

Eastern New Mexico University  
College of Liberal Arts & Sciences  
2011-2013 Catalog

Updated \_\_\_\_\_  
by \_\_\_\_\_

Date:	Major:	Biology
Name:	Emphasis:	Pre-Medicine
ID#:	Minor:	Not required
Degree:		Bachelor of Science

	Course	Credits	Semester	Grade
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UNIV 101 Freshman Seminar	UNIV 101	3		
IS 151 or successful completion of ENMU computer technology assessment	IS 151	3		
HPE 142 Fundamentals of Physical Well-Being	HPE 142	1		

	Course	Credits	Semester	Grade
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**GENERAL EDUCATION REQUIREMENTS (41 Hrs)**  
*bold- ENMU option only*

**1. Communicating Effectively: 9 hours**

ENG 102 or 108 (ENMU requires grade of "C" or better)		3		
ENG 104 or 109 (ENMU requires grade of "C" or better)		3		
COMM 101, 102, or 202		3		

**2. Understanding and Applying Mathematical Principles: 3 hours**

MATH 113, 114, 119, 120, 124 or STAT 213		3 or 4		
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**3. Science with labs: 8 hours**

ANTH 245L, BIOL, CHEM, GEOL, PHYS		4		
		4		

*Note: Total number of hours from categories 4 and 5 combined must be 15.*

**4. Social Science: 6 hours minimum, maximum of 9 hours**

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; BUS 151; ECON 200, 221, 222		3		
FCS/ELED 221; PSCI 101, 102; PSY 101, 201, 202;		3		
SOC 101, 212, 215		3		

**5. Humanities and Fine Arts: 6-9 hours**

*Courses must come from different disciplines and must include a minimum of 3 hours from category a and 3 hours from category b.*

**a. Fine Arts (3 hours minimum, maximum of 6)**

ART 101, 131, 135, 165, 166, 210, 231, 271		3		
DNC 101, 210		3		
MUS 101, 113, 163, 241, music ensembles		3		
THTR 111, 113, 121				

**b. Humanities (3 hours minimum, maximum of 6)**

CDIS 144, 244, 245, 246; ENG 202, 203, 204, 211, 221, 222, 251, 252  
FR 101, 102, 201, 202; GR 201, 202; HEB 201, 202;  
HIST 101, 102, 121, 122, 203; HUM 221, 222  
PHIL 201, 202, 211; REL 101, 103, 107;  
SPAN 101, 102, 105, 201, 202, 205

**6. Advisory Options: 3 hours**

HPE activity courses		3		
Any courses from Category 2 above (MATH)				
Any courses from Category 5 above (HUM and FINE ARTS)				

**7. Upper-division -- Diversity/Global: 3 hours**

AG 312; ANTH 303, 310, 333, 340; ART 305; BUS 302, 310; CDIS 320; CJ 310; COMM 310, 330, 331; ENG 303, 319, 378, 379; FCS 310, 403; HIST 305; HPE 321; MUS 375; NURS 312; PTE 304; PSCI 330; PSY 312, REL 402; SOC 302		3		
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**Biology Core Course Requirements: 23 Hours**

BIOL 151/L General Biology I	_____	4	_____	_____
BIOL 152/L General Biology II	_____	4	_____	_____
BIOL 214/L Microbiology	_____	4	_____	_____
BIOL 222 Intro Cell Biology	_____	3	_____	_____
BIOL 303 General Ecology	_____	3	_____	_____
BIOL 304/L Genetics	_____	4	_____	_____
BIOL 492 Undergraduate Seminar	_____	1	_____	_____

**Pre-Medicine Emphasis Requirements: 19 Hours minimum**

BIOL 209/L Anatomy & Physiology I	_____	4	_____	_____
BIOL 210/L Anatomy & Physiology II	_____	4	_____	_____
BIOL 380 Endocrinology <b>OR</b>	_____	3	_____	_____
BIOL 427 Developmental Biology	_____	3	_____	_____
BIOL 421/L Immunology <b>OR</b>	_____	4	_____	_____
BIOL 422/L Medical Microbiology	_____	4	_____	_____
BIOL 424/L Advanced Human Physiology <b>OR</b>	_____	4	_____	_____
BIOL 433/L Neurobiology	_____	4	_____	_____

**Elective Biology Course: 4 Hours (300/400 level) BIOLOGY**

Select a minimum of 4 upper division credit hours in a specialty biology course in consultation with the academic advisor

_____	4	_____	_____
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**Required courses in other areas: 23 Hours**

CHEM 151/I Gen Chem I	CHEM 151/L	4	_____	_____
CHEM 152/L Gen Chem II	CHEM 152/L	4	_____	_____
PHYS 151/L General Physics	PHYS 151/L	4	_____	_____
PHYS 152/L General Physics	PHYS 151/L	4	_____	_____
MATH 215 A Survey of Calculus	MATH 215	3	_____	_____

Select one of the following:

CHEM 251/L Integrated Organics & Biochemistry <b>OR</b>				
CHEM 341/L Organic Chemistry I	_____	4	_____	_____

Note: The Biology faculty strongly recommends that pre-medical students also take CHEM 342/L (4), CHEM 401 (1), and CHEM 452 (3).

CHEM 342/L	_____	4	_____	_____
CHEM 401	_____	1	_____	_____
CHEM 452	_____	3	_____	_____

**Electives to Complete a Total of 128 Credit Hours**

<b>Date:</b>						<b>Final Check</b>
<b>Hours Completed:</b>						
<b>Hours In Progress:</b>						
<b>U/D Hours Completed:</b>						
<b>U/D Hours In Progress:</b>						
<b>GPA:</b>						

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. Developmental hours are not eligible for degree credit.

_____	_____
<i>Student Signature</i>	<i>Advisor Signature</i>
_____	_____
<i>Dean's Office Signature</i>	<i>Official Degree Plan Filing Date</i>