



Degree: Bachelor of Science in Education
College: Education, Arts and Humanities
Major: Secondary Education
Major Code: SCED
Concentration: Mathematics (SCMT)

Credits Required: 120

Graduation Requirements:

- Minimum 30 of the last 60 credits earned at PennWest.
- Minimum of 37 major credits must be completed at PennWest or a State System (PASSHE) university.
- Minimum Total of 42 Credits in Advanced Coursework.

General Education

Foundations: (15-18 Credits)

First Year Seminar (3 Credits)

- ☐ FYS 1000 Navigating the First Year at PennWest

Oral Communication (3 Credits)

- ☐ COMM 1010 Public Speaking

Written Communication (3-6 Credits)

- ☐ ENGL 1100 Intro. to Comp. & ENGL 1200 College Comp.
☐ Or ENGL 1200 College Composition

Quantitative Reasoning (3 Credits)

- ☐ MATH 1110 Mathematics for Teachers I

Technological Literacy (3 Credits)

- ☐ ED 2333 Technology in Teaching and Learning

Discoveries: (26-29 Credits)

Arts and Humanities (6 Credits)

- ☐ ENGL 1300 Introduction to Literature
Or ENGL 2310 American Literature Survey I
☐ _____

Social Sciences (6 Credits)

- ☐ ED 1750 Educational Psychology
☐ ED 2500 Cultural Awareness in Education

Natural Sciences and Technology (8 Credits)

- ☐ MATH 2410 Calculus I
☐ MATH 2420 Calculus II

Flex Discoveries (If DSP into ENGL 1200) (9 Credits)

- ☐ _____
☐ _____
☐ _____

Essential Skills:

Intensive Writing

- ☐ ED 4250 Student Teaching

Capstone

- ☐ ED 4240 Student Teaching

General Education Notes:

If Directed Self-Placement (DSP) includes ENGL 1100, the student will complete 6 courses in Foundations and 8 courses in Discoveries. If DSP into ENGL 1200, the student will complete 5 courses in Foundations and 9 courses in Discoveries. DSP into ENGL 1100 reduces the number of Gen Ed Flex courses to 6 vs. 9.

Program Requirements

Required Major Courses: (45 Credits)

Minimum Program Requirements:

- * 3.00 cumulative GPA
- * C- grade for any course with education prefix ECEE, ED, SPED; plus COMJM1010, ENGL 1200, ENGL 2310, ENGL 2320 or 2330, MATH 1110, MATH 2120, SPED 1050, SPED 2000, SPED 2100.

- ☐ ED 1100 Introduction to Middle/Secondary Education
☐ ED 2200 School Law and Ethics
☐ ED 3100 Strategies
☐ ED 3102 Teaching of Mathematics
☐ ED 3300 Learning Environments
☐ ED 3610 Content Area Literacy
☐ ED 3700 ELL Foundations
☐ ED 4100 Educational Assessments
☐ ED 4240 Student Teaching
☐ ED 4250 Student Teaching
☐ SPED 1050 Foundations of Special Education
☐ SPED 2000 Assessment and Positive Behavior Interventions
☐ SPED 2100 Teaching Student with Disabilities

Required Concentration Courses: (28 Credits)

- ☐ MATH 3000 Foundations of Mathematics
☐ MATH 3210 Linear Algebra I
☐ MATH 3430 Calculus III
☐ MATH 3440 Differential Equations
☐ MATH 3520 Advanced Discrete Mathematics
☐ MATH 3610 College Geometry
☐ MATH 3620 History of Mathematics
☐ MATH 4260 Abstract Algebra I
☐ STAT 3010 Mathematical Probability and Statistics

Free Elective: (3 Credits)

- ☐ _____

Suggested Four Year Course Sequence

Year 1

Fall Semester

ED 1100 Introduction to Middle/Secondary Education
ED 1750 Educational Psychology
ENGL 1200 College Composition
FYS 1000 Navigating the First Year at PennWest
MATH 2410 Calculus I

Spring Semester

COMM 1010 Public Speaking
ED 2500 Cultural Awareness in Education
MATH 1110 Mathematics for Teachers I
MATH 2420 Calculus II
SPED 1050 Foundations of Special Education

Year 3

Fall Semester

ED 3300 Learning Environments
Flex Discoveries
Free Elective
MATH 3610 College Geometry
STAT 3010 Mathematical Probability and Statistics

Spring Semester

ED 3100 Instructional Strategies
ED 3700 ELL Foundations
MATH 3520 Advanced Discrete Mathematics
MATH 3620 History of Mathematics
SPED 2100 Teaching Students with Disabilities

Year 2

Fall Semester

ED 2200 School Law and Ethics
ED 3610 Content Area Literacy
ENGL 1300 Introduction to Literature
Or ENGL 2310 American Literature Survey I
MATH 3430 Calculus III
MATH 3210 Linear Algebra

Spring Semester

Arts and Humanities
ED 2333 Technology in Teaching and Learning
MATH 3000 Foundations of Mathematical Proof
MATH 3440 Differential Equations
SPED 2000 Assessment and Positive Behavior Interventions

Year 4

Fall Semester

ED 3102 Teaching of Mathematics
ED 4100 Educational Assessments
Flex Discoveries
MATH 4260 Abstract Algebra I

Spring Semester

ED 4240 Student Teaching
ED 4250 Student Teaching