NAME:		ID#:		Bulletin year:	
		Earth & Space Scien Effective 2017-201			
. ACHIEVEMENT CENTERED EDUCATION (ACE) All UNL students are required to complete a minimum of 3 hours of approved course work in each of the 10 designated ACE areas.			III. ENDORSEMENT No grade lower than "C"		
ACE #1 Written Texts Incorporating Research & Knowledge Skills  ENGL 150, 151, or 254 (3 hrs)			Students must complete a minimum of 24 hours in earth & space science from the following list plus a minimum of 4 hours each in biology, chemistry, and physics.		
	munication Skills M 101, 209, 210, or 286	(3 hrs)	Select one of th ASTR 103 ASTR 204/224	Descriptive Astronomy OR	(3-4 hrs)
	ematical, Computational, Statistical H 106, STAT 218 or EDPS 459		Pre-requisite:	Phys 211/221 and Math 107	
			GEOL 101	Physical Geology	(4 hrs)
ICE #4 Study	of Scientific Methods & Knowledge	e of Natural & Physical World	GEOL 109	Oceanography	(3 hrs)
ASTR			GEOL 211 (Prerequisite:	Sedimentology and Stratigraphy Geol 210)	
	of Humanities )	(3 hrs)	METR 100 (Pre-requisite:		(4 hrs)
•			GEOL 106	Environmental Geology OR	
4CE #6 Study EDPS	of Social Sciences 251	(3 hrs) $\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	NRES 108 SOIL 153	Earth's Energy Resources <b>OR</b> Soil Resources	(3-4 hrs)
			6.1	e n	(2.41)
ACE #7 Study of the Arts to Understand Their Context & Significance			Select one of th GEOL 110	Geological Natural Hazards OR	(3-4 hrs)
(Any)		(3 hrs)	GEOL 115	Earth's Energy Resources OR	
1 CE 110 E.1.	10: 1 0: 0: 11: 0	<i>T</i>	GEOL 160	Geoscience Fundamentals in the Field	d
ACE #8 Ethic TEAC	tal Principles, Civics, Stewardship & C 331		LIFE 120/120L	Fundamentals of Biology I w/lab	(4 hrs)
ACE #9 Glob	al Awareness, Knowledge of Human	Diversity through Analysis	Select one of th	e following:	(4 hrs)
of an Issue			CHEM 109	General Chemistry I OR	
TEAC	2 330	$(3 \text{ hrs})  \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt$	CHEM 113	Fundamental Chemistry I	
	gration of Abilities, Capacities in a © C 403B		Select one of th PHYS 141 PHYS 211/221 MSYM 109/109		(5 hrs) 1 Life Sciences
II. PRE-PROFESSIONAL EDUCATION  No grade lower than "C"  All courses must be for a grade (not Pass/No Pass) with the exception of EPDS 297.  TEAC 331 & EDPS 251 must average a 2.5 GPA  TEAC 331 School and Society(3 hrs)			Acceptance into the Science Teacher Education Program is required before enrollment in the Professional Education courses. 80% of the endorsement courses must be completed prior to enrolling in TEAC 451V. The professional education sequence begins spring semester, continues in the fall semester, and is followed by a semester of student teaching.		
EDDC 251	Adalasaant Davalanmant for E	id (2 hra)	Drofossional	Education Courses (27 hrs)	
EDPS 251	Adolescent Development for E			Education Courses (27 hrs) st be a minimum of "C+" or above.	
EDPS 297	Practicum (take with EDPS 25	1)(1 hr)	M. a		
ΓΕΑC 330	Multicultural Ed	(3 hrs)	Methods TEAC 397V		(3 hrs)
ΓEAC 259	Instructional Technology	(3 hrs)	TEAC 413M	ELL Content Area	(3 hrs)
LAC 233	moductional reciliology	(3 1113)	TEAC 451V TEAC 452V	Teaching PrinciplesCurriculum Principles	(3 hrs) (3 hrs)
Flootives	(to meet 120 hour requirement f	or graduation)		Mainstreaming	(3 hrs)

**Student Teaching** 

(3 hrs) (3 hrs) TEAC 497V Student Teaching (9 hrs)
TEAC 403B Student Teaching Seminar (ACE 10) (3 hrs)

Electives (to meet 120 hour requirement for graduation)