

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: 2017-18 Expected Completion: _____ Advisor: _____

GENERAL EDUCATION REQUIREMENTS (41)*

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Area I - Oral Communications (3)			Area V - Humanities and Fine Arts (9-12) **		
Pick one of the following: COMM 110, THR 250			Pick 3-4 courses from at least 3 separate categories below:		
Course: _____ (3) _____			1) History HIST 111, 112, 201, 202		
or Transfer: TGE (COMM 175)			Course: _____ (3) _____		
			Course: _____ (3) _____		
			or Transfer: TGE (HIST 175)		
Area I - Written Communications (6)			2) Literature ENGL 150, 200, 205, 225, 265		
ENGL 101 Comp & Rhetoric I (3) _____			ENGL 293, 296; LALS 243		
ENGL 102 Comp & Rhetoric II (3) _____			Course: _____ (3) _____		
or Transfer: TGE (ENGL 175) for ENGL 102 only			Course: _____ (3) _____		
			or Transfer: TGE (ENGL 275)		
Area II - Mathematics (3)			3) Aesthetics (Art, Music, Theater)		
MATH 105, 106, 107, 121, 131, 132 or 171			ART 211, 241, 261; MUSC 111, 119; THR 110, 136, 211		
Course: _____ () _____			Course: _____ () _____		
or Transfer: TGE (MATH 175)			Course: _____ () _____		
			or Transfer: TGE (ART 175, MUSC 175, THR 175, HUM 175)		
Area III - Laboratory Science (8) (see page 2)			4) Philosophy PHIL 100, 101, 200		
Pick two courses (plus labs) from the following:			Course: _____ (3) _____		
BIOL 101, 102, 202, 204, 206, CHEM 121, 151, 152			Course: _____ (3) _____		
BIOL 212, 254, 255 PHSC 101, 115, 171			or Transfer: TGE (PHIL 175)		
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) **			Technology Literacy (3)		
Pick 2-3 courses from different groups of the following:			CMPS 110, CMPS 111, ART 104, or take a challenge exam.		
1) ANTH 201, 202, 212/214; GEOG 201, 202, 205			Course: _____ (3) _____		
2) ECON 200, 201, 202 3) POLS 201, 202			or Transfer: TGE (CMPS 175)		
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)					

* 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 Statistics, plus one CMPS course beyond Gen'l. Ed
or BIOL/GEOG 361/363 Intro to GIS

MATH 321 Statistics (3) _____
 Course: _____ () _____

OR

BA Requirement (minimum of 3)

Complete any upper division Spanish course, or one of the following: SPAN 202, BLED 431 or CLEP for four semesters of Spanish.

Course: _____ (3) _____
 Course: _____ (3) _____

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 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 Moleculr Genetics	(4)		6 credits of advisor approved BIOL Upper Division guided 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:

(attach degree plan worksheet for your minor, with course details)

Number of Credits:

ADDITIONAL COURSES (to fulfill the 120 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 (42 minimum):

Total Hours (120 minimum required): _____ **Copy to Registrar:** _____ **date:** _____

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

Updated:

Student Signature: _____ **date:** _____

Advisor Signature: _____ **date:** _____