

PIMA COMMUNITY COLLEGE TRANSFER PATHWAY

NATURAL RESOURCES B.S. FISHERIES CONSERVATION & MANAGEMENT

Fisheries conservation and management is the study of fish and other aquatic organisms, including their biology and the interrelationships with each other, with humans, and with the physical and biological environment that makes up their habitat. Managers and biologists are concerned with maintaining species diversity, improving conditions for declining and endangered species, managing populations that are fished, conducting law enforcement, and coordinating other resource management activities to maintain environmental quality. Some professionals may be active in surveys of plants and animals, operation and management of refuges and hatcheries, pollution monitoring and testing, design and conduct of research, habitat improvement, pest management, environmental education, or computer modeling. Professionals in fisheries science are employed by federal agencies—the Fish and Wildlife Service, National Park Service, Bureau of Indian Affairs, Bureau of Land Management, and Forest Service, for example—and by state game and fish departments or departments of natural resources.



In the fisheries emphasis, students will take classes such as *Aquaculture*, *Aquatic Plants and The Environment*, and *Stream Ecology* to develop skills for managing and conserving fish populations and habitats.

TRANSFER EQUIVALENCIES

On the following page you will find course equivalencies for the **Natural Resources: Fisheries Conservation and Management** emphasis. The information presented is a recommended outline of courses for students to take at Pima Community College that will transfer as equivalent courses to the University of Arizona. Please consult with a transfer admissions counselor and academic advisor to review specific courses as transfer pathways are subject to change.

The course equivalencies on the following page are from the AZTransfer course equivalency guide. The student's successful completion of each course will be reviewed in the pre-admission evaluation. Please note that all course work will be officially evaluated once your official transcript is processed by the University of Arizona. Students must receive a grade of a C or higher for a course to transfer.

Optional electives that transfer into the university as elective credit:

- BIO 105IN Environmental Biology
- BIO 115IN Wildlife of North America
- BIO 109IN Natural History of the Southwest

NATURAL RESOURCES: FISHERIES CONSERVATION & MANAGEMENT

1st Semester

Pima CC Transfer Course	University of Arizona Course
WRT 101	ENGL 101 First Year Composition
SPA 101, FRE 101, etc.	Second Language
CHM 151IN	CHEM 151 General Chemistry I
BIO 181IN	MCB 181R & MCB 181L General Biology I

2nd Semester

Pima CC Transfer Course	University of Arizona Course
WRT 102	ENGL 102 First Year Composition
MAT 212 or MAT 220	MATH 113 Elements of Calculus or MATH 122A/MATH 122B Calculus I
CHM 152IN	CHEM 152 General Chemistry II
BIO 182IN	ECOL 182R & ECOL 182L General Biology II
SPA 102, FRE 102, etc.	Second Semester Proficiency in Second Language

3rd Semester

Pima CC Transfer Course	University of Arizona Course
BIO 184IN*	PLS 240 Plant Biology / RNR 230R Field Botany*
CHM 235IN or PHY 121IN or GLG 101IN	CHEM 243A & CHEM 241A General Organic Chemistry I or PHYS 181 & PHYS 102 Introduction to Physics I or GEOS 251 Physical Geology
MAT 167 or PSY 230	MAT 167 or PSY 230 Statistics
AGEC-A	Tier I General Education
AGEC-A	Tier I General Education

4th Semester

Pima CC Transfer Course	University of Arizona Course
CMN 110 or CMN 130	COMM 119 Public Speaking or COMM 113 Introduction to Small Group Communication
ECN 201 or ECN 202	Satisfies Economics for this major
AGEC-A	Tier I General Education
AGEC-A	Tier I General Education
AGEC-A	Tier II General Education
STU 210	Elective Credit

*Will still need to take a lab course at the University after completion of BIO184IN for RNR 230R.