

**PRE-FISHERIES AND WILDLIFE MANAGEMENT**  
Associate in Science (AS) Degree

Minimum Credits: 66.0  
Contact Hours: 82.0

INTRODUCTION: This is a suggested program of study which may be altered to meet individual needs and transfer plans. Students should refer to the description of Alpena Community College graduation requirements and AS degree distribution requirements and consult with an academic advisor concerning specific course selection. A minimum total of 60 credits is required for the Associate in Science degree.

**GENERAL EDUCATION COURSES ( MEETS GRADUATION REQUIREMENTS AND MTA )**

COURSE	TITLE	CREDITS	CONTACT HOURS
ENG 111 or ENG 121	English Composition I or Advanced English Composition I	3.0	3.0
ENG 112 or ENG 122	English Composition II or Advanced English Composition II	3.0	3.0
MTH 121	College Algebra	4.0	4.0
PLS 221 or PLS 222 or HST 121 & HST 222	American Government Requirement	3.0-6.0	3.0-6.0
	Humanities/Fine Arts & Social Science Requirement	3.0-4.0	3.0-5.0
	Humanities/Fine Arts Requirement	3.0-4.0	3.0-5.0
CEM 111	General Chemistry	4.0	7.0
BIO 129	Field Biology	<u>3.0</u>	<u>4.0</u>
<b>GENERAL EDUCATION CREDITS/CONTACT HOURS:</b>		26.0-31.0	30.0-37.0

**CORE PROGRAM COURSES ( MEET WITH ACADEMIC ADVISOR TO DETERMINE CORE PROGRAM COURSES FOR CONCENTRATION AND TRANSFER )**

COURSE	TITLE	CREDITS	CONTACT HOURS
BIO 161	General College Biology I	4.0	5.0
BIO 162	General College Biology II	4.0	5.0
BIO 207	Wildlife & Fisheries Conservation	3.0	3.0
BIO 210	Introduction to Botany	4.0	6.0
BIO 211	Zoology	4.0	6.0
CEM 112	Organic & Biochemistry	4.0	7.0
GEO 125	Geography	3.0	3.0
GEO 151, GEO 152	Introduction to GIS, Advanced GIS	3.0	4.0
MTH 119	Introduction to Computers & Programming	3.0	3.0
MTH 223	Statistical Methods	4.0	4.0
PHY 121	General College Physics	<u>4.0</u>	<u>6.0</u>
<b>CORE PROGRAM CREDITS/CONTACT HOURS:</b>		40.0	52.0

**SUGGESTED ELECTIVES ( MEET WITH ACADEMIC ADVISOR TO DETERMINE ELECTIVES FOR CONCENTRATION AND TRANSFER )**

Electives will change depending on area of concentration and the specific 4-year transfer institution's requirements. Consult your ACC academic advisor.

**TOTAL MINIMUM PROGRAM CREDITS/CONTACT HOURS:** 66.0 82.0

**SUGGESTED SEQUENCING OF COURSES**

YEAR 1 (FALL SEMESTER) <u>18.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) <u>18.0</u> CREDITS		CREDITS	CONTACT HRS
ENG 111 or ENG 121 English Comp	3.0	3.0	ENG 112 or ENG 122 English Comp	3.0	3.0		
CEM 111 General Chemistry	4.0	7.0	CEM 112 Organic & Biochemistry	4.0	7.0		
BIO 129 Field Biology	3.0	4.0	BIO 162 General College Biology II	4.0	5.0		
BIO 161 General College Biology I	4.0	5.0	BIO 207 Wildlife&Fisheries Conservation	3.0	3.0		
MTH 121 College Algebra	<u>4.0</u>	<u>4.0</u>	MTH 223 Statistical Methods	<u>4.0</u>	<u>4.0</u>		
TOTAL	18.0	23.0	TOTAL	18.0	22.0		
YEAR 2 (FALL SEMESTER) <u>21.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 2 (SPRING SEMESTER) <u>13.0-17.0</u> CREDITS		CREDITS	CONTACT HRS
Bio 210 Introduction to Botany	4.0	6.0	BIO 211 Zoology	4.0	6.0		
PHY 121 General College Physics	4.0	6.0	American Government Requirement	3.0-6.0	3.0-6.0		
MTH 119 Intro to Comp & Programming	3.0	3.0	GEO 151, GEO 152 GIS	3.0	4.0		
Humanities/Fine Arts Requirement	3.0-4.0	3.0-5.0	Humanities/Fine Arts/Social Science Req	<u>3.0-4.0</u>	<u>3.0-5.0</u>		
GEO 125 Geography	<u>3.0</u>	<u>3.0</u>	TOTAL	13.0-17.0	26.0-21.0		
TOTAL	21.0-22.0	23.0					

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