

WESTERN NEW MEXICO UNIVERSITY
Degree Plan - Cell & Molecular Biology Major (0406)
Department of Natural Sciences

Student Name: _____ ID #: _____ Tel #: _____ Degree Type
 Address: _____ Email: _____ BS BA
 Catalog Authority: 2008-09 Expected Completion: _____ Advisor: _____

GENERAL EDUCATION REQUIREMENTS (41)*

Course(Credits) Sem/Year Grade
Area I - Oral Communications (3)
 Pick one of the following: COMM 110, THR 250
 Course: _____ (3) _____
 or Transfer: TGE (COMM 175)

Area I - Written Communications (6)
 ENGL 101 Comp & Rhetoric I (3) _____
 ENGL 102 Comp & Rhetoric II (3) _____
 or Transfer: TGE (ENGL 175) for ENGL 102 only

Area II - Mathematics (3)
 MATH 105, 106, 121, 131, 132 or 171
 Course: _____ () _____
 or Transfer: TGE (MATH 175)

Area III - Laboratory Science (8) (see page 2)
 Pick two courses (plus labs) from the following:
 BIOL 101, 102, 202, 204, 206 CHEM 121, 151, 152
 GEOL 101, 102, 201 PHSC 101, 102, 115, 171
 PHYS 151, 152, 171, 172
 Course: _____ (4) _____
 Course: _____ (4) _____
 or TGE (BIOL 175, CHEM 175, GEOL 175, PHSC 175, PHYS 175)

Area IV - Social and Behavioral Sciences (6-9) **
 Pick 2-3 courses from different groups of the following:
 1) ANTH 201, 202; GEOG 201, 202, 205 2) ECON 201, 202
 3) POLS 201, 202 4) PSY 102 5) SOC 101, 102
 Course: _____ (3) _____
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175,
 PSY 175, SOC 175)

Course(Credits) Sem/Year Grade
Area V - Humanities and Fine Arts (9-12) **
 Pick 3-4 courses from at least 3 separate categories below:
1) History HIST 111, 112, 201, 202
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (HIST 175)
2) Literature
 ENGL 200, 201, 205, 225, 240, 265, 293, 294, 296, 297
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (ENGL 275)
3) Aesthetics (Art, Music, Theater)
 ART 211, MUSC 111, 119, THR 110, 136, 211
 Course: _____ () _____
 Course: _____ () _____
 or Transfer: TGE (ART 175, MUSC 175, THR 175, HUM 175)
4) Philosophy PHIL 100, 101, 200
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (PHIL 175)

Computer Literacy (3)
 Pick either CMPS 110 or 111, or take a challenge exam.
 Course: _____ (3) _____
 or Transfer: TGE (CMPS 175)

* Includes 35 hours of the NM Common Core plus 6 additional WNMU hours

** The total credits from Area IV and Area V must be 18 hours.

Note: TGE = Transferred General Education courses listed by HED or other transfer agreements, but with no WNMU equivalent

BS Requirement (6)
 MATH 321 plus one CMPS course beyond Gen'l. Ed
 MATH 321 Statistics (3) _____
 Course: _____ (3) _____

OR **BA Requirement (minimum of 3)**
 Completion of one of the following: SPAN 202, SPAN 252,
 SPAN 214 or any upper level Spanish course.
 Course: _____ (3) _____
 Course: _____ (3) _____

Degree Plan - Cell & Molecular Biology Major

SUPPORTING COURSEWORK (8 credit hours)

| <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> | <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> |
|---|-----------------|--------------|---|-----------------|--------------|
| CHEM 151/153 Gen Chemistry I (4) | _____ | _____ | CHEM 152/154 Gen Chemistry II (4) | _____ | _____ |
| Chemistry 151 and 152 are required unless incl in minor | | | May count as General Education Lab Science. | | |

LIFE SCIENCE CORE REQUIREMENTS (23 credit hours)

| <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> | <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> |
|--|-----------------|--------------|---------------------------|-----------------|--------------|
| BIOL 202/203 Mjr I:Plant FFD* (4) | _____ | _____ | BIOL 301/303 Ecology (4) | _____ | _____ |
| BIOL 204/205 Mjr II:Animal FFD* (4) | _____ | _____ | BIOL 366/368 Genetics (4) | _____ | _____ |
| BIOL 206/207 Mjr III:Cell Biology* (4) | _____ | _____ | BIOL 422 Evolution (3) | _____ | _____ |

*May count as General Education Lab Science.

CELL & MOLECULAR BIOLOGY MAJOR REQUIREMENTS (30 credit hours)

| <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> | <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> |
|--------------------------------------|-----------------|--------------|--|-----------------|--------------|
| BIOL 360/362 Cell Biology (4) | _____ | _____ | BIOL 476/478 Immunology (4) | _____ | _____ |
| BIOL 460 Cell Physiology (3) | _____ | _____ | BIOL 486 Senior Project (2) | _____ | _____ |
| BIOL 465/467 Molecu Gen Genetics (4) | _____ | _____ | 6 credits of advisor approved Upper Division BIOL electives | | |
| BIOL 471/473 Mjrs Microbiology (4) | _____ | _____ | Course: _____ () | _____ | _____ |
| BIOL 474 Virology (3) | _____ | _____ | Course: _____ () | _____ | _____ |
| | | | Course: _____ () | _____ | _____ |

MINOR DEGREE COURSES

(Botany or Zoology or a minor outside the Biology discipline)

Minor: _____ Number of Credits: _____
 (attach degree plan worksheet for your minor, with course details)

ADDITIONAL COURSES (to fulfill the 128 hour requirement)

| <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> | <u>Course(Credits)</u> | <u>Sem/Year</u> | <u>Grade</u> |
|------------------------|-----------------|--------------|------------------------|-----------------|--------------|
| Course: _____ () | _____ | _____ | Course: _____ () | _____ | _____ |
| Course: _____ () | _____ | _____ | Course: _____ () | _____ | _____ |
| Course: _____ () | _____ | _____ | Course: _____ () | _____ | _____ |
| Course: _____ () | _____ | _____ | Course: _____ () | _____ | _____ |

Student Success Seminar: ACAD 101 (3 credits) Sem/Year: _____ Grade: _____

Upper Division Hours (54 minimum): _____ **Writing Intensive Hours (12 minimum):** _____
 (6 hours must be outside of major and minor disciplines)

Total Hours (128 minimum required): _____ **Copy to Registrar on (date):** _____

Original completed on (date): _____ **Grad. Audit sent on (date):** _____

Updated on (date): _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____