

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

Student Name: _____ ID # _____ Tel #: _____ Degree Type
 Address: _____ Email: _____ ☐ BS
 (complete - incl street, city, state, zip) _____ ☐ BA
 Catalog Authority: 2015-16 Expected Completion: _____ Advisor: _____

GENERAL EDUCATION REQUIREMENTS (41)*

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)
 Pick two courses (plus labs) from the following:
 BIOL 101, 102, 202, 204, 206, CHEM 121, 151, 152
 BIOL 212, 254, 255 PHSC 101, 115, 171
 GEOL 101, 102, 201 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, 212/214; GEOG 201, 202, 205
 2) ECON 200, 201, 202 3) POLS 201, 202
 4) PSY 102 5) SOC 101, 102, BSAD 100, CJUS 111, SWK 101
 Course: _____ (3) _____
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175,
 PSY 175, SOC 175) _____

BS Requirement (6)

MATH 321 Statistics, plus one CMPS course beyond Gen'l. Ed
 or BIOL/GEPIG 361/363 Intro to GIS
 MATH 321 Statistics (3) _____
 Course: _____ () _____

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
 ENGL 293, 294, 296, 297; LALS 243
 Course: _____ (3) _____
 Course: _____ (3) _____
 or Transfer: TGE (ENGL 275) _____

3) Aesthetics (Art, Music, Theater)
 ART 211, 241, 261; 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) _____

Technology Literacy (3)

CMPS 110, CMPS 111, IDEA 110, 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

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 Chem I* (4)	_____	_____	CHEM 152/154 Gen Chem II* (4)	_____	_____
Chemistry 151 and 152 are required unless incl. in minor					

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 201/203 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 Molecular 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: _____ ()	_____	_____
Course: _____ ()	_____	_____	Course: _____ ()	_____	_____

Service Learning 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: date: _____

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

Updated: _____

Student Signature: _____ date: _____

Advisor Signature: _____ date: _____