

Science Education, Middle Grades Science (6-9) Concentration 2024-2025

Freshman Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
UNV 1000	Freshman Seminar	1		ENG 1060	Composition II	3
ENG 1050	Composition I	3		EDN 2100	Introduction to Education	3
MAT 1070	College Algebra	3		CHM 1300	General Chemistry I	3
BIO 1000	Principles of Biology	3		CHM 1100	General Chemistry Laboratory I	1
BIOL 1000	Laboratory Investigation and Experiences in General Biology	1		General Education	Physical Education	1
General Education	Social Science	3		General Education	Fine Art	3
General Education	Social Science	3				
Total Credits		17		Total Credits		14

Sophomore Year						
<ul style="list-style-type: none"> • Keep your grades high. You need a 2.7 GPA for admission to the Teacher Education Program • Study for the Praxis CORE if you do not have the SAT or ACT scores for exemption from taking the Praxis Core. • Plan to take Praxis CORE during the Fall of your Sophomore year • Plan to apply to Admission to Teacher Education Program Spring of Sophomore year <ul style="list-style-type: none"> ○ You must have a 2.7 GPA or higher ○ You must have successful completion of EDN 2100 ○ You must have less than 9 hours of General Education courses remaining ○ You must have passing Praxis Core, SAT or ACT scores 						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 1030	Basic Human Biology	3		EDN 3140	Aspects of Human Development and Educational Psy (6-12)	3
General Education	Social Science	3		MAT 2100	Introduction to Statistics	3
CHM 1310	General Chemistry II	3		GLY 1150	Earth Science	3
CHM 1110	General Chemistry Laboratory II	1		GLYL 1150	Earth Science Lab	1
General Education	Physical Education	1		General Education	Philosophy and Religion	3
General Education	Literature	3		SED 3310	Introduction to Exceptional Children	3
Total Credits		14		Total Credits		16

*****ALL GENERAL EDUCATION COURSES CAN BE INTERCHANGED*****

Twelve hours of natural sciences and mathematics within this degree count toward general education requirements. For this reason, it is important that students only take those natural sciences and mathematics course required by the degree program.

QPA Requirements for Baccalaureate Graduation: "Have a minimum overall cumulative quality point average of 2.0 and have a minimum cumulative quality point average of 2.0 in all work attempted at the University of North Carolina at Pembroke; Have a minimum overall cumulative quality point average of 2.0 in the major field of study"

Junior Year						
• Apply for the Professional Semester and Graduation during the Spring of Junior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 3040	Principles of Ecology	4		GLY 1250 (Spring only)	Earth History	3
PHS 1560	Astronomy	3		GLYL 1250	Earth History Lab	1
PHY 1500	College Physics I	3		PHY 1500	College Physics II	3
PHY 1560	College Physics I Lab	1		PHY 1560	College Physics II Lab	1
**EDN 3130	Content Area Literacy	3		GLY 2460	Weather and Climate	3
SCE 3000	Early Experiences for Prospective Science Teachers	1		SCE 3010	Early Laboratory Experiences for Prospective Science Teachers	2
				General Education	Elective- Arts and Humanities or Social Sciences	3
Total Credits		15		Total Credits		16
Senior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
BIO 1010	Botany	4		SCE 4490	Internship in Science in Middle/ Secondary Schools	9
SCE 3500	The Teaching of Science in the Middle Grades (6-9)	3		SCE 4750	Professional Seminar in Science in Middle/ Secondary Schools	3
General Education	History	3				
ENV 1100	Environmental Science	3				
GLY 3100	Minerals and Rocks	3				
Total Credits		16		Total Credits		12

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