MATHEMATICS EDUCATION REQUIREMENTS (BSE)

This emphasis is suited to students interested in a career as a mathematics educator at the secondary school level.

GPA requirement: To graduate from the College of Education and Professional Studies, students in a BSE licensure major must have at least a combined GPA of 2.75.

Licensure

Code	Title	Units
Licensure Requirements		
SPECED 205	INTRODUCTION TO SPECIAL EDUCATION	3
CIGENRL 350	INTRODUCTION TO BILINGUAL/ BICULTURAL EDUCATION AND ESL	3
EDFNDPRC 210	INTRODUCTION TO EDUCATION AND TEACHING	3
EDFOUND 212	EDUCATIONAL PSYCHOLOGY	3
EDFOUND 243	FOUNDATIONS OF EDUCATION IN A PLURALISTIC SOCIETY	3
ELEMMID 425	TEACHING MATHEMATICS IN THE ELEMENTARY/MIDDLE GRADES	3
SECNDED 428	THE TEACHING OF MATHEMATICS IN THE SECONDARY SCHOOL	3
SECNDED 466	LITERACY IN THE DISCIPLINES	3
EDFOUND 425	MEASUREMENT AND EVALUATION IN THE SECONDARY SCHOOL	3
CIGENRL 400	PEDAGOGY AND PRACTICE OF MATHEMATICAL MODELING FOR STEAM TEACHING	3
CIGENRL 470	STUDENT TEACHING SEMINAR	2
Student Teaching - Select one of the following options:		12
CIFLD 402 & CIFLD 414	DIRECTED TEACHING - ALTERNATIVE PLACEMENT MIDDLE SCHOOL and DIRECTED TEACHING-SECONDARY	
CIFLD 404 & CIFLD 412	DIRECTED TEACHING - ALTERNATIVE PLACEMENT SECONDARY SCHOOL and DIRECTED TEACHING-MIDDLE SCHOOL	
Total Units		**44**

Major

Code	Title	Units
Major Requirements		
MATH 200	MATHEMATICS: FORM AND FUNCTION	1
MATH 248	TUTORING SEMINAR	1
MATH 253	CALCULUS AND ANALYTIC GEOMETRY I	5
MATH 254	CALCULUS AND ANALYTIC GEOMETRY II	4
MATH 255	CALCULUS AND ANALYTIC GEOMETRY III	4
MATH 270	PROBLEM SOLVING FOR MATHEMATICS TEACHERS	3
MATH 280	DISCRETE MATHEMATICS	3
MATH 301	INTRODUCTION TO ANALYSIS	3
MATH 333	EUCLIDEAN GEOMETRY	3
MATH 355	MATRICES AND LINEAR ALGEBRA	3
MATH 359	PROBABILITY & STATISTICS FOR TEACHERS	3
MATH 421	MATHEMATICS FOR HIGH SCHOOL TEACHERS I	3
MATH 422	MATHEMATICS FOR HIGH SCHOOL TEACHERS II	3
MATH 433	NON-EUCLIDEAN GEOMETRY	3
MATH 452	INTRODUCTION TO ABSTRACT ALGEBRA	3
STAT 230	INTRODUCTION TO STATISTICAL REASONING AND ANALYSIS	3
Total Units		**48**