

## MARICOPA COMMUNITY COLLEGES TRANSFER PATHWAY

### NATURAL RESOURCES B.S.

#### Watershed Management & Ecohydrology

Watershed hydrology and management is the art and science of managing the natural resources of wild land drainage basins, with special consideration given to the quantity and quality of the water resource. Watershed managers are concerned with sustained productivity of such products as water, wood, forage, wildlife, and recreational opportunities. Watershed management graduates are qualified for careers in organizations and businesses concerned with integrated land management, the environment, or water resources. Many are employed as hydrologists. Employers include federal or state agencies, municipal water districts, private consulting firms, and conservation organizations. The study of watershed management emphasizes the combined physical, biological, and management aspects of natural resources, with special attention to water. Students receive specialized course work in subjects specific to the management of surface water resources. The curriculum also emphasizes social science, communication skills, and procedures for analyzing policy, as these tools are becoming increasingly important components of successful resource management activities.

#### TRANSFER EQUIVALENCIES

On the following page you will find course equivalencies for the Natural Resources' watershed management and ecohydrology 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.



In the watershed management and ecohydrology emphasis, students will take classes such as *stream ecology*, *watershed hydrology*, and *introduction to wildland fire* to learn to manage the natural resources of wild land drainage basins, including water quality.

## Natural Resources: Watershed Management & Ecohydrology

### 1st Semester

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

### 2nd Semester

Maricopa CC Transfer Course	University of Arizona Course
MAT 230 or MAT 231	MATH 129 Calculus II
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
MAT 206 or PSY 230	MATH 163 or PSY 230 Statistics
BIO 181	MCB 181R & MCB 181L General Biology I
PHY 111	PHYS 102 & PHYS 181 General Physics I
GLG 101 & GLG 103 or GLG 101IN	GEOS 251 Physical Geology

### 4th Semester

Maricopa CC Transfer Course	University of Arizona Course
ECN 211 or ECN 212	Satisfies ECON 200 Basic Economic Issues
COM 225 or COM 230	COMM 119 Public Speaking or COMM 113 Introduction to Small Group Communication
AGEC-S	Tier II General Education
PHY 112	PHYS 103 & PHYS 182 General Physics II
AGEC-S	Tier II General Education