

## Earth Science / Composite Teaching Major

This major meets State requirements for Endorsements in Earth Science and / or Integrated Science

Course No.	Course Title	Credit Hrs.
<b>CORE Courses (taken by all Earth Science majors):</b>		
GEO 1110	Introduction to Earth Systems	3
GEO 1115	Introduction to Earth Systems Lab	1
GEO 1220	Earth History	3
GEO 3080	Earth Materials I	4
GEO 3090	Earth Materials II	3
GEO 4500	Field Methods	3
	<b>Subtotal</b>	<b>17</b>
<b>Allied Science Required Courses:</b>		
CHEM 1210	General Chemistry I	4
CHEM 1215	General Chemistry I Lab	1
CHEM 1220	General Chemistry II	4
CHEM 1225	General Chemistry II Lab	1
MATH 1050	College Algebra	4
MATH 1070	Introductory to Statistical Inference	3
PHYS 2010	General Physics I	4
PHYS 2015	General Physics I Lab	1
PHYS 2020	General Physics II	4
PHYS 2025	General Physics Lab II	1
ATMOS 1010	Severe & Unusual Weather	3
ASTR 1060	The Universe <b>or</b>	3
ASTR 2060	Popular Observational Astronomy	
GEO 3030	Living with Earthquakes & Volcanoes	3
BIOL 1400	Introduction to Environmental Science	3
WRTG 2010	Writing	3
	<b>Subtotal</b>	<b>42</b>
<b>Degree Program Electives:</b>		
GEO 1XXX	Elective 1	3
GEO 3XXX	Elective 2	3
	<b>or</b>	
BIOL 1210	Principles of Biology	4
BIOL 2210	Human Genetics	3
	<b>Subtotal</b>	<b>6 or 7</b>

<b>Secondary Education Courses:</b>		
EDU 1010	Introduction to Teaching	3
EDU 5375	Science Methods	3
ETHNC 2XXX	Ethnic Studies (Choose one from: 2550, 2560, 2570, 2580, or 2590)	3
ECS 3150	Introduction to Multicultural Education	3
ED_PS 3030	Research & Inquiry in Education	3
ELP 3410	Education Law & Policy for Classroom Teachers	3
SP_ED 5012	Teaching Students with Disabilities In Inclusive Secondary Classroom	3
PSY 1230	Psychology of Adolescence	3
ECS 5709	Building Family-School Partnerships for Youth Success	3
ED_PS 5151	Educational Applications of Technology: Grades 6-12	3
LING 5812	Content Based Language Teaching	3
SP_ED 5021	Principles of Assessment & Data-Based Decision Making	3
SP_ED 5022	Principles of Instruction & Behavioral Support	3
EDU 5200	Teacher Language Awareness	3
ECS 5645	Assessment of Linguistically Diverse Populations	3
	Subtotal	<b>45</b>
<b>SUMMARY</b>		
	GEO Core Courses	17
	Allied science required courses	42
	Degree program electives (6-7)	6
	Secondary Education courses (minimum) **	45
	University Requirements ***	18
	<b>TOTAL</b>	<b>128</b>

\* **Note:** This major allows the student to meet the State requirements for Endorsements in Earth Science, Physical Science and / or Environmental Science and most of the requirements for a Secondary Education Teaching License. Students must meet with both the Earth Science Composite Teaching Major Advisor (in the Department of Geology and Geophysics) and the Secondary Education Teaching Advisor (in the College of Education, 581-6818). Students must meet the plan outlined in the Earth BS.T DARS report to graduate. Students are granted Licensure when the requirements listed in the Secondary Education DARS report are completed.

\*\* Secondary education courses. Students must meet with the ESCTM advisor in the Department of Geology and Geophysics and the Secondary Education Advisor in the College of Education.

\*\*\* Several courses in the major double count as University Requirements. (See ESCTM advisor and the Secondary Education Advisor.)

Updated 5/30/2011