

**BACHELOR OF ARTS/SCIENCE  
EARTH SCIENCE with SECONDARY CERTIFICATION  
2011-2012**

BA   
BS

GENERAL EDUCATION CORE				
SKILLS COMPONENT	REQ	DONE	GRADE	NEED
ENGL 101 & 102	6			
ENGL 109				
COMM 101, 202, 203, 204, 205	3			
MATH 143 & 144 OR MATH 147	5			
<b>HUMANITIES one Lit and one Art course (6 cr. required)</b>				
ENGL 150, ENGL 257, ENGL 258, HUM 301	3			
ART 100, HUM 101, HUM 150, MUS 101, THEA 101	3			
<b>NATURAL SCIENCES two courses required (7 cr. required)</b>				
NS 150	3			
CHEM 111	4			
<b>SOCIAL SCIENCE three courses required (9 cr. required)</b>				
GEOG 102	3			
PSYC 205	3			
<i>and one of the following:</i>				
ANTH 102, 120, 170	3			
ECON 101, 102, 201, 202				
HIST 101, 102, 111, 112, 115				
HRPT 184, 185				
POLS 101, 285				
PSYC 101				
SOC 101, 102				
SS 150, 184, 185				
<b>INTEGRATIVE COMPONENT one course required</b>				
ID, HUM, NS, SS 350	3			
ID, HUM, NS, SS 351				
<b>TOTAL</b>				
	<b>39</b>			
FOREIGN/HERITAGE LANGUAGE				
	REQ	DONE	GRADE	NEED
101 8 cr required; take 16 cr if a	4			
102 BA degree is desired.	4			
201	0			
202	0			
<b>TOTAL</b>	<b>8</b>			
SUMMARY				
GENERAL EDUCATION CORE	39			
ELECTIVES	0			
LANGUAGE	8			
NATURAL SCIENCE PROGRAM	52			
SECONDARY EDUCATION	37			
<b>TOTAL</b>	<b>136</b>			

**128 Total Credit (minus remedial):**

**36 Upper Div. Credit:**

**32 Resident Credit (LCSC):**

See Catalog section "Education Division: Secondary Teacher Certification" regarding certification requirements for this major. Selective course choices could be affected.

Additional requirements must be met for teacher certification. See your Education Division advisor for details.

**NOTES, COMMENTS, SUBSTITUTIONS, WAIVERS**


EARTH SCIENCE PROGRAM					
PROGRAM REQUIREMENTS		REQ	DONE	GRADE	NEED
CHEM 111	Principles of Chemistry I				Counted in core
CHEM 112	Principles of Chemistry II	4			
GEO 120	Introduction to Earth Systems	4			
GEO 100	Environmental Earth Science	4			
GEO 102	Historical Geology	4			
GEO 313	Earth Materials I	4			
GEO 314	Earth Materials II	4			
GEO 450	Earth Systems Capstone	3			
MATH 143/144	Precalc Algebra/Precalc Trig OR				Counted in core
MATH 147	Precalculus				
MATH 170	Calculus I	4			
NS 380	Senior Seminar	1			
PHYS 205	Descriptive Astronomy	4			
PHYS 111 or 211	... Physics I	4			
PHYS 112 or 212	... Physics II	4			
<b>SELECTIVES: Any GEOL or GIS courses numbered 200 or higher</b>					
GEOL		8			
GEOL					
GEOL					
GEOL					
<b>TOTAL</b>		<b>52</b>			

SECONDARY EDUCATION CERTIFICATION REQUIREMENTS					
<i>Application for admission to the Teacher Education Program is required after successful completion of Phase I courses.</i>					
PHASE I - Professional Foundations of Education		REQ	DONE	GRADE	NEED
ED 214	Princ of Educ/Field Experience	3			
ED 318	Assessment of Learning	3			
ED 321	Educational Psychology	3			
PHASE II - Professional Studies in Education					
ED 329	Culturally Responsive Classroom	1			
ED 453	Media & Tech for Tchg 6-12	3			
ED 454	Professional Teaching Strategies	3			
ED 456	Content Methods	2			
RE 422	Reading in the Content Area	3			
SE 322	Inclusion Strategies K-12	3			
PHASE III - Professional Internship (taken as your final semester)					
ED 452	Internship Seminar	1			
ED 460	Professional Internship in Educ 6-12	12			
<b>Subtotal Credits - Secondary Ed Certification</b>		<b>37</b>			
<b>TOTAL CREDITS - Earth Sci Major w/Sec Ed Cert</b>		<b>89</b>			

No grade lower than a "C-" will be accepted in any General Education core, Content Major, or Professional Foundations course. No grade lower than a "B-" will be accepted in any Professional Studies or Professional Internship secondary ed course.

A minimum cumulative GPA of 2.75 is required for admission into the Secondary Teacher Education Program. Candidates must also maintain a 3.0 cumulative GPA in their content area classes.

Secondary certification candidates must meet the graduation requirements for their major and the Secondary Teacher Education Program and must have two advisors. (see below)