

**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: 2007-08 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 cr minimum)**  
 Pick one MATH course numbered 131 - 299  
**or** two MATH courses numbered below 131  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 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 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)

**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 101, 102, 103, 107, 205, 210, 211, 230, 241  
 MUSC 111, 119 THR 110, 136, 211  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 Course: \_\_\_\_\_ ( ) \_\_\_\_\_  
 or Transfer: TGE (ART 275, MUSC 275, THR 275, HUM 275)

**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 Molecuar Genetics (4)	_____	_____	<b>Select 6 credits minimum in Upper Division BIOL electives</b>		
BIOL 471/473 Mjrs Microbiology (4)	_____	_____	Course: _____ ( )	_____	_____
BIOL 474 Virology (3)	_____	_____	Course: _____ ( )	_____	_____
			Course: _____ ( )	_____	_____

**MINOR DEGREE COURSES**  
(18-24 hours 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: \_\_\_\_\_