

### Science Education, Earth Science (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 1070	College Algebra	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	Physical Education	1
General Education	Social Science-PSY1010	3		General Education	Fine Art	3
General Education	Physical Education	1		General Education	Social Science	3
<b>Total Credits</b>		16		<b>Total Credits</b>		17
Sophomore Year						
<ul style="list-style-type: none"> <li>• Keep your grades high. You need a 2.7 GPA for admission to the Teacher Education Program</li> <li>• Study for the Praxis CORE if you do not have the SAT or ACT scores for exemption from taking the Praxis Core.</li> <li>• Plan to take Praxis CORE during the Fall of your Sophomore year</li> <li>• Plan to apply to Admission to Teacher Education Program Spring of Sophomore year               <ul style="list-style-type: none"> <li>○ You must have a 2.7 GPA or higher</li> <li>○ You must have successful completion of EDN 2100</li> <li>○ You must have less than 9 hours of General Education courses remaining</li> <li>○ You must have passing Praxis Core, SAT or ACT scores</li> </ul> </li> </ul>						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
GLY 1000 or GLY 1150	Physical Geology or Earth Science	3		EDN 3140	Aspects of Human Development and Educational Psy (6-12)	3
GLYL 1000 or GLYL 1150	Physical Geology Lab or Earth Science Lab	1		GLY 1250	Earth History	3
EDN 2100	Introduction to Education	3		GLYL 1250	Earth History Lab	1
General Education	Literature	3		General Education	Philosophy and Religion	3
General Education	Social Science	3		SED 3310	Introduction to Exceptional Children	3
CHM 1310	General Chemistry II	3		PHS 1560	Astronomy	3
CHM 1110	General Chemistry Laboratory II	1		MAT 1080		
<b>Total Credits</b>		17				16

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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"

<b>Junior Year</b>						
<b>• Apply for the Professional Semester and Graduation during the Spring of Junior Year</b>						
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		GLY 2260	Oceanography	3
*EDN 3130	Content Area Literacy	3		GLY 2460	Weather and Climate	3
SCE 3000	Early Experiences for Prospective Science Teachers	1		GLY 2620	Environmental Geology	3
<b>Total Credits</b>		<b>15</b>		<b>Total Credits</b>		<b>15</b>
<b>Senior Year</b>						
Fall				Spring		
Course Number	Course Title	Credits		Course Number	Course Title	Credits
SCE 4000	Teaching Science in the Secondary School	3		SCE 4490	Internship in Science in Middle/ Secondary Schools	9
GLY 3250	Paleontology	3		SCE 4750	Professional Seminar in Science in Middle/ Secondary Schools	3
GLY 3100	Minerals and Rocks	3				
GLY 3110	Minerals and Rocks Lab	1				
University Wide Elective		2				
<b>Total Credits</b>		<b>12</b>		<b>Total Credits</b>		<b>12</b>

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

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