

2019

Bachelor of Science-Secondary Mathematics Education 2019-2020

Nova Southeastern University

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BACHELOR OF SCIENCE - SECONDARY MATHEMATICS EDUCATION (FLORIDA DOE STATE APPROVED PROGRAM)

FIRST YEAR SEMINAR		
UNIV 1000: First Year Seminar	3	
Total First Year Seminar Credits	3	
Area/Course		
<u>Written Composition</u>		
<i>6 credits at or above COMP 1500</i>		
Open Written Composition	3	
Open Written Composition	3	
<u>Mathematics</u>		
<i>6 credits at or above MATH 1040 satisfied in major</i>		
Satisfied in major	3	
Satisfied in major	3	
<u>Arts and Humanities</u>		
<i>6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language</i>		
HIST 1030 or HIST 1040 (preferred)	3	
Open Arts and Humanities	3	
<u>Social and Behavioral Sciences</u>		
<i>6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS</i>		
Open Social and Behavioral Science	3	
<u>Science</u>		
<i>6 credits in BIOL, MBIO, CHEM, SCIE, ENVS, PHYS</i>		
Open Science	3	
Open Science	3	
Total General Education Credits	30	
OPEN ELECTIVES		
take 4 open elective courses		
Total Open Electives Credits	12	

MAJOR		
Course	Credits	Frequency
EDUC 2500: Education Pre-Enrollment Seminar	0	FW
EDUC 2010F: Foundations of Education	3	F
*RAZT 1050: Fundamentals of Peer Education	3	F
ESOL 2903F: Cross-Cultural Studies	3	F
ESOL 3340F: Survey of TESOL for Teachers	3	W
EDUC 3350F: Survey of Exceptional Student Education	3	W
MATH 2100: Calculus I	4	FW
EDUC 3525F: Practices of Instruction	3	F
EDUC 3535F: Educational Assessment	3	F
MATH 2020: Applied Statistics or MATH Upper Level Electiv	3	FW
MATH 2200: Calculus II	4	FW
EDUC 4010F: Foundations of Curriculum Development	3	FW
MATH 3300: Introductory Linear Algebra	3	FW
CSIS 2050: Discrete Mathematics	4	FW
SECE 4320F: Secondary Classroom Management	3	FW
MATH 3400: Ordinary Differential Equations	3	W
MATH 4050: Advanced Calculus I or MATH 4350: Abstract A	3	FE/FO
SECE 4560F: Methods of Teaching Secondary Reading	3	W
MATH 4060 or MATH 4360: Advanced Calculus II or Abstrac	3	WO/WE
SECE 3540F: Methods of Teaching Secondary Mathematics	3	F
ESOL 4565F: Second Language Learning	3	F
EDUC 4510F: Race, Society, and Ethics	3	F
SEMA 4570: Secondary Mathematics Education Internship	12	FW
Florida Teacher Cert. Exam. - Subject Area Examinatic		
Florida Teacher Cert. Exam. - Professional Educator Test		
Total Major Credits	75	

* RAZT 1050 is only a required course for students in the Shark Teach Program

Freshman Year			
Fall		Winter	
Course	Credits	Course	Credits
UNIV 1000: First Year Seminar	3	Social and Behavioral Science	3
EDUC 2500: Educator Pre-Enrollment Seminar	0	COMP 2000 or COMP 2020 (Open Written Composition)	3
COMP 1500: College Writing (Open Written Composition)	3	HIST 1030 or HIST 1040 (preferred)	3
MATH 1200 Pre-Calculus Algebra (General Education Math)	3	ESOL 3340F: Survey of TESOL for Teachers	3
EDUC 2010F: Foundations of Education	3	EDUC 3525F: Practices of Instruction	3
ESOL 2903F: Cross Cultural Studies	3	MATH 1250 Trigonometry (Elective)	3
EDUC 3350F: Survey of Exceptional Student Education:	3	MATH 2020: Applied Statistics (Or MATH Upper Level)	3
Open Arts and Humanities	3		
Total Credits	21	Total Credits	21

Sophomore Year			
Fall		Winter	
Course	Credits	Course	Credits
Social and Behavioral Science	3	EDUC 4010F: Foundations of Curriculum Development	3
Open Science	3	MATH 3300: Linear Algebra	3
EDUC 3525F: Practices of Instruction	3	CSIS 2050: Discrete Mathematics	4
Open Science	3	SECE 4320F: Secondary Classroom Management	3
Open Elective	3	MATH 3400: Ordinary Differential Equations	3
		MATH 4050 or MATH 4350: Advanced Calculus or Abstract Algebra	4 credits or 3-4 credits MATH 3000/4000
MATH 2200: Calculus II	4		
Florida Teacher Cert. Exam. - Gen. Knowledge Test			
Total Credits	19	Total Credits	19

Junior Year			
Fall		Winter	
Course	Credits	Course	Credits
Elective	3	SEMA 4570: Mathematics Education Internship	12
SECE 4560F: Methods of Teaching Secondary Reading	3	Elective	3
Elective	3		
MATH 4060 or MATH 4360: Advanced Calculus II or Abstract Algebra	3		
*SECE 3540F: Methods of Teaching Secondary Mathematics II	3		
ESOL 4565F: Second Language Learning	3		
EDUC 4510F: Race, Society, Diversity, and Ethics	3		
Florida Teacher Cert. Exam. - Subject Area Examination			
Florida Teacher Cert. Exam. - Professional Educator Test			
Total Credits	21	Total Credits	15

Senior Year			
Fall		Winter	
Course	Credits	Course	Credits

Total Credits

Total Credits

TOTAL CREDITS: 120

Freshman Year				
Fall		Winter		
Course	Credits	Course	Credits	
UNIV 1000: First Year Seminar	3	COMP 2000 or COMP 2020 (Open Written Composition)	3	
EDUC 2500: Education Pre-Enrollment Seminar	0	HIST 1030 or HIST 1040 (preferred)	3	
COMP 1500: College Writing (Open Written Composition)	3	ESOL 3340F: Survey of TESOL for Teachers	3	
MATH 1200 Pre-Calculus Algebra (General Education Math)	3	EDUC 3535F: Educational Assessment	3	
EDUC 2010F: Foundations of Education	3	MATH 1250 Trigonometry (Elective)	3	
ESOL 2903F: Cross Cultural Studies	3			
Total Credits	15	Total Credits	15	
Sophomore Year				
Fall		Winter		
Course	Credits	Course	Credits	
Social and Behavioral Science	3	Open Arts and Humanities	3	
Open Science	3	Social and Behavioral Science	3	
MATH 2100: Calculus I	4	Open Science	3	
EDUC 3525F: Practices of Instruction	3	MATH 2200: Calculus IIB	3	
EDUC 3350F: Survey of ESE for Teachers	3	EDUC 4010F: Foundations of Curriculum Development	3	
Total Credits	16	Total Credits	15	
Junior Year				
Fall		Winter		
Course	Credits	Course	Credits	
MATH 3300: Linear Algebra	3	MATH 4050 or MATH 4350: Advanced Calculus or Abstract Alge	3	
MATH 2020: Applied Statistics (Or MATH Upper Level Electiv	4	or 3-4 credits MATH 3000/4000		
SECE 4320F: Secondary Classroom Management	3	SECE 4560F: Methods of Teaching Secondary Reading	3	
Elective	3	Elective	3	3
Elective	3	CSIS 2050: Discrete Mathematics	4	
		MATH 3400: Ordinary Differential Equations	3	3
Total Credits	16	Total Credits	16	
Senior Year				
Fall		Winter		
Course	Credits	Course	Credits	
MATH 4060 or MATH 4360: Advanced Calculus II or Abstract Algebra II	3	SEMA 4570: Mathematics Education Internship	12	
*SECE 3540F: Methods of Teaching Secondary Mathematics II	3			
ESOL 4565F: Second Language Learning	3			
EDUC 4510F: Race, Society, and Ethics	3			
Elective	3			
Florida Teacher Cert. Exam. - Subject Area Examination				
Florida Teacher Cert. Exam. - Professional Educator Test				
Total Credits	15	Total Credits	12	
TOTAL CREDITS: 120				

*Supervised Field Experience