

**SCIENCE EDUCATION
EARTH SPACE SCIENCE CONCENTRATION
Grade Levels 5-12
REPA 3**

NOT VALID WITHOUT OFFICIAL TRANSCRIPT EVALUATION

<u>CONTENT</u>	<u>Semester Hours</u>
EAPS 24300 Earth Materials I	4
EAPS 35300 Earth Surface Processes	3
EAPS 35400 Plate Tectonics	3
EAPS 39000 Geologic Field Methods	3
<i>One of the following:</i>	6
EAPS 49000 Field Geology in Rocky Mountains (6)	
EAPS 3XXXX Geology Field Experience (6)	
<i>One of the following:</i>	3
EAPS 11800 Introduction to Earth Sciences (3)	
EAPS 11100 Physical Geology (3)	
<i>One of the following:</i>	3
EAPS 10900 The Dynamic Earth (3)	
EAPS 11200 Earth Through Time (3)	
EAPS 31900 Exploring Earth Through Time (3)	
<i>Electives (Select three from the following):</i>	9
ASTR 26300 Descriptive Astronomy: The Solar System (3)	
ASTR 26400 Descriptive Astronomy: Stars and Galaxies (3)	
EAPS 10400 Oceanography (3)	
EAPS 10500 The Planets (3)	
EAPS 11500 Dinosaurs (3)	
EAPS 11600 Earthquakes and Volcanoes (3)	
EAPS 11700 Introduction to Atmospheric Science (3)	
EAPS 12000 Introduction to Geography (3)	
EAPS 13800 Thunderstorms and Tornadoes (3)	
EAPS 22100 Survey of Atmospheric Science (3)	
EAPS 22500 Science of the Atmosphere (3)	
<i>One of the following:</i>	4-5
CHM 11500 General Chemistry (4)	
CHM 12500 Introduction to Chemistry I (5)	

(Earth/Space Science continued)

			Semester Hours
One of the following:			4-5
CHM	11600	General Chemistry (4)	
CHM	12600	Introduction to Chemistry II (5)	
CHM	12901	General Chemistry with a Biological Focus (5)	
CHM	13600	General Chemistry Honors (4)	
One of the following:			4
PHYS	17200	Modern Mechanics (4)	
PHYS	22000	General Physics (4)	
One of the following:			4
PHYS	22100	General Physics (4) OR	
PHYS	27200	Electric and Magnetic Interactions (4) OR	
PHYS	24100	Electricity and Optics (3) AND	
PHYS	25200	Electricity and Optics Laboratory (1)	
			<hr/> Total 50-52

PROFESSIONAL EDUCATION

Foundational Courses

EDCI	20500	Exploring Teaching as a Career	3
EDCI	27000	Introduction to Education Technology and Computing	3
EDCI	28500	Multiculturalism and Education	3
EDPS	23500	Learning and Motivation	3
EDPS	26500	The Inclusive Classroom	3
EDST	20010	Educational Policies and Laws	1
EDPS	32700	Assessment Literacy	1-2
EDPS	XXXXX	Secondary Classroom Management course*	1

*If EDPS XXXXX is offered, students should make every attempt to take EDPS 32700 for one (1) credit and EDPS XXXXX for one (1) credit. If EDPS XXXXX is not offered, EDPS 32700 should be taken for two (2) credits.

Methods Courses

EDCI	30900	Reading in Middle and Secondary Schools: Methods and Problems	3
EDCI	42400	The Teaching of Earth/Physical Science in Secondary Schools	3
EDCI	42800	Teaching Science in the Middle and Junior High School	2
EDCI	49800	Supervised Teaching	10
			<hr/> Total 36