

NATURAL SCIENCES

ASSOCIATE IN SCIENCE (AS) DEGREE

DESCRIPTION: This is a suggested program of study which may be altered to meet individual goals and transfer plans. Students should refer to the descriptions 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 are required for the Associate in Science degree.

GENERAL EDUCATION REQUIREMENTS CREDITS: 26-33

ENG 111 *or* ENGLISH COMPOSITION I (3/3) *or*
ENG 121 ADVANCED ENGLISH COMPOSITION I (3/3)

ENG 112 *or* ENGLISH COMPOSITION II (3/3) *or*
ENG 122 ADVANCED ENGLISH COMPOSITION II (3/3)

PLS 221 *or* AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)
PLS 222 *or*
HST 221 & HST 222

MATH ELECTIVE (3-5/4-5)
HUMANITIES/FINE ARTS/SOCIAL SCI REG (3-4/4-5)
HUMANITIES/FINE ARTS REQUIREMENT (3-4/4-5)

CEM 121 GENERAL & INORGANIC CHEMISTRY (4/7)
BIO 210 INTRODUCTION TO BOTANY (4/6)

CORE PROGRAM REQUIREMENTS CREDITS: 27

BIO 203 HUMAN PHYSIOLOGY (3/5)
BIO 211 GENERAL ZOOLOGY (4/5)
CEM 122 INORGANIC CHEM & QUALITATIVE ANALYSIS (4/7)
CEM 221 ORGANIC CHEMISTRY (4/6)
CEM 222 ORGANIC CHEMISTRY (5/7)
PHY 121 GENERAL COLLEGE PHYSICS (4/6)
PHY 122 GENERAL COLLEGE PHYSICS (4/6)

SUGGESTED ELECTIVES CREDITS:

MATH ELECTIVE (3-5/4-5)

NATURAL SCIENCES

ASSOCIATE IN SCIENCE (AS) DEGREE

SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER) CREDITS: 14-16

ENG 111 *or* ENGLISH COMPOSITION I (3/3) *or*
ENG 121 ADVANCED ENGLISH COMPOSITION I (3/3)

CEM 121 GENERAL & INORGANIC CHEMISTRY (4/7)
BIO 210 INTRODUCTION TO BOTANY (4/6)
MATH ELECTIVE (3-5/4-5)

YEAR 1 (SPRING SEMESTER) CREDITS: 14-16

ENG 112 *or* ENGLISH COMPOSITION II (3/3) *or*
ENG 122 ADVANCED ENGLISH COMPOSITION II (3/3)

CEM 122 INORGANIC CHEM & QUALITATIVE ANALYSIS (4/7)
BIO 211 GENERAL ZOOLOGY (4/5)
MATH ELECTIVE (3-5/4-5)

YEAR 2 (FALL SEMESTER) CREDITS: 14-18

CEM 221 ORGANIC CHEMISTRY (4/6)
PHY 121 GENERAL COLLEGE PHYSICS (4/6)

PLS 221 *or* AMERICAN GOVERNMENT REQUIREMENT (3-6/3-6)
PLS 222 *or*
HST 221 & HST 222

HUMANITIES/FINE ARTS REQUIREMENT (3-4/4-5)

YEAR 2 (SPRING SEMESTER) CREDITS: 14-15

BIO 203 HUMAN PHYSIOLOGY (3/5)
CEM 222 ORGANIC CHEMISTRY (5/7)
PHY 122 GENERAL COLLEGE PHYSICS (4/6)
HUMANITIES/FINE ARTS/SOCIAL SCI REG (3-4/4-5)