

## B.S. GEOSCIENCE MAJOR, EARTH SYSTEMS CONCENTRATION (120 CREDITS)

Name:	Major Declared Date:	Planned Grad Date:				
		CREDITS	COURSE	SEMESTER	GRADE	REP/W*
<b>GENERAL EDUCATION REQUIREMENTS (36 CREDITS)</b>						
WRT120	3					
WRT200, or 204, or 205, or 206, or 208, or 220	3					
SPK 208 OR 230	3					
DIVERSE COMMUNITIES "J" COURSE	3					
INTERDISCIPLINARY "I" COURSE (ESS/SCB/ENV 102 OR SCB 210)	<b>FULFILLED BELOW</b>					
BEHAVIOR & SOCIAL SCI. (6 CREDITS FROM TWO OF THE FOLLOWING AREAS: ANT SOC PSY ECO GEO PSC)	3					
	3					
HUMANITIES (6 CREDITS FROM TWO OF THE FOLLOWING AREAS: LIT CLS HIS PHI)	3					
	3					
ARTS (ART, CINEMATOGRAPHY, MUSIC, PHOTOGRAPHY, THEATRE)	3					
STUDENT ELECTIVES (9 CREDITS)	3					
	3					
	3					
<b>MATH (6 CREDITS)</b>						
MAT 115 – Algebra & Trigonometry or MAT 131 – Pre-calculus	3					
MAT 121 – Statistics I	3					
<b>SCIENCE COGNATES (11 CREDITS)</b>						
BIO 110 – General Biology	3					
CHE 103 – General Chemistry I	3					
CRL 103 – Experimental General Chemistry I	1					
Recommend CHE 104 – General Chemistry II						
Recommend CRL 104 – Experimental General Chemistry II						
PHY 130 – General Physics I or PHY 170 – Physics I	4					
Recommend PHY 140 – General Physics II or PHY 180 – Physics II						
<b>CORE REQUIREMENTS (30 CREDITS) – AND WHEN OFFERED</b>						
ESS 101 – Introduction to Geology – both semesters	3					
ESS 204 – Historical Geology (W) – both semesters	3					
ESS 201 – Field Geology (W) – both semesters	3					
ESS 301 – Environmental Geochemistry – spring	3					
ESS 302 – Mineralogy – fall (spring as needed)	3					
ESS 331 – Paleontology (W) – spring (fall as needed)	3					
ESS 343 – Geomorphology – spring (fall as needed)	3					
ESS 405 – Igneous and Metamorphic Petrology – spring	3					
ESS 420 – Structural Geology – spring	3					
ESS 450 – Sedimentology and Stratigraphy – fall	3					
<b>ADDITIONAL REQUIREMENTS (14 CREDITS)</b>						
ESS/SCB/ENV 102 – Humans & the Environment, or SCB 210 (I)	3					
ESS 311 – Introduction to Astronomy – fall	3					
ESS 330 – Introduction to Oceanography – both semesters	3					
ESS 370 – Introduction to Meteorology – fall	3					
ESS 347 – Seminar – fall	1					
ESS 447 – Seminar – fall	1					
<b>ELECTIVE COURSES – ANY 200 - 400 LEVEL ESS COURSES (MINIMUM 6 CREDITS); OTHER ELECTIVES TO 120 CREDITS TOTAL</b>						
ESS elective at 200-400 level:	3					
ESS elective at 200-400 level:	3					
Other electives to achieve 120 credits:	17					

• 3 classes above must be "W" emphasis.

- "I" course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)

## B.S. Geoscience, Earth Systems Concentration – SUGGESTED sequence

	Fall	Spring
<b>YEAR 1</b>  30 cr	ESS 101 (3) MAT 115 or 121 (3) WRT 120 (3) Gen Ed Soc/Behav (3) Gen Ed Elective (3)	MAT 121 or 115 (3) WRT 204 205 206 208 or 220 (3) BIO 110 (3) Gen Ed Soc/Behav (3) ESS 204 or 201 Gen Ed “W” course (3)
<b>YEAR 2</b>  32-33 cr	ESS 201 or 204 Gen Ed “W” (3) ESS 311 (3) CHE CRL 103 (4) ESS 480 (1) Gen Ed Hum (3) Gen Ed “J” course (3)	ESS 102 or SCB 210 “I” course (3) ESS 301 (3) ESS 302 (3) Gen Ed Hum (3) Elective Recommend CHE & CRL 104 (3-4)
<b>YEAR 3</b>  30-31 cr	ESS 330 (3) ESS 347 (1) ESS 370 (3) PHY 130 (4) & ESS 480 (1) ESS 302 (3)	ESS 331 Gen Ed “W” course (3) ESS 343 (3) Gen Ed SPK (3) ESS 405 (3) ESS 420 (3)
<b>YEAR 4</b>  28 cr	ESS 447 (1) ESS 450 (3) Gen Ed Art (3) Gen Ed Elective (3)	Elective: recommend GEO 324 (3) ESS elective (3) Gen Ed Elective (3) Elective: Recommend PHY 140 (3-4) Elective (3)

### APPROVED GENERAL EDUCATION COURSES

#### **Behavioral and Social Sciences (6 cr from 2 areas):**

Anthropology: ANT 101, ANT 102, ANT 103

Economics: ECO 111, ECO 112, ECO 200

Geography: GEO 101, GEO 103, GEO 200, GEO 214

Government: PSC 100, PSC 101, PSC 213

Psychology: PSY 100

Sociology: SOC 200, SOC 240

#### **Humanities (6 cr from 2 areas):**

History: HIS 100, HIS 101, HIS 102, HIS 150, HIS 151, HIS 152, HIS 444

Literature: LIT 100, LIT 165, LIT 219, LIT 220, CLS 165, CLS 260, CLS 261

Philosophy: PHI 100, PHI 101, PHI 150, PHI 180, PHI 206, PHI 207, PHI 220, PHI 280, PHI 282, PHI 350

#### **Arts (3 cr):**

Art: ARH 101, ARH 103, ARH 104, ARH 210, ARH 211, ART 106, ART 111, ART 113, ART 228, ART 231

Dance: DAN 132, DAN 133, DAN 134, DAN 135, DAN 136, DAN 137, DAN 138, DAN 150, DAN 210

Film: FLM 200, EGE 405, ESP 305, ESP 309, GER 405, SPA 313

Music: MDA 240, MHL 121, MHL 125, MHL 210, MHL 312, MHL 325, MTC 110

Theatre: THA 101, THA 103, THA 212