

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: 2019-20 Expected Completion: _____ Advisor: _____

Deadline for Application for Graduation; June 1st for Fall; September 1st for Spring; February 1st for Summer.

GENERAL EDUCATION REQUIREMENTS (31)

Applied Liberal Arts and Sciences (9)

	Sem/Year	Grade
ALAS 1810 Applied Liberal Arts & Sciences - Humanities	(3)	_____
ALAS 1820 Applied Liberal Arts & Sciences - Social/ Behav Sciences	(3)	_____
ALAS 1830 Applied Liberal Arts & Sciences - STEM	(3)	_____

<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>	<u>Course(Credits)</u>	<u>Sem/Year</u>	<u>Grade</u>
Area I - Communications (6)			Area IV - Social and Behavioral Sciences (3)		
ENGL 1120 Composition II ¹			ANTH 1140 Intro to Cultural Anthropology		
COMM 1130 Public Speaking			ECON 1110 Survey of Economics		
COMM 1140 Intro to Media Writing			ECON 2110 Macroeconomic Principles		
COMM 2140 Small Group Communication			ECON 2120 Microeconomic Principles		
Course: _____ (3) _____			GEOG 1120 World Regional Geography		
Course: _____ (3) _____			GEOG 1130 Human Geography		

Area II - Mathematics (3-5) ² BCIS 1110 is Pre-requisite/Co-req MATH 1010 Mathematics for School Teachers MATH 1130 Survey of Mathematics ² MATH 1220 College Algebra ² MATH 1350 Intro to Statistics ² MATH 1510 Calculus I ² Course: _____ () _____	POLS 1110 Intro to Political Science POLS 1120 American National Government PSYC 1110 Intro to Psychology SOCI 1110 Intro to Sociology SOCI 2310 Contemporary Social Problems Course: _____ (3) _____
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Area III - Science (4)

Pick **one** course (plus lab) from the following:

BIOL 1110/1110L General Biology & Lab
 BIOL 1140/1140L5 Biology for Health Sciences & Lab
 BIOL 2110/2110L Principles of Biology: Cell/Molecular & Lab
 BIOL 2210/2210L Human Anatomy & Physiology I & Lab
 BIOL 2642/2642L Plant Form, Function and Diversity & Lab
 BIOL 2644/2644L Animal Form, Function and Diversity & Lab
 CHEM 1120/1120L Intro to Chemistry & Lab
 CHEM 1215/1215L General Chemistry I for STEM Majors & Lab
 GEOL 1110/1110L Physical Geology & Lab
 GEOL 1120/1120L Environmental Geology & Lab
 GEOL 2110/2110L Historical Geology & Lab
 PHSC 1120/1120L Forensic Science I & Lab
 Course: _____ (4) _____

Area V - Humanities (3)

ENGL 1410 Intro to Literature
 ENGL 2310 Intro to Creative Writing
 HIST 1110 United States History I
 HIST 1120 United States History II
 HIST 1150 Western Civilization I
 HIST 1160 Western Civilization II
 PHIL 1115 Intro to Philosophy
 Course: _____ (3) _____

Area VI - Creative & Fine Arts (3-4)

ARTS 1250 Design II
 ARTS 1410 Intro to Photography
 ARTS 1610 Drawing I
 ARTS 1630 Painting I
 ARTS 2321 Appreciation of Clay
 ARTS 2841 Appreciation of Sculpture
 MUSC 1130 Music Appreciation
 Course: _____ () _____

BS Requirement (6)

MATH 1350 Intro to Statistics, plus one CMPS course beyond Gen'l. Ed **or** GISS/GEOG 361/363 Intro to GIS

MATH 1350 Intro to Statistics (3) _____
 Course: _____ () _____

OR

BA Requirement (minimum of 3)

Complete any upper division Spanish course, or one of the following: SPAN 2120, BLED 431 or CLEP for four semesters of Spanish.

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 1215/1215L Gen Chem I* (4)	_____	_____	CHEM 1225/1225L Gen Chem II* (4)	_____	_____
Chemistry 1215 and 1225 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 2642/2642L Plant FFD* (4)	_____	_____	BIOL 301/303 Ecology (4)	_____	_____
BIOL 2644/2644L Animal FFD* (4)	_____	_____	BIOL 366/368 Genetics (4)	_____	_____
BIOL 2110/2110L Princ Biol: Cell (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 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): _____ Writing Intensive Hours (9 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: _____