

AS-T Math (Transfer Pathway)

The Associate in Science Degree in Mathematics for Transfer is intended to provide an option for students who plan to complete a bachelor's degree in a similar major at a CSU campus, or pursue a teaching career, since teachers of mathematics are always in demand. The study of mathematics can prepare students for a variety of technical and scientific careers. The problem-solving and communication skills acquired are valuable in business, industry, and everyday life, and mathematics is an essential component of any engineering or science degree.

SEMESTER 1 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 39 (Trigonometry) <i>Not UC Transferable</i>	4	MATH 55 or 55B or 55Y (Pre-Requisite)	Fall, Spring & Summer
ENG 1A (Critical Reading and Composition)	3	ENG 104 or ENG 105 with a "Pass" or ESL 25 or equiv course or appropriate skill level demonstrated through the Eng assessment process (Pre-Requisite)	Fall, Spring & Summer
SPCH 1 (Fundamental of Public Speaking)	3	Eligibility for ENG 1A (Strongly Recommended)	Fall, Spring & Summer
IGETC GE - Area 3A (Arts)	3		Fall, Spring & Summer
SEMESTER TOTAL	13		

SEMESTER 2 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 20 (Pre-Calculus Mathematics)	5	MATH 39 (Pre-Requisite)	Fall, Spring & Summer
ENG 4 (Critical Thinking and Writing about Literature) OR ENG 7 (Critical Thinking and Writing)	3	ENG 1A (Pre-Requisite)	Fall, Spring, & Summer
IGETC GE - Area 3B (Humanities) <i>HIST 7 or HIST 8 Strongly Recommended for students seeking transfer</i>	3		Fall, Spring & Summer
IGETC GE - Area 4 (Social and Behavioral Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	14		

SEMESTER 3 - SUMMER

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 1 (Calculus I)	5	MATH 20 (Pre-Requisite)	Fall, Spring & Summer
SEMESTER TOTAL	5		

SEMESTER 4 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 2 (Calculus II)	5	MATH 1 (Pre-Requisite)	Fall, Spring & Summer
IGETC GE - Area 5B (Biological Science)	3		Fall, Spring & Summer
IGETC GE - Area 4 (Social and Behavioral Science) <i>POLI 7 Strongly Recommended for students seeking transfer</i>	3		Fall, Spring & Summer
SEMESTER TOTAL	11		

SEMESTER 5 - SPRING

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
MATH 3 (Multivariable Calculus)	5	MATH 2 (Pre-Requisite)	Fall & Spring
One Course from List B: CS 1 (Computing Fundamentals I) OR MATH 40 (Introduction to Probability and Statistics) PHYS 8A (General Physics I) <i>PHYS 8A meets IGETC Area 5A and 5C Requirements - This plan assumes the use of PHYS 8A for completion of this degree.</i>	4-5	Math 107 (Strongly Recommended) MATH 50 or MATH 55 (Pre-Requisite) MATH 1 (Pre-Requisite)	Fall & Spring Fall, Spring & Summer Fall & Spring
SEMESTER TOTAL	9-10		

SEMESTER 6 - FALL

Courses	Units	Prerequisites/Strongly Recommended	Semesters Offered
One Course from List A: MATH 5 (Ordinary Differential Equations) OR MATH 7 (Elementary Linear Algebra)	3.5	MATH 3 (Pre-Requisite) MATH 2 (Pre-Requisite)	Fall & Spring Fall & Spring
IGETC GE - Area 3 (Arts OR Humanities)	3		Fall, Spring & Summer
IGETC GE - Area 4 (Social and Behavioral Science)	3		Fall, Spring & Summer
SEMESTER TOTAL	9.5		
Total Major Coursework	22.5 - 23.5		
Total Units Required (Minimum)	60		

Plan above follows the IGETC GE (CSU) Pattern - students are eligible to use the CSU GE Pattern in lieu of the IGETC. For the IGETC Pattern (for UC), students must have the Language other than English (LOTE- Area 6 IGETC) requirement fulfilled as well as additional units required for the 60 UC transferable unit requirement. If following the CSU GE Pattern, students must complete Area E.

POTENTIAL TRANSFER INSTITUTIONS BASED ON PLAN (PLEASE REFER TO

BS, Mathematics - General BS),
Chico State (Applied BS, General BS, Mathematics Education BS, Statistics BS),
Dominguez Hills (Mathematics BS),
CSU East Bay (Applied BS, Mathematics Teaching BS, Mathematics Option A BS, Statistics - General BS),
Fresno State (Mathematics BA),
CSU Fullerton (Actuarial Science BA, Applied BA, General BA, Probability and Statistics BA, Pure Mathematics BA, Mathematics Teaching BA),
Humboldt State (Mathematics BA),
CSU Long Beach (Applied Mathematics BS, General BS, Mathematics Education BS, Statistics BS),
CSU Los Angeles (General BA),
CSU Monterey Bay (Mathematics Subject Matter Preparation Program BS, Pure Math BS),
CSU Northridge (Applied BS, General BA, General BS, Mathematics Secondary Teaching BA, Statistics BS),
Cal Poly Pomona (Secondary Teacher Prep, Pure Mathematics BS),
CSU Sacramento (General BA),
CSU San Bernardino (General BA),
San Diego State (Mathematical Science BS),
San Francisco State (Applied General BS, Mathematics for Advanced Study BA, Mathematics for Liberal Arts BA, Mathematics for Teaching BA, Statistics - General BS),
San Jose State (Liberal Arts BA, Mathematics BA, Mathematics Preparation for Teaching BA),
CSU San Marcos (General BS), **Sonoma State** (Applied Statistics - General BA, Mathematics - General BA),
CSU Stanislaus (General BA, General BS)

**UC CAMPUSES REQUIRE ADDITIONAL COURSEWORK (MAJOR PREP AND LOTE)
(PLEASE REFER TO ASSIST.ORG FOR FINAL VERIFICATION OF COURSEWORK):**

Last Updated: 12/15/16