

**PRE-DENTAL OR PRE-MEDICINE**  
Associate in Science (AS) Degree

**Minimum Credits: 60.0**  
**Contact Hours: 79.0**

**INTRODUCTION:** This is a suggested program of study which may be altered to meet individual goals and transfer plans. It is suitable for students interested in pre-dental or pre-medical studies. 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 122 or ENG 122	English Composition II or Advanced English Composition II	3.0	3.0
MTH 131	Analytical Geometry & Calculus I	5.0	5.0
PLS 221 or PLS 222 or HST 221 & HST 222	American Government Requirement	3.0-6.0	3.0-6.0
	Humanities/Fine Arts Requirement	3.0-4.0	4.0-5.0
	Humanities/Fine Arts or Social Science Requirement	3.0-4.0	4.0-5.0
BIO 210	Introduction to Botany	4.0	6.0
CEM 121	General & Inorganic Chemistry	<u>4.0</u>	<u>7.0</u>
<b>GENERAL EDUCATION CREDITS/CONTACT HOURS:</b>		28.0-33.0	35.0-40.0

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

COURSE	TITLE	CREDITS	CONTACT HOURS
BIO 211	General Zoology	4.0	5.0
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 223	Statistical Methods	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>
<b>CORE PROGRAM CREDITS/CONTACT HOURS:</b>		28.0	40.0

**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.

<b>ELECTIVE CREDITS/CONTACT HOURS:</b>	<u>4.0</u>	<u>4.0</u>
<b>TOTAL MINIMUM PROGRAM CREDITS/CONTACT HOURS:</b>	60.0	79.0

SUGGESTED SEQUENCING OF COURSES					
YEAR 1 (FALL SEMESTER) <u>11.0</u> CREDITS		CREDITS	CONTACT HRS	YEAR 1 (SPRING SEMESTER) <u>16.0</u> CREDITS	
ENG 111 or ENG 121 English Comp	3.0	3.0	3.0	ENG 112 and ENG 122 English Comp	3.0
BIO 210 Introduction to Botany	4.0	6.0	6.0	BIO 221 General Zoology	4.0
CEM 121 General & Inorganic Chemistry	<u>4.0</u>	7.0	7.0	CEM122 Inorganic Chem & Qual Analysis	4.0
TOTAL	11.0	16.0	16.0	MTH 131 Analytical Geometry & Calc I	<u>5.0</u>
				TOTAL	16.0
					20.0
YEAR 2 (FALL SEMESTER) <u>14.0-18.0</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
PHY 121 General College Physics	4.0	6.0	6.0	MTH 223 Statistical Methods	4.0
American Government Requirement	3.0-6.0	3.0-6.0	3.0-6.0	PHY 122 General College Physics	4.0
Humanities/Fine Arts Requirement	<u>3.0-4.0</u>	<u>4.0-5.0</u>	<u>4.0-5.0</u>	Humanities/Fine Arts/Social Science Req	<u>3.0-4.0</u>
TOTAL	14.0-18.0	19.0-23.0	19.0-23.0	TOTAL	15.0-
					200.-21.0
					16.0

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