

BIOLOGY

ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION: This is a suggested program of study for students seeking a degree in one of the many fields of biology which may be altered to meet individual goals and transfer plans. Students should refer to the descriptions of Alpena Community College graduation requirements and 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		CREDITS: 22
ENG 111 <i>or</i>	ENGLISH COMPOSITION I (3/3) <i>or</i>	
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)	
ENG 112 <i>or</i>	ENGLISH COMPOSITION II (3/3) <i>or</i>	
ENG 122	ADVANCED ENGLISH COMPOSITION II (3/3)	
HUM	HUMANITIES ELECTIVES (6/6)	
MTH 123	COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)	
PLS 221 <i>or</i>	AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)	
PLS 222 <i>or</i>		
HST 221 & HST 222		
SOC	SOCIAL SCIENCE ELECTIVE (3/3)	
CORE PROGRAM REQUIREMENTS		CREDITS: 38
BIO 161	GENERAL COLLEGE BIOLOGY I (4/5)	
BIO 162	GENERAL COLLEGE BIOLOGY II (4/5)	
CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)	
CEM 122	INORGANIC CHEMISTRY & QUALITATIVE ANALYSIS (4/7)	
CEM 221	ORGANIC CHEMISTRY (5/7)	
CEM 222	ORGANIC CHEMISTRY (5/7)	
MTH 223	STATISTICAL METHODS (4/4) ^A	
PHY 121	GENERAL COLLEGE PHYSICS (4/6)	
PHY 122	GENERAL COLLEGE PHYSICS (4/6)	

MINIMUM 60 CREDIT HOURS/76 CONTACT HOURS

NOTES:

^A May substitute MTH 131

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SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER)		CREDITS: 15
BIO 161	GENERAL COLLEGE BIOLOGY I (4/5)	
CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)	
ENG 111 <i>or</i>	ENGLISH COMPOSITION I (3/3) <i>or</i>	
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)	
MTH 123	COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)	
YEAR 1 (SPRING SEMESTER)		CREDITS: 15
BIO 162	GENERAL COLLEGE BIOLOGY II (4/5)	
CEM 122	INORGANIC CHEMISTRY & QUALITATIVE ANALYSIS (4/7)	
ENG 112 <i>or</i>	ENGLISH COMPOSITION II (3/3) <i>or</i>	
ENG 122	ADVANCED ENGLISH COMPOSITION II (3/3)	
MTH 223	STATISTICAL METHODS (4/4)	
YEAR 2 (FALL SEMESTER)		CREDITS: 15
CEM 221	ORGANIC CHEMISTRY (5/7)	
HUM	HUMANITIES ELECTIVE (3/3)	
PHY 121	GENERAL COLLEGE PHYSICS (4/6)	
PLS 221 <i>or</i>	AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)	
PLS 222 <i>or</i>		
HST 221 & HST 222		
YEAR 2 (SPRING SEMESTER)		CREDITS: 15
CEM 222	ORGANIC CHEMISTRY (5/7)	
HUM	HUMANITIES ELECTIVE (3/3)	
PHY 122	GENERAL COLLEGE PHYSICS (4/6)	
SOC	SOCIAL SCIENCE ELECTIVE (3/3)	