

MATHEMATICS

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 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 REQUIREMENTS CREDITS: 28-33

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)

MTH 131 ANALYTIC GEOMETRY & CALCULUS I (5/5)

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

HUMANITIES/FINE ARTS/SOCIAL SCI REQ (3-4/3-4)
HUMANITIES/FINE ARTS REQUIREMENT (3-4/4-5)
SCIENCE REQUIREMENT (4/4)
LABORATORY SCIENCE REQUIREMENT (4/4)

CORE PROGRAM REQUIREMENTS CREDITS: 14

MTH 132 ANALYTIC GEOMETRY & CALCULUS II (5/5)
MTH 231 ANALYTIC GEOMETRY & CALCULUS III (5/5)
MTH 232 DIFFERENTIAL EQUATIONS (4/4)

SUGGESTED ELECTIVES 13-18

Electives will change depending on area of concentration and the specific four-year transfer institution's requirements. Consult your ACC academic advisory. Students are encouraged to select electives in science which will lead to a minor at a transfer school.

MINIMUM 60 CREDIT HOURS/61 CONTACT HOURS

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ASSOCIATE IN SCIENCE (AS) DEGREE

SUGGESTED SEQUENCE OF COURSES

YEAR 1 (FALL SEMESTER) CREDITS: 15-16

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

MTH 131 ANALYTIC GEOMETRY & CALCULUS I (5/5)
LABORATORY SCIENCE REQUIREMENT (4/4)
NON-SCIENCE ELECTIVE (3-4/3-4)

YEAR 1 (SPRING SEMESTER) CREDITS: 15-16

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

MTH 132 ANALYTIC GEOMETRY & CALCULUS II (5/5)
SCIENCE REQUIREMENT (4/4)
NON-SCIENCE ELECTIVE (3-4/3-4)

YEAR 2 (FALL SEMESTER) CREDITS: 15-19

MTH 231 ANALYTIC GEOMETRY & CALCULUS III (5/5)

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

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

YEAR 2 (SPRING SEMESTER) CREDITS: 15-16

MTH 232 DIFFERENTIAL EQUATIONS (4/4)
SCIENCE ELECTIVE (4/4)
NON-SCIENCE ELECTIVE (3-4/3-4)
HUMANITIES/FINE ARTS/SOCIAL SCI REQ (3-4/3-4)