

**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 10500 The Planets	3
EAPS 11700 Introduction to Atmospheric Science	3
EAPS 20000 Water World	3
EAPS 24300 Earth Materials I	4
EAPS 35300 Earth Surface Processes	3
EAPS 35400 Plate Tectonics	3
EAPS 39000 Geologic Field Methods	3
One of the following:	3
EAPS 11800 Introduction to Earth Sciences (3)	
EAPS 11100 Physical Geology (3)	
One of the following:	3
EAPS 10900 The Dynamic Earth (3)	
EAPS 11200 Earth through Time (3)	
One of the following:	4-5
CHM 11500 General Chemistry (4)	
CHM 12500 Introduction to Chemistry I (5)	
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)	
Total Content 44-46	
 <u>PROFESSIONAL EDUCATION</u>	
<u>Foundational Courses</u>	
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

**Semester
Hours**

(Earth/Space Science continued)

EDPS	26500	The Inclusive Classroom	3
EDST	20010	Educational Policies and Laws	1
EDPS	32700	Classroom Assessment	1
EDPS	43010	Secondary Creating and Managing Learning Environments	1

Methods Courses

EDCI	30900	Reading in Middle and Secondary Schools: Methods and Problems	3
EDCI	42400	The Teaching of Earth and Physical Science in the Secondary Schools	3
EDCI	49800	Supervised Teaching (16 weeks)	10

One of the following: 2-3

EDCI	42800	Teaching Science in the Middle and Junior High School (2)	
EDCI	55800	Integrated Science, Technology, Engineering and Mathematics (STEM) Education Methods-Secondary (3)	

Total Professional Education 36-37