MASTER OF NATURAL SCIENCES EDUCATION, PLAN C (M.N.S.E.)

Requirements Effective Fall 2021

OPTION 1:	Title	Credits
Education Courses		
EDRM 602	Action Research	3
EDUC 619	Curriculum Development	3
or NSCI 612	Myth Busters - Science/Controversy/Evalu	ation
EDUC 660	Advanced Methods-Science and Math Instruction	3
Natural Science Cour	rses	
Select at least 18 cre	dits from the following:	18-19
NSCI 619A	Physics for Educators: Optics	
NSCI 619B	Physics for Educators: Mechanics	
NSCI 620	Chemistry for Science Educators	
NSCI 630	Spectroscopy for Science Educators	
NSCI 640	Energetics for Science Educators	
NSCI 650	Pollution and Environmental Biology for Educators	
NSCI 660	Evolutionary Biology for Educators	
NSCI 670	Earth Sciences for Educators	
STAR 511	Design and Data Analysis for Researchers I	
Independent Study		
NSCI 695	Independent Study for the MNSE ¹	3
Program Total Credits	e:	20.21
	3.	30-31
Code OPTION 2:	Title	Credits
Code OPTION 2:		
Code	Title	Credits
Code OPTION 2: Education Courses EDRM 602	Title Action Research	Credits
Code OPTION 2: Education Courses EDRM 602 EDUC 619	Title Action Research Curriculum Development	Credits 3
Code OPTION 2: Education Courses EDRM 602	Title Action Research	Credits 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction	Credits 3 ation
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction	Credits 3 ation
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour	Title Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction ses dits from the following:	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction ses dits from the following: Physics for Educators: Optics	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics	Credits 3 3 ation 3
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Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A NSCI 619B NSCI 620	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalu Advanced Methods-Science and Math Instruction ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A NSCI 619B NSCI 620 NSCI 630	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalue Advanced Methods-Science and Math Instruction Ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics Chemistry for Science Educators Spectroscopy for Science Educators	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A NSCI 619B NSCI 620 NSCI 630 NSCI 640	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalue Advanced Methods-Science and Math Instruction Ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics Chemistry for Science Educators Spectroscopy for Science Educators Energetics for Science Educators Pollution and Environmental Biology for	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A NSCI 619B NSCI 620 NSCI 630 NSCI 640 NSCI 650	Action Research Curriculum Development Myth Busters – Science/Controversy/Evalue Advanced Methods-Science and Math Instruction ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics Chemistry for Science Educators Spectroscopy for Science Educators Energetics for Science Educators Pollution and Environmental Biology for Educators	Credits 3 3 ation 3
Code OPTION 2: Education Courses EDRM 602 EDUC 619 or NSCI 612 EDUC 660 Natural Science Cour Select at least 15 cre NSCI 619A NSCI 619B NSCI 620 NSCI 630 NSCI 640 NSCI 650 NSCI 660	Action Research Curriculum Development Myth Busters — Science/Controversy/Evalue Advanced Methods-Science and Math Instruction ses dits from the following: Physics for Educators: Optics Physics for Educators: Mechanics Chemistry for Science Educators Spectroscopy for Science Educators Energetics for Science Educators Pollution and Environmental Biology for Educators Evolutionary Biology for Educators	Credits 3 3 ation 3

Research

NSCI 698 Research Experience in Natural Sciences ² 6

Program Total Credits:

30-31

- The independent study requires enrollment in the summer session after completing the program's course requirements. It involves weekly meetings of the student with her/his research advisor, but does not require full-time residency on campus.
- The research experience requires full time enrollment in the summer session after completing the program's course requirements. Instructors are graduate student advisors who hold regular faculty appointments in the Departments of Biology, Chemistry, or Physics.