

2019

Bachelor of Science-Computer Science Education 2019-2020

Nova Southeastern University

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FIRST YEAR SEMINAR		
UNIV 1000: First Year Seminar	3	
Total First Year Seminar Credits	3	
Area/Course		
<u>Written Composition</u>		Credits Frequency
<i>6 credits at or above COMP 1500</i>		
Open Written Composition	3	
Open Written Composition	3	
<u>Mathematics</u>		
<i>6 credits</i>		
MATH 2100: Calculus I	4	
MATH 2200: Calculus II	4	
<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	
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	32	
OPEN ELECTIVES		
take 2 open elective courses		
Total Open Electives Credits	6	

MAJOR		
Course	Credits	Frequency
EDUC 2500: Education Pre-Enrollment Seminar	0	FW
EDUC 2010F: Foundations of 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
CSIS 1800: Introduction to Computer and Information Science	3	FW
CSIS 2101: Fundamentals of Computer Programming	4	FW
EDUC 3525F: Practices of Instruction	3	F
EDUC 3535F: Educational Assessment	3	F
CSIS 2050: Discrete Mathematics	4	FW
EDUC 4010F: Foundations of Curriculum Development	3	FW
CSIS 3101: Advanced Computer Programming	4	W
CSIS 3400: Data Structures	3	FW
SECE 4320F: Secondary Classroom Management	3	F
CSIS 3020: Web Programming and Design	3	F
CSIS 4020: Mobile Computing	3	W
SECE 4560F: Methods of Teaching Secondary Reading	3	W
CSIS 3750: Software Engineering	4	W
SECE 4380F: Methods of Teaching Computer Science	3	F
ESOL 4565F: Second Language Learning	3	F
EDUC 4510F: Race, Society, and Ethics	3	F
CSIS 4010: Computer Security	3	F
CSEA 4570: Computer Science Education Internship	12	FW
<i>Florida Teacher Cert. Exam. - Gen. Knowledge Test</i>		
Florida Teacher Cert. Exam. - Subject Area Examination		
Florida Teacher Cert. Exam. - Professional Educator Test		
Total Major Credits	80	

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: Educaton 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 2100: Calculus I	4	EDUC 3535F: Educational Assessment	3	
EDUC 2010F: Foundations of Education	3	MATH 2200: Calculus II	4	
ESOL 2903F: Cross Cultural Studies	3			
Total Credits	16	Total Credits	16	
Sophomore Year				
Fall			Winter	
Course	Credits	Course	Credits	
Social and Behavioral Science	3	Open Science	3	
CSIS 1800: Introduction to Computer and Information Science	3	Open Science	3	
CSIS 2101: Fundamentals of Computer Programming	4	CSIS 2050: Discrete Mathematics	4	
EDUC 3350F: Survey of Exceptional Student Education	3	EDUC 4010F: Foundations of Curriculum Development	3	
EDUC 3525F: Practices of Instruction	3	CSIS 3101: Advanced Computer Programming	4	
		Florida Teacher Cert. Exam. - Gen. Knowledge Test		
Total Credits	16	Total Credits	17	
Junior Year				
Fall			Winter	
Course	Credits	Course	Credits	
Social and Behavioral Science	3	CSIS 4020: Mobile Computing	3	
Open Arts and Humanities	3	Elective	3	
CSIS 3400: Data Structures	3	SECE 4560F: Methods of Teaching Secondary Reading	3	
SECE 4320F: Secondary Classroom Management	3	CSIS 3750: Software Engineering	4	
CSIS 3020: Web Programming	3	Elective	3	
Total Credits	15	Total Credits	16	
Senior Year				
Fall			Winter	
Course	Credits	Course	Credits	
SECE 4380F: Methods of Teaching Computer Science	3	CSEA 4570: Computer Science Education Internship	12	
ESOL 4565F: Second Language Learning	3			
EDUC 4510F: Race, Society, and Ethics	3			
CSIS 4010: Computer Security	3			
Florida Teacher Cert. Exam. - Subject Area Examination				
Florida Teacher Cert. Exam. - Professional Educator Test				
Total Credits	12	Total Credits	12	
TOTAL CREDITS: 120				

Freshman Year			
Fall		Winter	
Course	Credits	Course	Credits
UNIV 1000: First Year Seminar	3	COMP 2000 or COMP 2020	3
EDUC 2500: Education Pre-Enrollment Seminar	0	MATH 1050: Concepts in Geometry & Logic	3
COMP 1500: College Writing	3	HIST 1030 or HIST 1040 (preferred) (Arts & Humanities)	3
MATH 1040: Algebra for College Students	3	ESOL 3340: Survey of TESOL for Teachers	3
EDUC 2010: Foundations of Education	3	EDUC 3535: Educational Assessment	3
ESOL 2903: Cross Cultural Studies	3		
Total Credits	15	Total Credits	15
Sophomore Year			
Fall		Winter	
Course	Credits	Course	Credits
Science	3	Open Arts & Humanities	3
PSYC 1020 (preferred) (Soc & Beh Science)	3	Physical Science, PHYS 1020 preferred	3
EDUC 3525: Practices of Instruction	3	PSYC 2350 or PSYC 2360 or PSYC 2370 (preferred)	3
EDUC 3350: Survey of Exceptional Student Education	3	ELEM 3810: Assessing Literacy in the Elementary School	3
EDUC 3360: Educational Psychology	3	EDUC 4010: Foundations of Curriculum Development	3
Total Credits	15	Total Credits	15
Junior Year			
Fall		Winter	
Course	Credits	Course	Credits
ELEM 3550: Methods of Teaching Science in the Elementary School	3	ELEM 4535: Inquiry Approaches to STEM Education in the Elementary School	3
EDUC 4322: Foundations of Classroom Management	3	ELEM 4560: Methods of Teaching Reading Across the Elementary School	3
ELEM 4350: Methods of Teaching Mathematics in the Elementary School	3	Open Elective	3
ELEM 3530: Methods of Teaching Social Studies	3	Open Elective	3
Open Elective	3	Open Elective	3
Open Elective	3		
Total Credits	18	Total Credits	15
Senior Year			
Fall		Winter	
Course	Credits	Course	Credits
ESOL 4565: Second Language Learning	3	ELEM 4570: Elementary Education Internship	12
ELEM 4810: Integrating PE & Health Education into the Elementary School Curriculum	3		
*ELEM 4815: Integrating Art and Music Education Across the Elementary School Curriculum	3		
ELEM 4340: Methods of Teaching Language Arts	3		
EDUC 4510: Race, Society, Diversity, and Ethics	3		
Florida Teacher Cert. Exam. - Subject Area Examination			
Florida Teacher Cert. Exam. - Professional Educator Test			
Total Credits	15	Total Credits	12
TOTAL CREDITS: 120			

* Indicates Supervised Field Experience Requirement