

Eastern New Mexico University
College of Liberal Arts & Sciences
2005-2007 Catalog

| | |
|--------------------|---|
| Date: _____ | Major: Biology(Cell, Molecular Biology,and |
| Name: _____ | Biotechnology) |
| ID #: _____ | Minor: _____ |
| | Degree: Bachelor of Science |

| BACHELOR'S DEGREE REQUIREMENTS | Course# | Credits | Semester Enrolled | Grade |
|--------------------------------|---------|---------|----------------------|-------|
|--------------------------------|---------|---------|----------------------|-------|

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 |
|---|---------|---------|----------------------|-------|
|---|---------|---------|----------------------|-------|

Communicating Effectively: 12 hours

| | | | | |
|--------------------------|-------|---|-------|-------|
| ENG 102 or 108 | _____ | 3 | _____ | _____ |
| ("C" or better required) | | | | |
| ENG 104 or 109 | _____ | 3 | _____ | _____ |
| ("C" or better required) | | | | |
| COMM 101/101L or 102 | _____ | 3 | _____ | _____ |
| CIS 151 or CS 114 | _____ | 3 | _____ | _____ |

Mathematics: 3-7 hours

Option A: 6-7 hours TWO from MATH 107, 113,114,119,120, or STAT 213

| | | | | |
|--|-------|---|-------|-------|
| | _____ | 3 | _____ | _____ |
|--|-------|---|-------|-------|

Option B: 3-4 hours ONE from MATH 124 or any class with a 124 prerequisite

| | | | | |
|--|-------|--------|-------|-------|
| | _____ | 3 or 4 | _____ | _____ |
|--|-------|--------|-------|-------|

Wellness: 2 hours

| | | | | |
|---|---------|---|-------|-------|
| HPE 142 Fundamentals of Physical Well-Being | HPE 142 | 1 | _____ | _____ |
| (required) | | | | |
| HPE Activity Course | _____ | 1 | _____ | _____ |

Science with Laboratories: 8 hours

| | | | | |
|--------------------------------|------------|---|-------|-------|
| BIOL 151/L General Biology I | BIOL 151/L | 4 | _____ | _____ |
| (required) | | | | |
| CHEM 151/L General Chemistry I | CHEM 151/L | 4 | _____ | _____ |
| (required) | | | | |

Appreciating the Arts: 6 hours

Any TWO from different areas:

| | | | | |
|--|-------|---|-------|-------|
| 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, 222 | _____ | 3 | _____ | _____ |

Social Sciences: 6 hours

Any TWO from different areas:

| | | | | |
|---------------------------------------|-------|---|-------|-------|
| ANTH/GEOG 103; 233, ANTH 243 | _____ | 3 | _____ | _____ |
| BUS 151 | _____ | 3 | _____ | _____ |
| ECON 221, 222 | _____ | 3 | _____ | _____ |
| FCS/ELED 221 | _____ | 3 | _____ | _____ |
| PSCI 101, 102, PSY 101, 134, 201, 202 | _____ | 3 | _____ | _____ |
| SOC101,212,215 | _____ | 3 | _____ | _____ |

Humanities: 6 hours

Any TWO from different areas:

| | | | | |
|---------------------------------------|-------|---|-------|-------|
| ENG 201, 211, 221, 222,251,252, 275 | _____ | 3 | _____ | _____ |
| FR 101, 102, 201, 202 | _____ | 3 | _____ | _____ |
| HIST 101, 102, 121, 122, 203 | _____ | 3 | _____ | _____ |
| HUM 221, 222; PHIL 201, 202, 211 | _____ | 3 | _____ | _____ |
| REL 101, 103; SPAN 101, 102, 201, 202 | _____ | 3 | _____ | _____ |

Upper Division - Diversity / Global: 3 hours:

| | | | | |
|---|-------|---|-------|-------|
| AG 312;ANTH 310,333,340;BUS 302,310;CJ310; | _____ | 3 | _____ | _____ |
| COMM 310,330,331 DNC 394;ENG 319,378,379; | | | | |
| FCS310;HPE321;MUS 375;NURS 312;PSCI 330;SOC 302 | _____ | 3 | _____ | _____ |

| | | | | | | |
|-------------------------------|--|--|--|--|--|--------------------|
| 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.

Biology Core Course Requirements: 22 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 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:

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