

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

<b>Date:</b> _____	<b>Major:</b> Biochemistry
<b>Name:</b> _____	_____
<b>ID #:</b> _____	<b>Degree:</b> Bachelor of Science

BACHELOR'S DEGREE REQUIREMENTS (7 Hrs)	Course#	Credits	Semester Enrolled
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**Includes:**

HPE 142 Fund of Physical V (required)	<u>HPE 142</u>	1	_____
IS 151 or successful completion of ENMU computer technology assessm	<u>IS 151</u>	3	_____
UNIV 101 Freshman Seminar	<u>UNIV 101</u>	3	_____

GENERAL EDUCATION REQUIREMENTS (41 Hrs)	Course#	Credits	Semester Enrolled
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<b>1. Communicating Effectively: 9 hours</b>			
ENG 102 or 108 (requires grades of "C" or better)	_____	3	_____
ENG 104 or 109	_____	3	_____
COMM 101/L, 102, or 202	_____	3	_____
<b>2. Understanding and Applying Mathematical Principles: 3 hours</b>			
Selected from MATH 113, 114, 119, 120, 124 or STAT 213	_____	3	_____
<b>3. Science with labs: 8 hours</b>			
BIOL 151/L (required)	<u>BIOL 151/L</u>	4	_____
CHEM 151/L (required)	<u>CHEM 151/L</u>	4	_____
<b>4. Social Science: 6-9 hours</b>			
Note: total number of hours from categories 4 and 5 combined must be 15.			
Courses must be taken from two different disciplines.			
ANTH/GEOG 103, 233, 243	_____	3	_____
BUS 151	_____	3	_____
ECON 200, 221, 222	_____	3	_____
FCS/ELED 221	_____	3	_____
PSCI 101, 102	_____	3	_____
PSY 101, 201, 202	_____	3	_____
SOC 101, 212, 215	_____	3	_____
<b>5. Humanities and Fine Arts: 6-9 hours</b>			
Courses must come from different disciplines and must include a minimum of 3 hours from category a and 3 hours from category b.			
Note: Total number of hours from categories 4 and 5 combined must be 15.			
a. Fine Arts			
ART 101, 106, 131, 165, 166, 210, 231, 271	_____	3	_____
DNC 101, 102, 108, 210	_____	3	_____
MUS 101, 113, 151, 163, music ensembles	_____	3	_____
THTR 111, 121	_____	3	_____
b. Humanities			
HIST 101, 102, 121, 122, 203	_____	3	_____
ENG 201, 211, 221, 222, 251, 252, 275	_____	3	_____
FR 101, 102, 201, 202	_____	3	_____
HUM 221, 222	_____	3	_____
PHIL 201, 202, 211	_____	3	_____
REL 101, 103	_____	3	_____
SPAN 101, 102, 201, 202	_____	3	_____
<b>6. Advisory Options: 4 hours</b>			
CS 114, IS 151, HPE 142, HPE activity courses	_____	4	_____
Any courses from Category 2 above	_____	4	_____
Any courses from Category 5 above	_____	4	_____
<b>7. Upper-division -- Diversity/Global: 3 hours</b>			
AG 312; ANTH 310, 333, 340; BUS 302, 310; CJ 310;	_____	3	_____
COMM 310, 330, 331; ENG 319, 378, 379; FCS 310, 403;	_____	3	_____
HIST 305; HPE 321; MUS 375; NURS 312; PSCI 330; SOC 302	_____	3	_____

All course requirements in the primary and secondary 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. A grade of "C" or better is required in concentration areas.

**Chemistry Core Requirements ( 30 hours)**

CHEM 151/I General Chemistry I	<b>(also part of Gen Ed)</b>	_____	4	_____	_____
CHEM 152/L General Chemistry II		_____	4	_____	_____
CHEM 233/L Quantitative Analysis		_____	4	_____	_____
CHEM 321/L Inorganic Chemistry		_____	4	_____	_____
CHEM 341/L Organic Chemistry I		_____	4	_____	_____
CHEM 342/L Organic Chemistry II		_____	4	_____	_____
CHEM 492 Undergraduate Seminar		_____	1	_____	_____
CHEM 450 Instrumental Analysis		_____	4	_____	_____
CHEM 495 Senior Chemistry Review		_____	1	_____	_____

**Biochemistry Major Requirements (15-16 hours)**

CHEM 401/L Biochemical Methods		_____	2	_____	_____
CHEM/PHYS 411/L Physical Chemistry I/Thermodynamics		_____	4	_____	_____
CHEM 452 Biochemistry		_____	3	_____	_____
CHEM 453 Advanced Biochemistry		_____	3	_____	_____
CHEM 470 Investigative Problems (minimum 3 hrs, max. 4 hrs)		_____	3-4	_____	_____

**Required courses in related areas (30 hours)**

BIOL 151/L General Biology I	<b>(also part of Gen Ed)</b>	_____	4	_____	_____
BIOL 152/L General Biology II		_____	4	_____	_____
MATH 124 Calculus I		_____	4	_____	_____
MATH 132 Calculus II		_____	4	_____	_____
PHYS 151/L General Physics <b>AND</b>		_____		_____	_____
PHYS 152/L General Physics <b>OR</b>		_____		_____	_____
PHYS 201/L Physics I <b>AND</b>		_____	4	_____	_____
PHYS 202/I Physics II		_____	4	_____	_____
6 hours from BIOL 214/L, BIOL 222, BIOL 231		_____		_____	_____
_____		_____	3 to 4	_____	_____
_____		_____	3	_____	_____

_____ <i>Student Signature</i>	_____ <b>Dr. Newton Hilliard, RH 225, 562-2463</b> <i>Advisor Signature</i>
_____ <i>Dean's Office Signature</i>	_____ <i>Official Degree Plan Filing Date</i>