

Associate of Arts in Life Science

The Associate of Arts in Life Science is a degree for students planning to transfer to the university in Community and Public Health, Nursing, or Agriculture Technology degree program. It contains a strong core of life science courses. However, unlike the Associate of Science program, it only requires MAT 142H College Mathematics or MAT 225 Introduction to Statistics. The Associate of Arts degree program also allows students to take a broader range of classes to tailor their programs for transfer to the university in the areas listed above.

Program learning outcomes

1. Demonstrate knowledge of scientific concepts and vocabulary.
2. Design and conduct a research project.
3. Display a sense of place, by being able to identify health and environmental issues on the Tohono O'odham Nation and propose a culturally-appropriate solution.
4. Apply critical and creative thinking skills to solve problems.

Community and Public Health— This area is designed for transfer to a Bachelor's degree in Public Health. Public Health professionals work to protect and improve the health of people and their communities by promoting healthy lifestyles, researching disease and injury prevention, and detecting, preventing, and responding to infectious diseases. Some examples of careers in this area are health and wellness educator, public health administrator, infection control officer, and healthcare consultant.

Pre-professional Nursing—This area is designed for students who intend to transfer to a Bachelor of Science in Nursing (BSN) degree program. Students should contact the university that they intend to transfer to for specific requirements for their Nursing degree program.

Environmental —This area is designed for transfer into an environmentally-related four-year program which does not require Calculus such as environmental studies, agricultural technology, or agricultural education.

Associate of Arts in Life Science

Program of Study

General Education	General Education Category	Course Requirement	Credits Required	Recommended courses for this degree*
	Tohono O'odham Himdag	HIS 122 Tohono O'odham History and Culture (C)	3	
		THO 101 Elementary Tohono O'odham or THO 106 Conversational Tohono O'odham I	4	
	English Composition	WRT 101 Writing I	3	
		WRT 102 Writing II (I)	3	
	Mathematics	MAT 151 College Algebra	4	
	Humanities and Fine Arts	Choose any course from: Art General Education Selection	3	
		Choose any course from: Humanities General Education Selection	3	
	Social and Behavioral Sciences	Choose any course from: Social and Behavioral Science General Education Selection	6	PSY 101 Introduction to Psychology.
	Two Lab-loaded Science Course	Choose any course from: Science	8	Student should select courses based on area of study.
Total General Education Credits			37	

* Recommended courses are courses that are recommended to take as part of the degree because the course is relevant to area of study and/or the course will be a requirement by most Universities when the student transfers. Consult with your Academic/Faculty Adviser for further information.

Core Requirements	Core Courses	
	BIO 298 Service-Learning Practicum (Offered S)	1
	BIO 299 Research Practicum (Offered S)	1
	Total Core Credits	2

Course Offered:
 F =Fall semester
 S = Spring semester
 Su = Summer session

Electives	Student should select elective courses based on area of interest.	21
	Total Credits for Elective	21
	Total Credits for Degree	60

Recommended Life Science Elective courses* based on student interest in Life Sciences (See Faculty Advisor for more information)	
<p style="text-align: center;"><u>Community and Public Health</u></p> <ul style="list-style-type: none"> • BIO 127N Human Nutrition & Biology (GE 4 credits) • BIO 160N Intro to Human Anatomy & Physiology I (4 credits) • BIO 181N Unity of Life I (GE 4 credits) • CHM 130N Fundamental Chemistry or CHM 151N General Chemistry I (5 credits) • CPH 101 Exploring Careers in Health Profession (2 credits) • CPH 178 Personal Health and Wellness (3 credits) • CPH 200 Community and Public Health (3 credits) • Open elective (MAT 225 Basic Statistics Recommended) (3 credits) 	<p style="text-align: center;"><u>Pre-Professional Nursing</u></p> <ul style="list-style-type: none"> • BIO 127N Human Nutrition & Biology (4 credits) • BIO 160N Intro to Human Anatomy & Physiology (4 credits) • BIO 181N Unity of Life I (GE 4 credits) • CHM 130N Fundamental Chemistry (5 credits) or CHM 151N General Chemistry I (5 credits) • CHM 140N Fundamental Organic and Biochemistry or CHM 152N General Chemistry II (5 credits) • CPH 101 Exploring Careers in Health Professions (2 credits) • MAT 225 Basic Statistics (3 credits) • PSY 240 Human Growth and Development (3 credits)
<p><u>Environmental</u></p> <ul style="list-style-type: none"> • BIO 105N Environmental Biology (GE 4 credits) • BIO 181N Unity of Life I (GE 4 credits) • BIO 182N Unity of Life II (4 credits) • BIO 208N Tohono O'odham Ethnobotany or ANR 130N Plant Science (4 credits) • CHM 130N Fundamental Chemistry or CHM 151N General Chemistry I (5 credits) • Open elective (MAT 225 Basic Statistics recommended) (3 credits) 	