

PRE-VETERINARY
Associate in Science (AS) Degree

Minimum Credits: 62.0
Contact Hours: 83.0

INTRODUCTION: This is a suggested program of study which may be altered to meet individual goals 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 122	Plane Trigonometry	3.0	3.0
PLS 221 or PLS 222 or HST 221 & HST 222	American Government Requirement	3.0-6.0	3.0-6.0
	Humanities/Fine Arts/Social Science Elective	3.0	4.0-5.0
	Humanities/Fine Arts Requirement	3.0-4.0	4.0-5.0
BIO 114	Introduction to Biological Science	4.0	5.0
CEM 121	General & Inorganic Chemistry	<u>4.0</u>	<u>7.0</u>
GENERAL EDUCATION CREDITS/CONTACT HOURS:		26.0-29.0	32.0-37.0

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

COURSE	TITLE	CREDITS	CONTACT HOURS
BIO 201	Human Anatomy	4.0	5.0
BIO 211	General Zoology	4.0	5.0
BIO 227	Microbiology	4.0	6.0
CEM 122	Inorganic Chemistry & Qualitative Analysis	4.0	7.0
CEM 221	Organic Chemistry	4.0	6.0
CEM 222	Organic Chemistry	4.0	6.0
MTH 123	College Algebra & Analytic Trigonometry	4.0	4.0
PHY 121	General College Physics	4.0	6.0
PHY 122	General College Physics	<u>4.0</u>	<u>6.0</u>
CORE PROGRAM CREDITS/CONTACT HOURS:		36.0	51.0

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: 62.0 83.0

SUGGESTED SEQUENCING OF COURSES					
YEAR 1 (FALL SEMESTER) <u>17.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) <u>15.0</u> CREDITS	
ENG 111 or ENG 121 English Comp	3.0	3.0	3.0	ENG 112 or ENG 122 English Comp	3.0
BIO 114 Intro to Biological Science	4.0	5.0	5.0	BIO 211 General Zoology	4.0
CEM 121 General & Inorganic Chemistry	4.0	7.0	7.0	CEM 122 Inorganic Chem & Qual Analysis	4.0
MTH 122 Plane Trigonometry	3.0	3.0	3.0	MTH 123 College Algebra & Analytic Trig	<u>4.0</u>
Humanities/Fine Arts/Social Science Elective	<u>3.0</u>	<u>4.0-5.0</u>		TOTAL	15.0
TOTAL	17.0	22.0-23.0			19.0
YEAR 2 (FALL SEMESTER) <u>15.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 2 (SPRING SEMESTER) <u>15.0-16.0</u> CREDITS	
CEM 221 Organic Chemistry	4.0	6.0	6.0	CEM 222 Organic Chemistry	4.0
BIO 201 Human Anatomy	4.0	5.0	5.0	BIO 227 Microbiology	4.0
PHY 121 General College Physics	4.0	6.0	6.0	PHY 122 General College Physics	4.0
American Government Requirement	<u>3.0-6.0</u>	<u>3.0-6.0</u>		Humanities/Fine Arts Requirement	<u>3.0-4.0</u>
TOTAL	15.0-18.0	20.0-23.0		TOTAL	15.0-16.0
					22.0-23.0

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