



**Imperial Valley College- Associate in Science (A.S.) Biology to  
Bachelor of Science in Biological and Natural Resource Sciences- NAU  
Unofficial Degree Pathway Guide – 2023-2024**

Associate degree core: [MAJOR – A.S.-T](#)

[CSU GE-B](#) Requirements: 39 units minimum.

[IGETC](#) Requirements: 37 units minimum.

Complete one of the general education transfer patterns listed above (CSU GE-B or IGETC).

Students with a completed CSU GE-B or IGETC with a 2.5 GPA or better will be guaranteed admission to NAU as well as satisfy all NAU Liberal Studies Requirements

Contact your [NAU Transfer Representative](#) for an evaluation.

Course #	Course Title	Credits	Completed
<b>Community College Coursework</b>			
BIOL 180 (BIO 181)	General Biology: Molecules, Cells & Genetics	4	
BIOL 182 (BIO 182)	General Biology: Principles of Organismal Biology	4	
CHEM 200 (CHM 151/L)	General Inorganic Chemistry I	5	
CHEM 202 (CHM 152/L)	General Inorganic Chemistry II	5	
MATH 192 (MAT 136)	Analytic Geometry and Calculus I	4	
PHYS 200 (PHY 161/L)	General Physics I	4	
PHYS 202 (PHY 262/L)	General Physics II	4	
<b>TOTAL</b>		<b>30</b>	
<b>Electives to reach 64 credits</b>			
<b>TOTAL</b>		<b>64</b>	

**Bachelor of Science Curriculum: [Biological and Natural Resource Sciences](#)**

Course #	Course Title	Credits	Completed
<b>Northern Arizona University – Yuma</b>			
<b>Biology Core Courses (28 units)</b>			
BIO 181/L	Unity of Life I: Life of the Cell with Lab ( <b>Met with BIOL 180</b> )	MET	
BIO 182/L	Unity of Life II: Lives of Multicellular Organisms with Lab ( <b>Met with BIOL 182</b> )	MET	
BSC 350/L	Classical and Molecular Genetics with Lab	4	
BSC 395	Science Career Development	1	
BSC 396	Ethics in Science	1	
BSC 408 or 485	Fieldwork Experience or Undergraduate Research	3	
BSC 460/L or CHM 360/L	Principles of Biochemistry with Lab <b>or</b> Fundamental Biochemistry with Lab	4	
BSC 326/LW	Ecology with Lab (Meets Junior Level Writing Requirement)	4	
BSC 435C	Evolutionary Biology (Meets Senior Capstone Requirement)	3	
<b>Total Units for Core Courses</b>		<b>(28)</b>	

**Select Additional Coursework From: (12 units)**

ANY 100-200 BIO	(Except BIO 100 or any BIO Recitation)		
ANY BSC Course	Exclude BSC 310		
BSC 497	Independent Study (Up to 6 Units)		
NON BSC/BIO Prefix Courses	Up to 8 Units from the Following: (ENV 115, ENV 181, ENV 171, ENV 360, FOR 213, FOR 222, FOR 225, FOR 255, GLG 102, GSP 239)		
<b>Total Units for Additional Coursework</b>		<b>(12)</b>	

**Physical Science Foundation**

<b>Basic Chemistry Sequence:</b>			
CHM 151/L	General Chemistry I with Lab (Met with CHEM 200)	MET	
CHM 152/L	General Chemistry II with Lab (Met with CHEM 202)	<b>MET</b>	
<b>Organic Chemistry Sequence:</b>			
CHM 235/L	Organic Chemistry I with Lab	<b>5</b>	
<b>Math Requirement:</b>			

MAT 136	Calculus I (Met with MATH 192)	<b>MET</b>	
<b>Physics Sequence:</b>			
PHY 161	University Physics I (Met with PHYS 200)	<b>MET</b>	
PHY 262/L	University Physics II (Met with PHYS 202)	<b>MET</b>	
PHY 263 (Recommended)	Choosing to Complete this Sequence, then PHY 263 is recommended		
<b>Electives:</b>	If needed to get to 56 credits (select classes with your advisor and career goals)		
<b>Total Credits: 120</b>		<b>Total:</b>	<b>56</b>