



DACC to NMSU Guided Pathway
AS to BS in Biochemistry
 2022-2023 Catalog



Doña Ana Community College - Associate of Science - 60 credits Minimum

1st SEMESTER		2nd SEMESTER	
^I ENGL 1110G Composition I	4	MATH 1521G Calculus and Analytical Geometry II	4
^{II} MATH 1511G Calculus and Analytical Geometry I	4	^{III} BIOL 2110G/L Princ. Of Biol: Cell. & Molecular Biol.	4
^{III} CHEM 1215G General Chemistry I	4	CHEM 1225G General Chemistry II	4
^{IV} Area IV: Social and Behavioral Science	3	^V Area V: Humanities	3
		BCHE 140 Introduction to Biochemistry	1
Total Semester Hours		Total Semester Hours	
15		16	

3rd SEMESTER		4th SEMESTER	
BIOL 305 Principles of Genetics*	3	^I COMM 1115G Introduction to Communication	3
CHEM 313 Organoc Chemistry I	3	^I ENGL 2210G Professional & Technical Comm.	3
CHEM 371 Analytical Chemistry	4	CHEM 314 Organic Chemistry II	3
PHYS 1310G/L Calculus-Based Physics and Lab I	4	CHEM 315 Organic Chemistry Lab	2
^{VI} Area VI: Creative and Fine Arts	3	PHYS 1320 Calculus-Based Physics II	4
Total Semester Hours		Total Semester Hours	
17		15	

Apply for associate's degree at DACC. Contact an academic advisor for more information.

New Mexico State University - BS in Environmental Science - 120 credits minimum

5th SEMESTER		6th SEMESTER	
A ST 311 Statistical Applications	3	BCHE 396 Biochemistry II	4
BIOL 377 Cell Biology	3	BIOL 311/311L General Microbiology and Lab	5
BCHE 395 Biochemistry I	3	VWW: Viewing a Wider World	3
CHEM 430 Physical Chemistry	3	Elective	3
Elective	3	Elective	3
Total Semester Hours		Total Semester Hours	
15		18	

7th SEMESTER		8th SEMESTER	
BCHE 440 Biochemistry Seminar	1	CHEM 472 Adv. Integrated Analysis & Protein Biochem.	3
CHEM 471 Adv. Integrated Inorganic & Physical Chem	3	BCHE 432 Physical Biochemistry*	3
Elective	3	CHEM 456 Inorganic Structures and Bonding*	3
Elective	3	VWW: Viewing a Wider World	3
Elective	2		
Total Semester Hours		Total Semester Hours	
12		12	

BS: Environmental Science

Total

120

Apply for bachelor's degree at NMSU. Contact an academic advisor for more information.

This is not an official degree plan. Check with an academic advisor; degree plans may change in later catalogs.

Part-time students may also follow this sequence. Developmental coursework may be required.

** You may take a different course to meet this requirement. A specific list is available from your advisor.*

You must earn a C- or better in this course

^{I, II, III, IV,} and ^V are New Mexico General Education Common Core courses. Refer to current NMSU Catalog for a comprehensive list.