

**Eastern New Mexico University
College of Liberal Arts & Sciences
2007-2009 Catalog**

Date: _____	Major: Chemistry Secondary Certification
Name: _____	Minor: Teaching Natural Science
ID#: _____	Degree: Bachelor of Science

BACHELOR'S DEGREE REQUIREMENTS	Course #	Credits	Semester Enrolled	Grade
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Includes:
 UNIV 101 Freshman Seminar UNIV 101 3 _____
128 total hours which must include 40 upper division hours (300/400 level).

GENERAL EDUCATION REQUIREMENTS: 49-50 HOURS	Course #	Credits	Semester Enrolled	Grade
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English: 12 hours
 ENG 102 or 108 ("C" or better required) _____ 3 _____
 ENG 104 or 109 ("C" or better required) _____ 3 _____
 COMM 101/101L, 102 or 202 _____ 3 _____
 ENG 201, 211, 221 or 222 _____ 3 _____

History: 12 hours
 HIST 101 or 102 survey American History _____ 3 _____
 HIST 121 or 122 Survey Western Civ _____ 3 _____
 HIST 203 New Mexico _____ 3 _____
 HIST 101, 102, 121, or 122 (may not include course used above) _____ 3 _____

Mathematics: 6-7 hours
 MATH 119 College Algebra (required) MATH 119 3 _____
 MATH 124 or STAT 213 (required) _____ 3 or 4 _____

Government, Economics, Sociology: 6 hours
 PSY 202 Adolescent Psychology (Required) _____ 3 _____
 Any ONE from:
 ANTH 123, 233, 243; ECON 221, 222; GEOG 233;
 PSCI 101, 102; SOC 101, 212, 215 _____ 3 _____

Science: 12 hours
 BIOL 152/L General Biology I (required) BIOL 152/L 4 _____
 GEOL 151/L Physical Geology (required) GEOL 151/L 4 _____
 Geol 152/L Historical Geology (required) GEOL 152/L 4 _____

Fine Arts: 6 hours
 Any TWO from:
 ART 131, 165, 166 (165 or 166 recommended)
 MUS 113
 THTR 111 DNC 101; _____ 3 _____
 HUM 221, 222 (221 or 222 recommended) _____ 3 _____

Physical Education: 1 hour
 Activity Elective _____ 1 _____

Date: _____						Final Check
Hours Completed:	_____	_____	_____	_____	_____	_____
Hours In Progress:	_____	_____	_____	_____	_____	_____
U/D Hours Completed:	_____	_____	_____	_____	_____	_____
U/D Hours In progress:	_____	_____	_____	_____	_____	_____
GPA:	_____	_____	_____	_____	_____	_____

All course requirements in the major and minor must have a grade of "C" or better. All acceptable transfer work from a junior or community college will be recorded as lower division credit.

Chemistry Course Requirements: 30 Hours

CHEM 151/L General Chemistry I	_____	4	_____	_____
CHEM 152/L General Chemistry II	_____	4	_____	_____
CHEM 233/L Quant. Analysis	_____	4	_____	_____
CHEM 321/L Inorganic Chemistry I	_____	4	_____	_____
CHEM 341/L Organic Chemistry I	_____	4	_____	_____
CHEM 342/L Organic Chemistry II	_____	4	_____	_____
CHEM 450 Instrumental Analysis	_____	4	_____	_____
CHEM 492 Undergraduate Seminar	_____	1	_____	_____
CHEM 495 Senior Chemistry Review	_____	1	_____	_____

Chemistry, Secondary Science Additional requirements: 3 hrs

CHEM 452 Biochemistry	_____	3	_____	_____
(Note: CHEM 450 Instrumental Analysis is now required part of core)				

Teaching of Natural Science Minor/Endorsement - 25 Hours

Teaching Requirements - 10 Hours

BIOL 439 Teaching in Biology	_____	1	_____	_____
CHEM 439 Teaching in Chemistry	_____	1	_____	_____
GEOLOG 439 Teaching Geology	_____	1	_____	_____
PHYS 439 Teaching Physics	_____	1	_____	_____
SED 380 Secondary School Teaching/Learning	_____	1	_____	_____
SED 410 Issues in Secondary Teaching	_____	3	_____	_____

Additional Science Classes - 15 Hours

BIOL 151/L General Biology I	_____	4	_____	_____
PHYS 151/L General Physics	_____	4	_____	_____
PHYS 152/L General Physics	_____	4	_____	_____
BIOL 214/L Microbiology	_____	4	_____	_____

Secondary Education Professional Education Requirements.

RED 495 Content Area Literacy	_____	3	_____	_____
SPED 305 Student with Disabilities in Regular Classroom	_____	3	_____	_____
EDF 222 Structured Observation of Teaching	_____	3	_____	_____
BLED 350 Cultural and Linguistic Pluralism	_____	3	_____	_____
EDF 301 Found of Schooling	_____	3	_____	_____
SED 380 Secondary School Teaching and Learning	_____	3	_____	_____
SED 410 Issues in Secondary Teaching	_____	3	_____	_____
SED 450 Seminar in Student Teaching	_____	2	_____	_____
SED 460 Secondary Student Teaching	_____	10	_____	_____

_____ <i>Student Signature</i>	_____ Dr. Jim Constantopoulos, JWLA 208, 562-2519 <i>Advisor Signature</i>
_____ <i>Dean's Office Signature</i>	_____ <i>Official Degree Plan Filing Date</i>