



Tohono O'odham Community College
Associate of Applied Science in Geographic Information Science



NAME:	TOCC ID:
TOCC EMAIL:	PHONE NUMBER:
TERM OF ADMISSION:	EXPECTED GRADUATION YEAR/TERM:
ADVISOR:	REQUIRED CREDITS FOR DEGREE: 60

I. General Education Courses (37 cr):

- Tohono O'odham Himdag (7 cr): HIS 122 (3 cr) and select one from the following: THO 101, THO 106 (4 cr)
- Mathematics: MAT 151 College Algebra or higher
- Humanities and Fine Arts (6 cr): Any courses from the General Education selection (Catalog p. 188)
- Social and Behavioral Sciences (3 cr) Any courses from the General Education selection (Catalog p. 194)

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	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE
HIS 122	Tohono O'odham History and Culture					
THO						
WRT 101	Writing I					
WRT 102	Writing II					
MAT						
Humanities and Fine Arts						
Social and Behavioral Sciences						
GEO 103	Cultural Geography					
GEO 101N	Physical Geography					
BIO 105N	Environmental Biology					

II. Core Requirements (17 cr):

COURSE PREFIX	COURSE NAME	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE
MAT 225	Basic Statistics					
CIS 100	Introduction to Computers					
GEO 170	Introduction to Geospatial Technology					
GEO 217	Introduction to Global Positioning Systems (2 cr)					
GEO 267	Introduction to GIS					
GEO 285	Internship in GIS					

III. Electives (6 cr):

COURSE PREFIX	COURSE NAME	SUBSTITUTE COURSE	SEMESTER	YEAR	CREDITS	GRADE
GEO 285: Internship in GIS (2 semesters and 1 summer) or GEO 280: GIS Applications or any other GEO course at the 200 level (see advisor)						

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Associate of Applied Science in Geographic Information Science

The Associate of Applied Science program consists of 60 credit hours. This program is designed to serve as a direct employment option, addressing gaps in hiring tribal members for geospatial technology positions. With tribal hiring requirements, many of these positions only need an associate-level degree. This degree program is designed to be easily linked with the 31-credit hour certificate program. Seven additional courses (General Education and internship) allow students wishing to continue beyond the certificate, to obtain a degree in their field. The A.A.S. program offers students with a hands-on internship experience and a more advanced level of technical skills in geographic information systems.

Program Learning Outcomes

Students successfully completing this degree will be able to demonstrate proficiency in the following areas:

1. Acquiring Data
2. Creating and Critiquing Maps
3. Analyzing Patterns in Spatial Data
4. Design and Implementation of a GIS Project
5. Demonstrating an understanding for GIS Applications
6. Demonstrate an Ability to Complete a Real-World Project in a Professional Environment

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:
Faculty Advisor:	Date:
Academic Advisor	Date:
Registrar:	Date:
Dean of Academics:	Date: