

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

Date: _____	Major: <u>Biology</u>
Name: _____	Emphasis: <u>Cell Molecular Biology & Biotechnology</u>
ID#: _____	Minor: <u>(required)</u>
	Degree: <u>Bachelor of Science</u>

BACHELOR'S DEGREE REQUIREMENTS (7 Hrs)	Course#	Credits	Semester Enrolled	Grade
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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 assessment	<u>IS 151</u>	3	_____	_____
UNIV 101 Freshman Seminar	<u>UNIV 101</u>	3	_____	_____

GENERAL EDUCATION REQUIREMENTS (41 Hrs)	Course#	Credits	Semester Enrolled	Grade
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1. Communicating Effectively: 9 hours

ENG 102 or 108				
(requires grades of "C" or better)				
ENG 104 or 109	_____	3	_____	_____
COMM 101/L, 102, or 202	_____	3	_____	_____

2. Understanding and Applying Mathematical Principles: 3 hours

Selected from MATH 113, 114, 119, 120, 124 or STAT 213				
	_____	3	_____	_____

3. Science with labs: 8 hours

Life Science: BIOL	(required)			
Physical Science: ANTH 245/L, CHEM, GEOL, PHYS	(required)	<u>BIOL 151/L</u>	4	_____
		<u>CHEM 151/L</u>	4	_____

4. Social Science: 6-9 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	_____	3	_____	_____
ECON 200, 221, 222	_____	3	_____	_____
FCS/ELED 221	_____	3	_____	_____
PSCI 101, 102	_____	3	_____	_____
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.
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				
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				
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	_____	_____

6. Advisory Options: 4 hours

CS 114, IS 151, HPE 142, HPE activity courses				
Any courses from Category 2 above	_____	4	_____	_____
Any courses from Category 5 above	_____	4	_____	_____

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

AG 312; ANTH 310, 333, 340; BUS 302, 310; CJ 310;				
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	_____	_____

Biology Core Course Requirements: 22 Hours	Course#	Credits	Semester Enrolled	Grade
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BIOL 151/L General Biology I				
BIOL 152/L General Biology II	_____	4	_____	_____
BIOL 214/L Microbiology	_____	4	_____	_____
BIOL 222 Intro Cell Biology	_____	3	_____	_____
BIOL 231 Genetics	_____	3	_____	_____
BIOL 303 General Ecology	_____	3	_____	_____
BIOL 492 Undergraduate Seminar	_____	1	_____	_____

Emphasis Course Requirements: 18 Hours (Cell, Molecular Biology, and Biotechnology)

BIOL 375 General Biotechnology	_____	3	_____
BIOL 380 Endocrinology	_____	3	_____
BIOL 409/L Microbial Physiology	_____	4	_____
BIOL 425/L Molecular Biology	_____	4	_____
BIOL 427/L Developmental Biology	_____	4	_____

Elective Course Requirements: 8 Hours (300/400 level) BIOLOGY

_____	4	_____
_____	4	_____

Required courses in other areas: 12-16 Hours

CHEM 151/I Gen Chem I	_____	4	_____
CHEM 152/L Gen Chem II	_____	4	_____
PHYS 151/L General Physics	_____	4	_____
Select one of the following:			
CHEM 251/L Integrated Organice & Biochemistry OR			
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	_____

Minor:

						Final Check
Date:						
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.

	Dr. Marvin Lutnesky, RH 212, 562-2753
_____ <i>Student Signature</i>	_____ <i>Advisor Signature</i>
_____ <i>Dean's Office Signature</i>	_____ <i>Official Degree Plan Filing Date</i>