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)
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)

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)

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)

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)