

Biology Curriculum Facts CNM to UNM

*******IMPORTANT: To assure accuracy based on individual curriculum, student must meet with advisors at CNM and UNM*******

- Transfer Agreements, Roadmaps, and Curriculum Facts are designed to help students navigate between STEM degrees at CNM and UNM. The roadmap is a *suggested* curriculum sequence for completing an Associates of Science Degree in 2 years and a Bachelor's of Science Degree in 4yrs...respectively.

Biology

CNM students seeking B.S. degrees in Chemistry, Physics, or Biology are encouraged to complete a Foreign Language prior to full transfer to UNM. Completion of a Foreign Language course is a prerequisite for admission into the UNM's College of Arts and Science.

- UNM's ENGL 101 and ENGL 102 have received new course numbers: ENGL 110 and ENGL 120. Same course as before, new numbers.
 - ENGL 101= ENGL 110
 - ENGL 102= ENGL 120
- MATH
 - MATH 1460 and MATH 1465 (3 credit hours each)
 - Math 1710 and 1715 (4 credit hours each)
- CHEM 2710/2792 Organic Chemistry I
 - CHEM 2710/2792 Organic Chemistry I at CNM will satisfy UNM CHEM 301/303 Organic Chemistry I requirement.
 - Organic Chemistry I CHEM 2710/2792 course will maintain lower level status and will not fulfill UNM's upper division degree requirements.
 - Students are encouraged to complete Organic Chemistry I UNM (CHEM 301/303) and transfer course back to CNM; this action will fulfill CNM's A.S. Biology requirement and UNM's upper division requirement for the Biology B.S.

For further questions regarding Transfer to UNM in the STEM fields contact:

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CNM A.S. Biology to UNM B.S. Biology
Four Year Road Map

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Semester One:					
MATH 1460 or 1710	3		3	MATH 180 or 162	3
ENG 110L	3		3	ENGL 110	3
CHEM 1710/1792	4		4	CHEM 121/123L	4
IT 1010	3		3		3
Humanities	3		3		3
Total:	16	16	13		13

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Semester Two:					
MATH 465 or 1715	3		3	MATH 181 or 163	3
ENG 110Z	3		3	ENGL 120	3
CHEM 1810/1892	4		4	CHEM 122/124L	4
BIO 1510/1592	4		4	BIO 201/201L	4
Social/Behavioral Science	3		3		3
Total:	17	17	17	10	17

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Summer Semester:					
Social/Behavioral Science	3		3		3
BIO 1610/1692	4		4	BIO 202/202L	4
Total:	7	7	7	3	7

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Semester Three:					
BIO 2410	3		3	BIO 203	3
BIO 2492	1		1	BIO 209L	1
CHEM 2710/2792	4		4	CHEM 301/303L	4
PHYS 1510/1592 or 1710/1792	5		5	PHYS 151L or 160L/160L	4
COMM 1130	3		3	COM 130	3
Total:	16	15	3		15

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Semester Four:					
BIO 2510	3		3	BIO 204	3
BIO 2592	1		1	BIO 204L	1
PHYS 1610/1692 or 1810/1892	5		5	PHYS 152/152L or 161/161L	4
Humanities	3		3		3
Fine Arts	3		3		3
Total:	15	15	6		14

Course Subject and Title	Cr. Hrs.	Major	Core	UNM Equivalent	UNM Major
Summer Semester:					
A.S. Totals	71	70	35		66

Course Subject and Title	Cr. Hrs.	Major	Minor	UD Hrs	Notes
Semester Five:					
BIO 300L Organismal Biology	4		4	4	Four courses to choose from. Meet w UNM Advisor
2nd major, minor or UD elective	3		3		
2nd major, minor or UD elective	3		3		
Upper Division Elective	3		3		
Upper Division Elective	3		3		
Total:	16	0	16		

Course Subject and Title	Cr. Hrs.	Major	Minor	UD Hrs	Notes
Semester Six:					
BIO 4 (sub-cat III)	3		3	3	Speak to UNM Biology Advisor
BIO 4 (sub-cat III)	3		3	3	Speak to UNM Biology Advisor
Upper Division Elective	3		3		
Upper Division Elective	3		3		
*Foreign Language	3		3		
Total:	15	0	12		

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Course Subject and Title	Cr. Hrs.	Major	Minor	UD Hrs	Notes
Semester Seven:					
BIO 499	3		3		
BIO 4 (sub-cat III)	2		2	2	Speak to UNM Biology Advisor
UD Biology Elective or Honors	3		3		
2nd major, minor or UD elective	3		3		
Upper Division Elective	3		3		
Total:	14	3	14		

Course Subject and Title	Cr. Hrs.	Major	Minor	UD Hrs	Notes
Semester Eight:					
UD Biology Elective or Honors	3		3		
2nd major, minor or UD elective	3		3		
2nd major, minor or UD elective	3		3		
2nd major, minor or UD elective	3		3		
Total:	12	9	12		

Course Subject and Title	Cr. Hrs.	Major	Minor	UD Hrs	Notes
B.S. Totals					
	128	12	54		

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*Information noted on the Curriculum Facts.

Degree Transfer Agreement 2012-2015 Central New Mexico Community College A.S. Biology

For transfer into

University of New Mexico B.S. Biology

- This Degree Transfer Agreement fulfills all A.S. Biology requirements at CNM, the UNM General Education Core and Admission requirements to UNM's College of Arts & Sciences.
- This Degree Transfer Agreement goes into effect beginning Fall 2012 and will be valid for transfer into UNM's College of Arts & Sciences until Summer 2015.
- AP and CLEP scores may be used to fulfill certain course requirements below. Please speak with your STEM advisor if you have AP or CLEP credit.
- **Pay attention to prerequisite course requirements** and plan courses accordingly.
- Complete all required courses with a grade of "C" or better.

CNM	UNM
Required Biology Courses	
Take Required Biology courses in order as listed below:	
BIO 1510/1592 Molecular & Cell Biology w/Lab (4)	BIOL 201/201L Molecular & Cell Biology w/Lab (4)
BIOL 1610/1692 Genetics w/Lab (4)	BIOL 202/202L Genetics (4)
BIOL 2410/2492 Ecology & Evolution w/Lab (4)	BIOL 203/203L Ecology & Evolution (4)
BIOL 2510/2592 Plant & Animal Form/Fun w/Lab (4)	BIOL 204/204L Plant & Animal Form & Fun w/Lab (4)
Supportive Mathematics Courses	
Math placement is determined by Accuplacer exam, ACT or SAT scores. Speak with your STEM advisor to find out which Math course(s) you may need to complete <u>BEFORE</u> taking Calculus.	
<i>Complete two semesters of Calculus:</i> MATH 1460 Elements of Calculus I (3) MATH 1465 Elements of Calculus II (3) OR MATH 1710 Calculus I (4) MATH 1715 Calculus II (4)	<i>Complete two semesters of Calculus:</i> MATH 180 Elements of Calculus I (3) MATH 181 Elements of Calculus II (3) OR MATH 162 Calculus I (4) MATH 163 Calculus II (4)
Supportive Science Courses	
Take the Chemistry and Physics course sequences in order as listed below:	
CHEM 1710 General Chemistry I (3)	CHEM 121 General Chemistry I (3)
CHEM 1792 General Chemistry I Lab (1)	CHEM 123L General Chemistry I Lab (1)
CHEM 1810 General Chemistry II (3)	CHEM 122 General Chemistry II (3)
CHEM 1892 General Chemistry II Lab (1)	CHEM 124L General Chemistry II Lab (1)

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CHEM 2710 (3)	Organic Chemistry I	CHEM 301 (3)	Organic Chemistry
CHEM 2792 (1)	Organic Chemistry I Lab	CHEM 303L (1)	Organic Chemistry Lab
Choose ONE of the following Physics sequences:		Choose ONE of the following Physics sequences:	
PHYS 1510 (4)	Physics I	PHYC 151 (3)	Physics I
PHYS 1592 (1)	Physics I Lab	PHYC 151L (1)	Physics I Lab
PHYS 1610 (4)	Physics II	PHYC 152 (3)	Physics II
PHYS 1692 (1)	Physics II Lab	PHYC 152L (1)	Physics II Lab
OR		OR	
PHYS 1710 (4)	Physics for Scientists I	PHYC 160 (3)	General Physics I
PHYS 1792 (1)	Physics for Scientists I Lab	PHYC 160L (1)	General Physics I Lab
PHYS 1810 (4)	Physics for Scientists II	PHYC 161 (3)	General Physics II
PHYS 1892 (1)	Physics for Scientists II Lab	PHYC 161L (1)	General Physics II Lab
Communications Core			
ENG 1101 (3)	College Writing	ENGL 110 (3)	Composition I: Exposition
ENG 1102 (3)	Analytic & Argumentative Writ	ENGL 120 (3)	Composition II: Analysis & Argum
COMM 1130 (3)	Public Speaking	CJ 130 (3)	Public Speaking
Humanities Core Choose two courses below:			
ENG 2262 (3)	Survey of Early World Lit	ENGL 292 (3)	World Lit: Ancient to 16 th C
ENG 2263 (3)	Survey of Later World Lit	ENGL 293 (3)	World Lit: 17 th Century-Pres
HIST 1101 or HUM 1111 (3)	Western Civilization I	HIST 101L (3)	Western Civilization to 1648
HIST 1102 or HUM 1112 (3)	Western Civilization II	HIST 102L (3)	Western Civilization Post 1648
HIST 1161 (3)	History of the United States I	HIST 161 (3)	History of the U.S. to 1877
HIST 1162 (3)	History of the United States II	HIST 162 (3)	History of the U.S. Since 1877
HIST 2282 (3)	Modern Latin American History	HIST 182 (3)	Modern Latin American History
PHIL 1110 (3)	Intro. to Philosophical Thought	PHIL 101 (3)	Introduction to Philosophy
RLGN 1107 (3)	Living World Religions	RELG 107 (3)	Living World Religions
RLGN 2263 (3)	Eastern Religions	RELG 263 (3)	Eastern Religions

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Fine Arts Core			
Choose one course below:			
ARTH 1101 (3)	Introduction to Art	ARTH 101 (3)	Introduction to Art
ARTH 2201 (3)	History of Art I	ARTH 201 (3)	History of Art I
ARTH 2202 (3)	History of Art II	ARTH 202 (3)	History of Art II
ENG 2210 (3)	Film as Literature	MA 210 (3)	Introduction to Film Studies
MUS 1139 (3)	Early Music Appreciation	MUS 139 (3)	Music Appreciation
THEA 1122 (3)	Introduction to Theater	THEA 105 (3)	Theatre Appreciation
Social/Behavioral Sciences Core			
Choose two courses below:			
ANTH 1101 (3)	Introduction to Anthropology	ANTH 101 (3)	Introduction to Anthropology
ANTH 1130 (3)	Cultures of the World	ANTH 130 (3)	Cultures of the World
ECON 2200 (3)	Macroeconomics	ECON 105 (3)	Introductory Macroeconomics
ECON 2201 (3)	Microeconomics	ECON 106 (3)	Introductory Microeconomics
GEOG 1102 (3)	Human Geography	GEOG 102 (3)	Human Geography
PSCI 1110 (3)	The Political World	POLS 110 (3)	The Political World
PSCI 2200 (3)	US Politics	POLS 200 (3)	American Politics
PSCI 2220 (3)	Comparative Government	POLS 220 (3)	Comparative Politics
PSCI 2240 (3)	International Politics	POLS 240 (3)	International Politics
PSY 1105 (3)	Introduction to Psychology	PSY 105 (3)	General Psychology
SOC 1101 (3)	Introduction to Sociology	SOC 101 (3)	Introduction to Sociology
UNM Foreign Language Core			
Take one semester of any lower-division, non-English foreign language			
Not required for Biology majors at CNM, but meets the B.S. requirement at UNM		FOREIGN LANGUAGE (3)	
CNM Computer Literacy			
IT 1010 Introduction to Computers (3) OR CHALLENGE EXAM		Not required for Biology majors at UNM, but meets the A.S. requirement at CNM	
TOTAL CREDITS (73)		TOTAL CREDITS (69-71)	

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