College of Alameda

AA/AS Degree Map

MATHEMATICS
ASSOCIATE OF SCIENCE (OPTION 1 - MATH 1)

START HERE

FALL 1

COURSE		UNITS	REQUIREMENT	COA GE AREA	COMPLETION
MATH 1	Pre-Calculus (+215 Support Course)	4-6	Prereq for Math 3A	4B	
MATH 50	Trigonometry (+216 Support Course)	3-4	Prereq for Math 3A	4B	
ENGL 1A/1AS	Composition and Reading (w/ support)	4-5	GE	4A	
KIN 54A	Cross Fitness I - Fundamentals	1	Elective		
COMM 1A	Introduction to Speech	or	GE	4D	
COMM 45	Public Speaking	3	GE	4D	

NOTES:

15 - 19 Semester Units

SPRING 1

COURSE		UNITS	REQUIREMENT	COA GE AREA	COMPLETION
MATH 3A	Calculus I	5	Major	4B	
MATH 13	Introduction to Statistics (+213 Support Course)	4 - 6	Major Elective	4B	
PSYCH 1A	Introduction to General Psychology	or	GE	2	
PSYCH 1B	Introduction to General Psychology	3	GE	2	
MUSIC 15A	Jazz, Blues & Popular Music in the American Culture*	or	GE	3 & 5	
MUSIC 15B	Jazz, Blues & Popular Music in the American Culture*	3	GE	3 & 5	

NOTES: *Course may be taken during intersession if offered.

15 - 17 Semester Units

SUMMER

COURSE		UNITS	REQUIREMENT	COA GE AREA	COMPLETION
MATH 3B	Calculus II	5	Major	4B	

5 Semester Units

FALL 2

COURSE		UNITS	REQUIREMENT	COA GE AREA	COMPLETION
MATH 3C	Calculus III	5	Major	4B	
AFRAM 30	African-American History: Africa to 1865**	or	Elective	2 & 5	
ASAME 45A	Asian-American History to 1945**	3	Elective	2 & 5	
SOC 5	Minority Groups*	or	Elective	2 & 5	
PSYCH 18	Psychology of Race and Ethnicity in the U.S.*	3	Elective	2 & 5	
GEOG 1	Introduction to Physical Geography	or	GE	1	
BIOL 10	Introduction to Biology	3 - 4	GE	1	
LIS 85	Introduction to Information Resources	or	GE	4C	
CIS 1	Introduction to Computer information Systems	2 - 4	GE	4C	

NOTES: *Course may be taken during intersession if offered.
**Recommended for students who benefit from taking 15 units or more per semester.

16 - 19 Semester Units

SPRING 2

COURSE		UNITS	REQUIREMENT	COA GE AREA	COMPLETION
MATH 3E	Linear Algebra	3	Major	4B	
MATH 3F	Differential Equations***	3	Major	4B	
KIN 54B	Cross Fitness II - Beginning**	1	Elective	Elective	
DANCE 60	Ballet I**	1	Elective	Elective	
DANCE 68	Modern Dance 1**	1	Elective	Elective	
ECON 1	Principles of Economics (Macro-Economics)	or	Elective	2	
ECON 2	Principles of Economics (Micro-Economics)	3	Elective	2	
ANTHR 3	Introduction to Social and Cultural Anthropology	or	Elective	2	
GEOG 2	Cultural Geography	3	Elective	2	

NOTES: **Recommended for students who benefit from taking 15 units or more per semester.
***Prerequisite challenge might be needed for Math 3F if student has taken 3C instead of 3E.

15 Semester Units