PHYSICS

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: 29**

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 (3/3)
PLS 222 *or*	
HST 221 & HST 222	
	HUMANITIES/FINE ARTS/SOCIAL SCI REQ (3/4)
	HUMANITIES/FINE ARTS REQUIREMENT (3/3)
CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)
PHY 221	PHYSICS (5/7)

CORE PROGRAM REQUIREMENTS **CREDITS: 27**

CEM 122	INORGANIC CHEMISTRY & QUALITATIVE ANALYSIS (4/7)
MTH 132	ANALYTIC GEOMETRY & CALCULUS II (5/5)
MTH 221	C++ PROGRAMMING (4/5)
MTH 231	ANALYTIC GEOMETRY & CALCULUS III (5/5)
MTH 232	DIFFERENTIAL EQUATIONS (4/4)
PHY 222	PHYSICS (5/7)

SUGGESTED ELECTIVES **CREDITS: 6**

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

MINIMUM 62 CREDIT HOURS/75 CONTACT HOURS

PHYSICS

ASSOCIATE IN SCIENCE (AS) DEGREE
SUGGESTED SEQUENCE OF COURSES

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

ENG 111 *or*	ENGLISH COMPOSITION I (3/3) *or*
ENG 121	ADVANCED ENGLISH COMPOSITION I (3/3)
CEM 121	GENERAL & INORGANIC CHEMISTRY (4/7)
MTH 131	ANALYTIC GEOMETRY & CALCULUS I (5/5)
	NON-SCIENCE ELECTIVE (3/3)

YEAR 1 (SPRING SEMESTER) **CREDITS: 16**

ENG 112 *or*	ENGLISH COMPOSITION II (3/3) *or*
ENG 122	ADVANCED ENGLISH COMPOSITION II (3/3)
CEM 122	INORGANIC CHEMISTRY & QUALITATIVE ANALYSIS (4/7)
MTH 132	ANALYTIC GEOMETRY & CALCULUS II (5/5)
MTH 221	C++ PROGRAMMING (4/5)

YEAR 2 (FALL SEMESTER) **CREDITS: 16**

PLS 221 *or*	AMERICAN GOVERNMENT REQUIREMENT (3/3)
PLS 222 *or*	
HST 221 & HST 222	
MTH 231	ANALYTIC GEOMETRY & CALCULUS III (5/5)
MTH 231	ANALYTIC GEOMETRY & CALCULUS III (5/5)
	HUMANITIES/FINE ARTS REQUIREMENT (3/4)

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

MTH 232	DIFFERENTIAL EQUATIONS (4/4)
PHY 222	PHYSICS (5/7)
	NON-SCIENCE ELECTIVE (3/3)
	HUMANITIES/FINE ARTS/SOCIAL SCI REQ (3/4)