

## Pre-Fisheries & Wildlife

The pre-fisheries and wildlife program at UMD is a transfer program. After studying for up to 2 years at UMD, students may apply for transfer to the College of Natural Resources at the UMTC to complete their degree. The fisheries and wildlife curriculum provides students with a broad science background emphasizing biological and environmental sciences and other course work needed for careers in fisheries, wildlife, conservation biology, and other natural resource and environmental fields. Students select an area of specialization, usually by the end of the sophomore year. Areas of specialization include Conservation Biology, Fisheries, and Wildlife. Although no computer course is required, students are expected to be computer literate and competent using word processing, spreadsheet, and e-mail software.

### Typical Program of Study – Fisheries Specialization #

#### *Fall Semester*

#### **First Year**

Chem 1151 General Chemistry I	5 cr
Biol 1011 General Biology I	5 cr
Comp 1120 College Writing	3 cr
Comm 1112 Public Speaking	<u>3 cr</u>
	16 cr

#### **Second Year**

Chem 2521 Organic Chemistry I	
<i>or</i> Chem 2222 and 2223 <sup>a</sup>	4 cr
Phys 1001 Intro to Physics I	5 cr
Biol 2201 Genetics	3 cr
Biol 3703 Animal Physiology	<u>3 cr</u>
	15 cr

#### *Spring Semester*

Chem 1152 General Chemistry II	5 cr
Biol 1012 General Biology II	5 cr
Math1290 Calc for the Nat. Sciences	
<i>or</i> 1296 Calculus I*	<u>5 cr</u>
	15 cr

Chem 2522 Organic Chemistry II <sup>a1</sup>	4 cr
Phys 1002 Intro to Physics II	5 cr
Geol 1110 Geol & Earth Systems	4 cr
Econ 1023 Prin of Econ: Micro	
<i>or</i> 1022 Prin of Econ: Macro	<u>3 cr</u>
	16 cr

### Typical Program of Study – Wildlife Specialization #

#### *Fall Semester*

#### **First Year**

Biol 1011 General Biology I	5 cr
Comp 1120 College Writing	3 cr
Chem 1151 General Chemistry I	<u>5 cr</u>
	13 cr

#### **Second Year**

Biol 3601 Plant Diversity	3 cr
Biol 2201 Genetics	3 cr
Phys 1001 Intro to Physics I	5 cr
Geol 1110 Geol & Earth Systems	<u>4 cr</u>
	15 cr

#### *Spring Semester*

Biol 1012 General Biology II	5 cr
Comm 1112 Public Speaking	3 cr
Math 1290 Calc for the Nat. Sciences	
<i>or</i> 1296 Calculus I*	<u>5 cr</u>
	13 cr

Liberal Education courses	6 cr
Econ 1023 Prin of Econ: Micro	
<i>or</i> Econ 1022 Prin of Econ: Macro	3 cr
Phys 1002 Intro to Physics II	<u>5 cr</u>
	14 cr

### Typical Program of Study – Conservation Specialization #

#### **First Year**

Biol 1011 General Biology I	5 cr
Comp 1120 College Writing	3 cr
Chem 1151 General Chemistry I	<u>5 cr</u>
	13 cr

#### **Second Year**

Geol 1110 Geol & Earth Systems	4 cr
Phys 1001 Intro to Physics I	5 cr
Liberal Education courses	<u>6 cr</u>
	15 cr

Biol 1012 General Biology II	5 cr
Comm 1112 Public Speaking	3 cr
Math 1290 Calc for the Nat. Sciences	
<i>or</i> 1296 Calculus I*	<u>5 cr</u>
	13 cr

Econ 1023 Prin of Econ: Micro	
<i>or</i> Econ 1022 Prin of Econ: Macro	3 cr
Phys 1002 Intro to Physics II	5 cr
Liberal Education courses	<u>6 cr</u>
	14 cr

# See advising notes on the reverse side of this planning sheet. Students should plan to work closely with their academic advisor.

Advising notes:

\*First math course is determined by math placement exam. This schedule presupposes placement into Math 1296.

<sup>a</sup> Students may take Chem 2222 Quantitative Analysis lecture and 2223 Quantitative Analysis lab instead of Chem 2521 and 2522. Chem 2222 and 2223 should be taken concurrently.

<sup>a1</sup> Students who take Chem 2222 and 2223 do not need Chem 2522. Students should work with an advisor to find another suitable course to take in its place for the semester.

For information about the Pre-Fisheries and Wildlife transfer program, contact:

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For additional information about the Fisheries and Wildlife major, contact:

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