## WESTERN NEW MEXICO UNIVERSITY

## Degree Plan - Cell & Molecular Biology Major (0406) Department of Natural Sciences

Student Name:	ID#		Tel #:		Degree Type		
Address:			Ema	il:	□ BS		
(complete - incl street, city, star					— □ BA		
Catalog Authority: 2015-16	Expected Completion	1:	Advis	sor:			
	GENERAL EI	DUCATION	REQUIREMENTS				
Course(Credits)	Sem/Year	Grade	Course(Credit		r Grade		
Area I - Oral Communication				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:			1) History	HIST 111, 112, 201, 20			
or Transfer: TGE (COMM 17	75)		Course:	(3)			
			Course:				
Area I - Written Communic	eations (6)			GE (HIST 175)			
ENGL 101 Comp & Rhetoric			2) Literature	ENGL 200, 201, 205, 2	25, 240		
ENGL 102 Comp & Rhetoric			,	ENGL 293, 294, 296, 2			
or Transfer: TGE (ENGL 17:			Course:	(3)			
	,,		Course:	(3)			
Area II - Mathematics (3)			Course: (3) or Transfer: TGE (ENGL 275)				
MATH 105, 106, 121, 131, 132 or 171			3) Aesthetics (Art, Music, Theater)				
Course: ( )			ART 211, 241, 261; MUSC 111, 119; THR 110, 136, 211				
or Transfer: TGE (MATH 17				( )			
(	-,		Course:				
Area III - Laboratory Scien	ce (8)			T 175, MUSC 175, THR 17	75. HUM 175)		
Pick two courses (plus labs)				PHIL 100, 101, 200	0,1101.1170)		
BIOL 101, 102, 202, 204, 20	_	151 152	<del>-</del> -	(3)			
BIOL 212, 254, 255	PHSC 101, 1		Course:				
GEOL 101, 102, 201	PHYS 151, 1			GE (PHIL 175)			
Course:	(4)	52, 171, 172	of Transier. 1	OL (TILL 173)			
Course:	``						
or TGE (BIOL 175, CHEM 1		PHYS 175)	Technology Literacy	(3)			
of Tol (BIOL 173, CILM)	175, GEOL 175, THEC 175	,,11115 175)			lenge evam		
Area IV - Social and Behavioral Sciences (6-9) **			CMPS 110, CMPS 111, IDEA 110, or take a challenge exam.  Course:(3)				
Pick 2-3 courses from different groups of the following:			or Transfer: TGE (CMPS 175)				
1) ANTH 201, 202, 212/214			of Transier. Told (Civi	15 173)			
			* Includes	35 hours of the NM Commo	on Core		
2) ECON 200, 201, 202 3) POLS 201, 202 4) PSY 102 5) SOC 101, 102, BSAD 100, CJUS 111, SWK 101			plus 6 additional WNMU hours				
			** The total credits from Area IV and Area V				
Course: (3) (3)			must be 18 hours.				
Course: (3)			Note: TGE = Transferred General Education courses				
		175					
or Transfer TGE (ANTH 175, ECON 175, GEOG 175, POLS 175, PSY 175, SOC 175)			listed by HED or other transfer agreements, but with no WNMU equivalent				
PSY 1/5, SO	C 173)			•			
•	quirement (6)	OR	<del>-</del>	uirement (minimum o			
MATH 321 Statistics, plus one CMPS course beyond Gen'l. Ed			Completion of one of the following: SPAN 202, SPAN 252,				
or BIOL/GEPG 361/363 Intro to GIS			SPAN 214 or any upper level Spanish course.				
MATH 321 Statistics	(3)		Course:				
Course:	( )		Course:	(3)			

## Degree Plan - Cell & Molecular Biology Major

## **SUPPORTING COURSEWORK (8 credit hours)**

	Course(Credits)	Sem/Year	Grade	Course(Credits)	Sem/Year	<u>Grade</u>
LIFE SCIENCE CORE REQUIREMENTS (23 credit hours)   Course(Credits)   Sem/Year   Grade   BIOL 201/203 Mijr EPlant FFD* (4)   BIOL 301/303 Ecology (4)   BIOL 201/203 Mijr EPlant FFD* (4)   BIOL 301/303 Ecology (4)   BIOL 2006/207 Mijr Ill-Coll Biology* (4)   BIOL 422 Evolution (3)   Plant and Evolution   Sem/Year   Grade   BIOL 425 Evolution (3)   Plant and Evolution   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade   BIOL 476/478 Immunology (4)   Grade   BIOL 476/478 Immunology (4)   Course		`		CHEM 152/154 Gen Chem II*	(4)	
CourseCredity   Sem/Year   BIOL 2017/203 Mjr EPlant FFD* (4)   BIOL 3017/303 Ecology   (4)	Chemistry 151 aand 152 are required un	iless incl. in minor				
BIOL 201/203 Mjr l-Plant FFD* (4)	<u>LIF</u>	<u>E SCIENCE C</u>	ORE REQ	UIREMENTS (23 credit ho	<u>urs)</u>	
BIOL 204/205 Mjr ILAnimal FTD* (4)   BIOL 366/368 Genetics	Course(Credits)	Sem/Year	<u>Grade</u>	Course(Credits)	Sem/Year	<u>Grade</u>
BIOL 204/205 Mjr IRAcinial FFD*(4) BIOL 366/368 Genetics (4) BIOL 206/207 Mjr IRICell Biology* (4) BIOL 22 Evolution (3) "*May count as General Education Lab Science.    CoursetCredits	BIOL 201/203 Mjr I:Plant FFD*	(4)		BIOL 301/303 Ecology	(4)	
#May count as General Education Lab Science.    CELL & MOLECULAR BIOLOGY MAJOR REQUIREMENTS (30 credit hours)		(4)		BIOL 366/368 Genetics	(4)	
#May count as General Education Lab Science.    CELL & MOLECULAR BIOLOGY MAJOR REQUIREMENTS (30 credit hours)	BIOL 206/207 Mjr III:Cell Biology*	(4)		<b>BIOL 422 Evolution</b>	(3)	
Course(Credits)   Sem/Year   Grade   BIOL 4760478 Immunology   (4)						
Course(Credits)   Sem/Year   Grade   BIOL 4760478 Immunology   (4)	CELL & MOL	ECULAR BIO	LOGY MA	JOR REQUIREMENTS (3	80 credit hours)	
BIOL 360/362 Cell Biology						Grade
BIOL 460 Cell Physiology (3)	·	<u> </u>		· · · · · · · · · · · · · · · · · · ·	·	
BIOL 465/467 Moleculr Genetics (4) 6 credits of advisor approved Upper Division BIOL electives BIOL 471/473 Mjrs Microbiology (4) Course: ( )    BIOL 474 Virology (3) Course: ( )    MINOR DEGREE COURSES (Botany or Zoology or a minor outside the Biology discipline)  Minor:   Number of Credits:    ADDITIONAL COURSES (to fulfill the 128 hour requirement)  Course: ( ) Course: ( )    Course: ( ) Course: ( )    Co	e.	(3)				
BIOL 471/473 Mjrs Microbiology (4)	BIOL 465/467 Moleculr Genetics	(4)		-		ves
MINOR DEGREE COURSES (Botany or Zoology or a minor outside the Biology discipline)		(4)				
Number of Credits:				Course:	( )	
Minor:   Number of Credits:     Number of Credits:	DIGE 171 VIIOlogy	(3)		Course:		
Minor:   Number of Credits:				Course.	( )	
ADDITIONAL COURSES (to fulfill the 128 hour requirement)    Course(Credits)   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade		tany or Zoology	y or a mino	2	line)	
ADDITIONAL COURSES (to fulfill the 128 hour requirement)    Course(Credits)   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade	(attach degree plan worksheet for vo	our minor, with cou	rse details)			
Course(Credits)   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade		,	,			
Course(Credits)   Sem/Year   Grade   Course(Credits)   Sem/Year   Grade	ADD	ITIONAL CO	URSES (to f	fulfill the 128 hour require	ment)	
Course:   ( )   Course:   (				<del>-</del>	<u></u>	Grade
Course:         ( )         Course:         ( )           Service Learning 3 credits:         Sem/Year:         Grade:           Upper Division Hours (54 minimum):         Writing Intensive Hours (12 minimum):         Copy to Registrar:           (6 hours must be outside of major and minor disciplines)         Copy to Registrar:         date:           Original completed on (date):         Grad. Audit sent:         date:           Updated:         Student Signature:         date:	· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>	<u></u>	
Course:         ( )         Course:         ( )           Course:         ( )         Course:         ( )           Course:         ( )         Course:         ( )           Service Learning 3 credits:         Sem/Year:         Grade:           Upper Division Hours (54 minimum):         Writing Intensive Hours (12 minimum):         Copy to Registrar:           (6 hours must be outside of major and minor disciplines)         Copy to Registrar:         date:           Original completed on (date):         Grad. Audit sent:         date:           Updated:         Student Signature:         date:		)				
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(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: date:	Service Learning 5 credits:		S	em/ Y ear:	Grade:	
Original completed on (date): Grad. Audit sent: date:  Updated: date: date: date:			isciplines)	Writing Intensive Hours (	12 minimum):	
Updated:  Student Signature:  date:	<b>Total Hours (128 minimum</b>	required):		Copy to Registrar:	date:	
Updated:  Student Signature:  date:	Original completed on (date):			Grad. Audit sent:	date:	
Student Signature: date:	Undated:					
					date:	
Advisor Signature: date:						