

MARICOPA COMMUNITY COLLEGES 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 Maricopa Community Colleges 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.

Natural Resources: Fisheries Conservation & Management

1st Semester

Maricopa CC Transfer Course	University of Arizona Course
MAT 212/213 or MAT 220/221	MATH 113 Elements of Calculus or MATH 122A/MATH 122B Calculus I
ENGL 101	ENGL 101 First Year Composition
CHM 151 & CHM 151LL	CHEM 151 General Chemistry I
AGEC-A	Tier I General Education
SPA 101, FRE 101, etc.	Second Language

2nd Semester

Maricopa CC Transfer Course	University of Arizona Course
MAT 206 or PSY 230	MATH 163 or PSY 230 Statistics
ENGL 102	ENG 102 First Year Composition
CHM 152 & CHM 152LL	CHEM 152 General Chemistry II
SPA 102, FRE 102, etc.	Second Language

3rd Semester

Maricopa CC Transfer Course	University of Arizona Course
ECN 211 or ECN 212	Satisfies ECON 200 Basic Economic Issues
Additional Physical Science*	Additional Physical Science*
AGEC-A	Tier II General Education
BIO 181	MCB 181R & MCB 181L General Biology I
AGEC-A	Tier II General Education

4th Semester

Maricopa CC Transfer Course	University of Arizona Course
COM 225 or COM 230	COMM 119 Public Speaking or COMM 113 Introduction to Small Group Communication
BIO 182	ECOL 182R & ECOL 182L General Biology II
Elective	Elective
Elective	Elective

Additional Physical Science* (choose 1 option): CHM 235 & CHM 235LL and CHM 236 & CHM 236LL
or PHY 111 or GLG 101 & GLG 103 or GLGIN