



East Stroudsburg University of Pennsylvania Department of Mathematics

B.S. in Mathematics (Secondary Education)

For Students Who Entered September 2016 or Later

University Requirements:

- 120 credits
- 2.0 or higher Quality Point Average
- 30 or more credits of 300 level or higher courses; last 32 credits at ESU
- Pass basic mathematics competency
- 42 credits in advanced course work

I. General Education Requirements.....45 credits

Required Courses: (9 credits)

- ENGL 103 (3) *Must be completed within first 45 credits at ESU* _____
- FYE (3) *Must be completed within first year of study at ESU* _____
- Health (3) *Must be completed within first 60 credits at ESU* _____

Breadth Requirement: (36 credits)

Group A – Arts and Letters (12)

Must include at least 4 of the following :

- English Language and Literature _____
- Fine Arts – Art, Communication Studies, Dance, Music, Theatre _____
- Modern Languages _____
- Performing Arts – Communication Studies, Dance, Music, Theatre _____
- Philosophy _____

Group B – Science (12)

Must include at least 4 of the following:*

- Biology _____
- Chemistry _____
- Computer Science _____
- Mathematics _____
- Physics _____
- Psychology _____

* One of the four must have completion of the Math Competency as a prerequisite

Group C – Social Science (12)

Must include at least 4 of the following:

- Economics _____
- Geography _____
- History _____
- Political Science _____
- Sociology _____

Additional (Overlay) Requirements:

The following requirements will be embedded into courses across the University, including GE Breadth courses, courses within the major programs, and elective courses, and should not require that a student complete additional credits for graduation.

- (W2) Level II Writing requirement (W3) Level III Writing requirement _____
- (G) Global Diversity and Citizenship (SLO I) requirement _____
- (C) Communication (SLO III) requirement _____
- (I) Information Literacy/Technology (SLO IV) requirement _____
- (A) Artistic Expression (SLO VI) requirement _____

II. Mathematics Course Requirements (2.5 QPA Required).....40 Credits

___ MATH 140 Calculus I	(4)	___ MATH 421 Abstract Algebra I	(3)
___ MATH 141 Calculus II	(4)	___ MATH 425 Math Modeling	(3)
___ MATH 220 Discrete Math Structures	(3)	___ MATH 430 History of Mathematics	(3)
___ MATH 240 Multivariate Calculus	(4)	___ MATH 431 Teach Math Using Technology	(3)
___ MATH 311 Statistics I	(3)	___ MATH 499 Student Teach Internship	(1)
___ MATH 320 Linear Algebra	(3)	___ MATH ELECTIVE (300 or higher)	(3)
___ MATH 351 Modern Geometry	(3)		

III. Co-Requisite.....3 Credits

___ CPSC 130 Intro to Comp Programming I	(3)
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IV. Professional Education Requirements.....36 Credits

___ PSED 150 Intro Teach All Students	(6)	___ PSED 431 Student Teach - Senior HS	(6)
___ PSED 250 Psych Learners Diverse Comm	(3)	___ PSED 436 Teach Math Sec Schools	(3)
___ PSED 420 Seminar I	(3)	___ REED 350 Teach Read Diverse Learner	(3)
___ PSED 421 Seminar II	(3)	___ SPED 350 Assess Student Learn & Behav	(3)
___ PSED 430 Student Teach - Mid/JHS	(6)		

V. A grade of C or better must be earned in all required courses (MATH and CPSC)