

2015 SPRING: B.S.ED. EARTH AND SPACE SCIENCE (125 CREDITS)

Name:	Date Major Declared:	Planned Grad Date:			
Pearson PAPA Modules 1- Reading, 2-Math, 3-Writing (Sophomore Year, Required for Formal Admission):					
Formal Admission to Teacher Education Program (FATE) req. Pearson PAPA tests, 48+ credits of study & 2.8+ GPA; date:					
Praxis 20571-Earth Science Content Knowledge Test (Must take prior to student teaching, and earn passing score to graduate):					
	CREDITS	COURSE	SEMESTER	GRADE	REP/W**
GENERAL EDUCATION REQUIREMENTS (33 CREDITS)					
WRT 120	3				
WRT 200, or 204, or 205, or 206, or 208, or 220	3				
SPK 208 or 230	3				
DIVERSE COMMUNITIES "J" (SCE 350 or LAN 382)		350/382			
INTERDISCIPLINARY "I" (require ESS/SCB/ENV 102, or SCB 210)		102/210			
BEHAVIOR & SOCIAL Sci. (6 CREDITS FROM TWO AREAS: ANT SOC PSY ECO GEO PSC)	3				
	3				
HUMANITIES (A LIT COURSE AND HIS 444)	3	LIT/CLS			
		HIS 444			
ARTS (ART CINEMATOGRAPHY MUSIC PHOTOGRAPHY THEATRE)	3				
STUDENT ELECTIVES (9 CREDITS)	3				
	3				
	3				
EDUCATION REQUIREMENTS (35 CREDITS)					
HIS 444 – History of American Education (GE Humanities)	3				
EDP 250 — Educational Psychology	3				
EDA 103 — Foundations of Special Education	3				
EDA 304 — Special Education for Secondary Educators FATE	2				
EDR 347 — Literacy Devel & Sec Students w/Disabilities	3				
LAN/ENG 382 — ELL Strategies for Content Area Teachers	3				
EDS 306 — Pr. Tch & Field Exp. Secondary School (W) FATE	3				
SCB/SCE 350 — Sci Ed Secondary School (W, J) FATE	3				
EDS 411 — Student Teaching	6				
EDS 412 — Student Teaching	6				
MATH (6 CREDITS)					
MAT 115 — Algebra & Trigonometry or MAT 131—Pre-calculus	3				
MAT 121 — Statistics I	3				
SCIENCE COGNATES (11 CREDITS)					
BIO 110 — General Biology	3				
CHE 103 — General Chemistry I	3				
CRL 103 — Experimental General Chemistry I	1				
PHY 130 — General Physics I or PHY 170—Physics I	4				
CORE REQUIREMENTS (30 CREDITS) – AND WHEN OFFERED					
ESS 101 — Introduction to Geology	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				
ADDITIONAL REQUIREMENTS (13 CREDITS)					
ESS/SCB/ENV 102 or SCB 210 (I)	3				
ESS 311 — Introduction to Astronomy – fall	3				
ESS 330 — Introduction to Oceanography – both semesters	3				
ESS 347 — Seminar – fall	1				
ESS 370 — Introduction to Meteorology – fall	3				

The PDE requires applicants teaching certification to have a minimum GPA of 3.0 at graduation. ****3 classes above must be "W" emphasis.**
"I" course cannot be applied as a distributive requirement (Science, Humanities, or Behavioral & Social Science)

Advising Comments

2015 SPRING: B.S.Ed. Earth and Space Science – SUGGESTED course sequence

	Fall	Spring
Yr 1 30 cr	ESS 101 (3) EDP 250 (3) WRT 120 (3) MAT 115 or 121 (3) GE Soc/Beh (3)	ESS 102 or SCB 210 (GE “I” course) (3) MAT 121 or 115 (3) HIS 444 (Hum GE) (3) GE Soc/Behav (3) WRT 200, 204, 205, 206, 208 or 220 (3)
Yr 2 35 cr	ESS 201 (GE “W” course) (3) ESS 204 (GE “W”) (3) ESS 311 (3) EDA 103 (3) CHE & CRL 103 (4) & ESS 480 (1)	ESS 301 (3) BIO 110 (3) EDR 347 (3) GE Art (3) GE Hum (LIT 165 or other LIT or CLS) (3) GE SPK (3)
Yr 3 35 cr	ESS 302 (3) ESS 330 (3) ESS 347 (1 credit) EDA303 (2 credits) LAN/ENG 382 (GE “J” course) (3) PHY 130 (4) & ESS 480 (1)	ESS 450 (3) ESS 331 (GE “W”) (3) ESS 420 (3) ESS 343 (3) EDS 306 (3) GE Elective (3)
Yr 4 27 cr	ESS 370 (3) SCE/SCB 350 (GE “W” & “J”) (3) GE elective (3) GE elective (3)	EDS 411 & 412 student teaching (12)

APPROVED GENERAL EDUCATION COURSES

Science (satisfied by degree requirements)

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