



Tohono O'odham Community College

Associate of Science in Natural Resources



NAME:	TOCC ID:
TOCC EMAIL:	PHONE NUMBER:
TERM OF ADMISSION:	EXPECTED GRADUATION YEAR/TERM:
ACADEMIC ADVISOR:	FACULTY ADVISOR:

Himdag and General Education Requirements:

- **Tohono O'odham Himdag:** (7 cr): HIS 122 (Institutions of Americas: 3 cr) and THO 101 (Written & Oral Comm: 4 cr)
- **Arizona General Education Courses (AGEC) Requirements listed below (with credit requirements)**

Note: MAT 142H and courses ending in N (e.g., BIO 100N) are 4 cr. hrs unless otherwise indicated. The rest of the courses are 3 cr. hrs unless otherwise indicated.

COURSE PREFIX	COURSE NAME	REPLACEMENT COURSE	SEMESTER	YEAR	CREDITS	GRADE	MET
Institutions of the Americas: (3 cr)							
HIS 122	Tohono O'odham History and Culture						
Written and Oral Communications: (10 cr – first 6 must be composition/technical writing)							
WRT 101	Writing I						
WRT 102	Writing II						
THO 101	Elementary Tohono O'odham I						
Quantitative Reasoning: (5 cr)							
MAT 220	Calculus I (prerequisites: MAT 182 or MAT 187; or placement test equivalent)						
Arts and Humanities: (6 cr)							
Social and Behavioral Sciences: (6 cr)							
ECN 202	Macroeconomic Principles						
Natural Sciences: (4 cr)							
BIO 105N	Environmental Biology						
Total General Education Credits Needed: 34				Total General Education Credits Earned:			

Core Requirements:

COURSE PREFIX	COURSE NAME	REPLACEMENT COURSE	SEMESTER	YEAR	CREDITS	GRADE	MET
BIO 181N	Unity of Life I						
BIO 182N	Unity of Life II						
CHM 151N	General Chemistry I						

CHM 152N	General Chemistry II						
ANR 286N	Water Resources						
ANR 290N	Wildlife Conservation						
BIO 232	Principles of Research in Natural Science						
BIO 298	Service Learning Practicum						
BIO 299	Research Practicum						
Total Core Credits Needed: 31				Total Core Credits Earned:			
Total Program Credits Needed: 65				Total Program Credits Earned:			

Associate of Science in Natural Resources

TOCC’s Associate of Science in Natural Resources degree is intended as a transfer degree to a four-year institution, although students could go directly into the workforce as environmental technician, park ranger, forester, etc. This degree provides a solid foundation in the conservation and management of water, animal populations, rangelands, wildlands, fisheries and human impacted landscapes. Careers include wildlife or fisheries biologist, hydrologist, rangeland management specialist, game warden, park ranger, and forestry technician.

Program Learning Outcomes

1. Demonstrate knowledge of ecological processes, including human impacts that influence ecosystems change, natural succession and the future sustainability of natural resources.
2. Design and conduct research including hypothesis formulation, literature review, experimental design, and data analysis in the context of both Indigenous and Western perspectives.
3. Display a sense of place by identifying a natural resources issue in their community and propose a culturally appropriate solution that incorporates cultural core values.
4. Communicate clearly and accurately in both written and oral form about a contemporary natural resources issue and argue cogently from evidence to make informed judgments.

Students:

You must secure official approval by your advisor(s) before submitting the **final** Program of Study. By signing or entering your name below, you agree to the following statement: “Students are responsible for complete knowledge of Academic Catalog requirements in their degree plan and for adhering to all policies in Academic Catalog and Student Handbook.”

Signature Panel:

Please indicate approval of the curriculum on the Program of Study by placing your signature (formal electronic signatures are permitted) in the space provided.

Student:	Date:
Academic Advisor:	Date:
Faculty Advisor:	Date:
Registrar:	Date:

Dean of Academics:	Date:
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