

## PRE-VETERINARY

### 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 advisory concerning specific course selection. A minimum total of 60 credits is required for the Associate in Science degree.

#### GENERAL EDUCATION REQUIREMENTS CREDITS: 22

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)

HUMANITIES REQUIREMENT (3/3)  
HUMANITIES REQUIREMENT (3/3)

MTH 123 COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)

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

BIO 161 SOCIAL SCIENCE REQUIREMENT (3/3)  
BIO 162 GENERAL COLLEGE BIOLOGY (4/5)  
CEM 121 GENERAL COLLEGE BIOLOGY II (4/5)  
CEM 122 GENERAL & INORGANIC CHEMISTRY (4/7)  
CEM 222 INORGANIC CHEM & QUALITATIVE ANALYSIS (4/7)  
CEM 221 ORGANIC CHEMISTRY (5/7)  
CEM 222 ORGANIC CHEMISTRY (5/7)  
MTH 223 STATISTICAL METHODS (4/4)  
PHY 121 GENERAL COLLEGE PHYSICS (4/6)  
PHY 122 GENERAL COLLEGE PHYSICS (4/6)

#### SUGGESTED ELECTIVES CREDITS:

Electives will change depending on area of concentration and the specific four-year transfer institution's requirements. Consult your ACC academic advisor.

#### MINIMUM 60 CREDIT HOURS/76 CONTACT HOURS

#### NOTES:

<sup>A</sup> OR MTH 131

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### SUGGESTED SEQUENCE OF COURSES

#### YEAR 1 (FALL SEMESTER) CREDITS: 15

BIO 162 GENERAL COLLEGE BIOLOGY II (4/5)  
CEM 121 GENERAL & INORGANIC CHEMISTRY (4/7)

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

MTH 123 COLLEGE ALGEBRA & ANALYTIC TRIG (4/4)

#### YEAR 1 (SPRING SEMESTER) CREDITS: 15

BIO 161 GENERAL COLLEGE BIOLOGY (4/5)  
CEM 122 INORGANIC CHEM & QUALITATIVE ANALYSIS (4/7)

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

HUMANITIES REQUIREMENT (3/3)

PHY 121 GENERAL COLLEGE PHYSICS (4/6)

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

#### YEAR 2 (SPRING SEMESTER) CREDITS: 15

CEM 222 ORGANIC CHEMISTRY (5/7)

HUMANITIES REQUIREMENT (3/3)

PHY 122 GENERAL COLLEGE PHYSICS (4/6)

SOCIAL SCIENCE REQUIREMENT (3/3)