

2009-2011  
**B.A. Degree in Earth Science Education**  
 College of Liberal Arts and Sciences  
 Iowa State University

Semester 1	FRESHMAN YEAR		Semester 2
Critical Thinking and Communication - ENGL 150	3	History of the Earth - GEOL 102	3
Library Instruction - LIB 160	0.5	History of the Earth Lab - GEOL 102L	1
The Earth - GEOL 100	3	General Chemistry - CHEM 178	3
The Earth Laboratory - GEOL 100L	1	Laboratory in General Chemistry - CHEM 178L	1
General Chemistry - CHEM 177	4	Sky and Solar System - ASTRO 120	3
Laboratory in General Chemistry - CHEM 177L	1	Introduction to Meteorology - MTEOR 206	3
Calculus Choice - MATH 151, 160, 165, or 181	3-4	Pre-Student Teaching Experience – CI 280M	1
		American History / American Gov't choice – Hist 222 / Pol S 215	3
	<hr/> 15.5- 16.5		<hr/> 18

**SUMMER SESSION**

World Language IF NEEDED 8

Semester 3	SOPHOMORE YEAR		Semester 4
Written, Oral, Visual, and Electronic Composition - ENGL 250	3	Igneous and Metamorphic Petrology - GEOL 365	3
Mineralogy and Earth Materials - GEOL 311	5	Structural Geology - GEOL 356	4
General Physics - PHYS 111	4	General Physics - PHYS 112	4
Stars, Galaxies and Cosmology - ASTRO 150	3	Introduction to Instructional Technology for Grades 7-12 - C I 202	3
Social Foundations of American Education – CI 204	3	Developmental Psychology - PSYCH 230 <b>or</b>	3
**Take PRAXIS I Exam; Apply to Teacher Education Program**		Human Development and Family Studies - HD FS 102	
	<hr/> 18		<hr/> 17

Semester 5	JUNIOR YEAR		Semester 6
Stratigraphy and Sedimentation - GEOL 368	4	English Proficiency Requirement - ENGL 302 or 314 or JL MC 347	3
Educational Psychology – C I 333	3	Communication Choice - COM ST 102, SP CM 212, 313 or THTRE 358	3
Humanities Choice <sup>1</sup>	3	Secondary Science Methods II – CI 419	2
Nature of Science I – CI 347	3	Secondary Science Practicum II – CI 468K	2
Secondary Science Methods I - CI 418	2	Humanities Choice	3
Secondary Science Practicum I - CI 468J	2	Applied Computer Programming - COM S 107 or Statistics - STAT 101 or 104	3
	17		16

### SUMMER SESSION

Summer Field Studies - GEOL 302                      6

Semester 7	SENIOR YEAR		Semester 8
Multicultural Gender Fair Education – C I 406	3	Student Teaching – CI 417J	12
Humanities Choice	3		
Geology Elective	3		
Senior Seminar – C I 415	R		
Social Science / Humanities Choice <sup>1</sup>	3		
Ethnicity and Learning – CI 450	3		
Biology Choice <sup>2</sup>	3		
	18		12

Students in all ISU majors must complete a three-credit course in U.S. diversity and a three-credit course in international perspectives. Check (<http://www.iastate.edu/~registrar/courses/div-list.html>) for a list of approved courses. Discuss with your adviser how the two courses that you select can be applied to your graduation plan.

LAS majors require a minimum of 120 credits, **including a minimum of 45 credits at the 300/400 level**. You must also complete the LAS foreign language requirement.

<sup>1</sup> Choice depends on whether American History (humanities) or American Government (Social Science) was chosen earlier.

<sup>2</sup> Choose from list of approved courses available from an adviser.