

### SETH Bachelor of Science in Science Education (9-12) Earth Science Concentration

<b>Freshman Seminar/General Education</b>		<b>45(33)*</b>	<b>* Twelve hours of natural sciences and mathematics may count toward general education requirements</b>						
	UNV 1000	1	Freshman Seminar	<i>Students transferring in more than 15 credit hours are exempt.</i>					
<b>Communication Skills</b>		<b>6 hours total</b>							
	ENG 1050	3	Composition I						
	ENG 1060	3	Composition II						
<b>Arts &amp; Humanities</b>		<b>12 hours total</b>	<i>Choose one course from each of the 4 areas</i>						
	Fine Arts	3	ART 1450, 2050, 2080, 2090, MUS 1020, 1040, 2940, 2980, THE 2500						
	Literature	3	ENG 2010,2020,2030,2050,2060, 2080, 2090, 2100, 2180, 2190, 2230, 2240, 2410, 2470, 2480, AIS 2200						
	History	3	HIS 1010,1020,1030,1100,1110,1140,1150,AIS 1100, AIS1110						
	Philosophy/Religion	3	PHI 1000, 1010, 2040, 2070,REL 1080, 1300						
<b>Social Sciences</b>		<b>9 hours total</b>	<i>Choose one course from each of 3 out of these 5 areas</i> <b>Economics</b> ECN 1000, 2020, 2030, 2410 <b>Geography</b> GGY 1010, 1020, 2000, 2060, <b>Political Science</b> PLS 1000, 1010, <b>Psychology</b> PSY 1010, <b>Sociology</b> SOC 1020, 1050, 2090						
		3							
		3							
		3							
<b>General Education Elective</b>		<b>3 hours</b>	Any additional course from the Arts & Humanities Division or Social Science Division as listed in the General Education Requirements section of the current <i>UNCP Academic Catalog</i> .						
		3							
<b>Physical Education</b>		PED 1010, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1410, 1450, 1460, 1770, 1790, 1800 (MSC), 1810(THE), 1820(THE), 1900,1910, 1950							
	PED 1	1							
	PED 1	1							
<b>Professional Education Requirements*</b>		<b>12 hours total</b>							
	EDN 2100	3	Introduction to Education (Required for admission to the Teacher Education Program. Prerequisites: 30 semesters hours and a GPA of 2.7 or better)						
	SED 3310	3	Introduction to the Exceptional Child						
	EDN 3140	3	Aspects of Human Development and Educational Psychology for Grades 6-12						
	EDN 3130	3	Content Area Literacy (Must be admitted to the Teacher Education Program to take this class. A GPA of 2.7 or better and passing Praxis scores are required to be admitted to the Teacher Education Program)						
<b>Essential Standards *</b>		<b>57 hours total</b>	<b>Earth Science (9-12) Concentration</b>						
	GLY 1000 & 1000L or GLY 1150 & 1150L	4	Physical Geology and Lab or Earth Science and Lab						
	GLY 1250 & 1250L	4	Earth History and Lab						
	GLY 2260	3	Oceanography						
	GLY 2460	3	Weather and Climate						
	GLY 2620	3	Environmental Geology						
	GLY 3100 and GLY 3110L	4	Minerals and Rocks and Lab						
	GLY 3250	3	Paleontology						
	MAT 1090	4	Pre-calculus						
	CHM 1300 & 1100	4	General Chemistry I and lab						
	CHM 1310 & 1110	4	General Chemistry II and lab						
	BIO 1000 & 1000L	4	Principles of Biology and Lab						
	BIO 1010 or BIO 1020	4	General Botany (must sign up for both lab and lecture at the same time) or General Zoology (must sign up for both lab and lecture at the same time)						
	PHY 1500 & 1560	4	College Physics I and lab						
	PHY 1510 & 1570	4	College Physics II and lab						
	PHS 1560	3	Astronomy						
	2 hours of science electives	2							
<b>Content Pedagogy*</b>		<b>18 hours total</b>							
	SCE 3000	1	Early Experiences for Prospective Science Teacher						
	SCE 3010	2	Early Laboratory Experiences for Prospective Science Teacher						
	SCE 4000	3	Teaching Science in the Secondary School						
	SCE 4490***	9	Internship in Science in Middle/Secondary Schools						
	SCE 4750***	3	Professional Seminar in Middle/Secondary Science						

\*Science Education Majors must earn a "C-" or better in all courses listed under the indicated sections. A grade of "C" or better must be earned in repeated courses.

\*\*\*These are the only courses that can be taken during the Professional Semester. The Professional Semester is the final semester.