

Science Education, Chemistry (9-12) 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 1	3		General Education	History	3
MAT 2210	Calculus I	4		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	Fine Art	3
General Education	Social Science	3		General Education	Physical Education	1
General Education	Physical Education	1				
Total Credits		16		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
EDN 2100	Introduction to Education	3		EDN 3140	Aspects of Human Development and Educational Psy (6-12)	3
General Education	Literature	3		General Education	Social Science	3
CHM 1310	General Chemistry II	3		GLY 1250 <i>Spring only</i>	Earth History	3
CHM 1110	General Chemistry Laboratory II	1		GLYL 1250 <i>Spring only</i>	Earth Science Lab	1
GLY 1150	Earth Science	3		General Education	Philosophy and Religion	3
GLYL 1150	Earth Science Lab	1		SED 3310	Intro 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 1010 or BIO 1020	General Botany or General Zoology	4		PHY 1510	College Physics II	3
General Education	Elective-Arts and Humanities or Social Sciences	3		PHY 1570	College Physics II Lab	1
PHY 1500	College Physics I	3		SCE 3010	Early Laboratory Experiences for Prospective Science Teachers	2
PHY 1560	College Physics I Lab	1		CHM 2500	Organic Chemistry I	3
CHM 2260	Elementary Inorganic Chemistry	4		CHM 2520	Organic Chemistry I Lab	1
SCE 3000	Early Experiences for Prospective Science Teachers	1		CHM 2270	Analytical Chemistry	4
				*EDN 3130	Content Area Literacy	3
Total Credits		16		Total Credits		17

Senior Year						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
CHM 3980	Scientific Literature	2		SCE 4490	Internship in Science in Middle/ Secondary Schools	9
SCE 4000	Teaching Science in the Secondary School	3		SCE 4750	Professional Seminar in Science in Middle/ Secondary Science	3
CHM 2510	Organic Chemistry II	3				
CHM 2540	Organic Chemistry II Lab	1				
CHM 3110	Biochemistry	3				
General Education	Social Science	3				
Total Credits		15		Total Credits		12

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