

**POST-BACCALAUREATE BACHELOR OF SCIENCE PROGRAM LEADING TO
CERTIFICATION IN MATHEMATICS SECONDARY EDUCATION**

2019-2020 Degree Requirements

Name _____ ID# _____

TOTAL CREDITS FOR DEGREE: 59

PREREQUISITES TO THE PROGRAM: 30-31 credits

ENGL English Composition _____	3 _____	EDUC 101 Tech Lit for Teaching	3 _____
ENGL English Literature _____	3 _____	EDUC 220 Family&Community Div	3 _____
CMPS Comp Prog Lang 200+ _____	3-4 _____	EDUC 222 Assess&Adapt	3 _____
		EDUC 228 Educational Psych	3 _____
		EDUC 250 Working w/Eng Lang Learn	3 _____
		SPED 180 Special Ed&Incl Pract	3 _____
		SPED 280 Pos Behav Interv&Supp	3 _____

MAJOR REQUIREMENTS: 59 cr.

TESTS FOR CERTIFICATION:

MATH 175 Elementary Statistics	3 _____
MATH 185 Trigonometry	2 _____
MATH 190 Calculus I	4 _____
MATH 210 Calculus II	4 _____
MATH 220 Discrete Mathematics	3 _____
MATH 230 Linear Algebra	3 _____
MATH 300 Calculus III	4 _____
MATH 310 Differential Equations	3 _____
MATH 340 Modern Applied Algebra	3 _____
MATH 410 Geometry	3 _____
EDUC 321 Literacy&Learn Midd/Sec	3 _____
EDUC 415 Teaching Midd/Sec	3 _____
EDUC 422 Data Driven Instruction	3 _____
EDUC 425 Student Teaching Practicum	12 _____
EDUC 432 Student Teaching Seminar	3 _____
SPED 380 Differ Inst Pract Incl Clssrm	3 _____

ETS-Mathematics-Content Knowledge (0061/5061)

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PROGRAM OBJECTIVES

Upon successful completion of this program, a student will be able to:

1. Utilize a variety of instructional strategies.
2. Develop instructional plans and set goals based on the content to be taught/learned, knowledge of assigned students, and the instructional context.
3. Establish and maintain purposeful and equitable classroom environments.
4. Demonstrate integrity, ethical behavior, and professional conduct as stated in the *Pennsylvania Code of Professional Practice and Conduct for Educators*.