	EDUC222 Principles & Structures in PK12 Education	3
SPEC220 Data Driven Interventions for Individ w/ Exceptionalities	3	PHYS110 How Things Work	3
MATH113 Concepts of Geometry and Statistics	3	STAT141 Introduction to Statistics	3
EGGS100 intro to Environmental Science (Natural World)	3	MATH103 Critical Reasoning in Mathematics (Critical Reasoning)	3
MATH140 Precalculus	3	EGGS104 World Regional Geography (Global Persp.)	3
Gen Ed (Arts)	3		
Semester Total	18	Semester Total	15

Third Year

Fall Courses	Credits	Spring Courses	Credits
EDUC346 Teaching in Diverse Contexts GE (Diversity)	3	MATH230 Discrete Structures or MATH250 Discrete Mathematics	3
EDUC334 Connecting Research and Classroom Practice	3	Math Elective	3
SPEC330 Methods of Instruction for Individ with Exceptionalities	3	MSED315 Teaching with Young Adolescent and Young Adult Literature	3
HIST401 History of PA	3	Math Elective	3
MATH150 Essentials of Calculus or MATH160 Calculus 1	3	Gen Ed (Oral Communication)	3
Semester Total	15	Semester Total	15

Fourth Year

Fall Courses	Credits	Spring Courses	Credits
MSED440 Teaching ML LA/SS	3	MSED491 Student Teaching 1	6
MSED450 Teaching ML Science/Math	3	MSED492 Student Teaching 2	6
EDUC474 Classroom Management and Effective Discipline	3		
EDUC358 Assessment and Differentiation for Inclusive Classrooms	3		
Math Elective	3		
Semester Total	15	Semester Total	12

Middle Level Math Ed

Curriculum Checklist

Required Education Courses (42 credits)

- EDUC222 Principles & Structures of PK12 Education
- EDUC334 Conducting Research and Classroom Practice
- EDUC474 Classroom Management and Effective Discipline
- MSED110 Intro to Middle and Secondary Education
- MSED315 Teaching w/ Young Adoles. & Yng Adult Lit
- MSED420 Content Area Literacy, Grades 4-12
- MSED440 Teaching Middle Level LA/SS
- MSED450 Teaching Middle Level Science/Math
- MSED491 Student Teaching 1
- MSED492 Student Teaching 2
- SPEC220 Data Driven Interventions for Indiv with Exceptionalities
- SPEC330 Methods of Instruction for Indiv with Exceptionalities

Required Content Area Courses (15 credits)

- STAT141 Introduction to Statistics
- MATH110 Concepts of Arithmetic and Number Systems
- MATH113 Concepts of Geometry and Statistics
- PHYS110 How Things Work
- HIST401 History of PA

Electives

- Math Elective
- Math Elective
- Math Elective
- MATH230 Discrete Structures or MATH250 Discrete Mathematics
- MATH150 Essentials of Calculus or MATH160 Calculus

Winter/Summer College - Optional

While not required, Winter and Summer sessions are offered each year and may help you stay on track or get ahead. You may take up to seven (7) credits during Winter College and up to 14 credits during Summer College.

General Education Requirements (45 credits)

Note: Some requirements may be fulfilled by coursework in your major program including directed Gen Ed courses noted below

- Foundations (15 credits)
 - FYS100 First Year Seminar
 - MATH140 PreCalculus (Quantitative)
 - WRIT103 Composition (Writing)
 - (History)
 - Oral Communication
- Interconnections (9 credits)
 - EDUC346 Teaching in Diverse Contexts (Diversity)
 - ELL320 Cultural Awareness and Sensitivity (Diversity)
 - EGGS104 World Regional Geography (Global Perspectives)
- Citizenship & Responsibility (6 credits from at least two goals)
 - SPEC110 Intro to Individuals with Exceptionalities (Citizenship)
 - MATH103 Critical Reasoning in Mathematics (Critical Reasoning)
- Natural World & Technologies (9 credits)
 - EDTC200 Technology for Teaching & Learning (Technology)
 - BIOL105 Basic Biology (Natural World)
 - EGGS100 Intro to Environmental Science (Natural World)
- Creativity & Expression (6 credits)
 - Literature
 - Arts or Creativity

Degree Requirements

All students must obtain a minimum of 120 credits, complete all General Education requirements, and all requirements for the selected major. Meet with your advisor and consult Degree Works to monitor your progress and for all graduation requirements. There is a PDE GPA minimum requirement for certification (not graduation).

A minimum GPA of 2.0 in the major and overall are required. A 2.8 GPA is required for teacher certification.

Campus Locations

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| Bloomsburg | <input checked="" type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input checked="" type="checkbox"/> Blended |
| Lock Haven | <input checked="" type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input checked="" type="checkbox"/> Blended |
| Mansfield | <input checked="" type="checkbox"/> Online; <input checked="" type="checkbox"/> In-person; <input checked="" type="checkbox"/> Blended |
| Clearfield | <input type="checkbox"/> Online; <input type="checkbox"/> In-person; <input type="checkbox"/> Blended |