

Bachelor of Science in ENVIRONMENTAL SCIENCE

Catalog Year: 2006-2007

NAME: _____

* Upper division Hours

ID#: _____

**Grades 4-8 Certification
Science Education Concentration**

UNIVERSITY CORE CURRICULUM		Grade	SCH	GP
Eng. Composition	<u>ENGL 1301</u>	_____	3	_____
	<u>ENGL 1302</u>	_____	3	_____
Oral Communicatio	<u>COMM 1315</u>	_____	3	_____
Mathematics	<u>MATH 1470 or MATH 2413</u>	_____	4	_____
Natural Sciences	<u>BIOL 1406</u>	_____	(4)	_____
Natural Sciences	<u>CHEM 1311/ 1111</u>	_____	(4)	_____
Literature	<u>See List</u>	_____	3	_____
US History	<u>HIST 1301</u>	_____	3	_____
	<u>HIST 1302</u>	_____	3	_____
US Government	<u>POLS 2305</u>	_____	3	_____
	<u>POLS 2306</u>	_____	3	_____
Fine Arts	<u>See List</u>	_____	3	_____
Economics	<u>ECON 2301</u>	_____	3	_____
Social Science	<u>PSYC 2301</u>	_____	3	_____
Philosophy	<u>*PHIL 3340</u>	_____	3	_____
TOTAL		(8)	40	0

FOUNDATION COURSES

	Grade	SCH	GP
ESCI 1401	<u>Environmental Science</u>	_____	4
ESCI 1402	<u>Systems and Applications</u>	_____	4
BIOL 1406	<u>General Biology I</u>	_____	4
BIOL 1407	<u>General Biology II</u>	_____	4
CHEM 1311/1111	<u>Gen. Chemistry I (3/1)</u>	_____	4
PHYS 1401	<u>General Physics I</u>	_____	4
GEOL 1403	<u>Physical Geology</u>	_____	4
GEOL 1404	<u>Historical Geology</u>	_____	4
Total			32
Choose two of the following:			
BIOL 2472	<u>Principles of Botany</u>	_____	4
GISC 1470	<u>Introduction to Geospatial System I</u>	_____	4
ASTR 1311	<u>Introduction to Space Science</u>	_____	3
Total (7-8)			7

REQUIRED Upper Division Courses

	Grade	GP
*SMTE 3315	<u>Found Appr to Physical Science</u>	3
*SMTE 3316	<u>Found Appr to Life Science</u>	3
*SMTE 4320	<u>Secondary Science Lab Techniques</u>	3
*SMTE 4270	<u>Science Education Topics I</u>	2
*SMTE 4271	<u>Science Education Topics II</u>	2
*SMTE 4273	<u>Historical Development of the Sciences</u>	2
Choose one of the following:		
*ESCI 3403	<u>Meteorology</u>	4
*ESCI 3351	<u>Oceanography</u>	3
Total (18-19)		18

PROFESSIONAL DEVELOPMENT

	Grade	SCH	GP
*EDCI 3311	<u>School & Society</u>	_____	3
*EDCI 4607	<u>Field Based Semester</u>	_____	6
*EDUC 4992	<u>Student Teaching</u>	_____	9
*EDCI 4313	<u>Classroom Mgmt</u>	_____	3
*EDCI 4323	<u>Special Populations</u>	_____	3
TOTAL			24

READING (6 SCH)

*READ 3321	<u>Reading Instr. 4-8th</u>	_____	3
*READ 3351	<u>Diag & Cor of read prb</u>	_____	3
TOTAL			6

MATHEMATICS COURSES

MATH 1442	<u>Statistics for Life</u>	_____	4
SMTE 1350	<u>Fund of Math I</u>	_____	3
TOTAL			7

ELECTIVES

	Grade	SCH	GP
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
TOTAL		0	

(Minimum GPA 2.5 in all work attempted and minimum GPA must be 2.75 in all science, math or specialization areas, and no grade below a "C" in any science or math course on a students degree plan and/or education courses within the professional education block of course are required.)

University Requirements

UCCP 1101/1102	_____	2
Computer Literacy	<u>see catalog for requirement</u>	_____
Foreign Language	<u>see catalog for requirement</u>	_____

Certification TEExES #110
Exams TEExES #116 Science

TOTAL HOURS (Min 136-138) : 136

UPPER DIVISION HOURS (Min 45)

Faculty Mentor	_____	Date: _____
Program Coordinator	Dr. Jennifer Smith-Engle	
Chair :	_____	Date: _____
Dean:	Dr. Frank Pezold	

Certification Ofcr

Date: