MATHEMATICS

Mathematics
Associate in Science for Transfer Degree (AA-T)

Students who successfully complete the AS-T in Mathematics earn specific guarantees for transfer to the CSU system: admission to a CSU with junior status and priority admission to their local CSU campus and to a program or major in Mathematics or a similar major. Students transferring to a CSU campus will be required to complete no more than 60 units after transfer to earn a bachelor's degree.

Students are required to complete 60 semester units that are eligible for transfer to a California State University, including both of the following: (1) The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements and (2) 21 semester units with a grade of C or P or better in the major and an overall minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. See pages 98–99 for a more detailed description of Associate Degrees for Transfer.

Students are advised to consult with a Berkeley City College Counselor for additional information and to verify transfer requirements.

NOTE: Although it is possible to fulfill the requirements for the Associate Degree for Transfer by completing the IGETC for UC pattern, admission to CSU requires completion of an Oral Communication course (IGETC Area 1C; CSU GE Area A-1); therefore, students who plan to transfer to CSU should complete this course as part of their GE or elective units.

Required Courses:		*Units*
MATH 3A	Calculus I	5
MATH 3B	Calculus II	5
MATH 3C	Calculus III	5
MATH 3E	Linear Algebra	3
MATH 3F	Differential Equations	3
	Major Requirements	21
	General Education (IGETC or CSU GE) and Electives	39
	Total Units	60

Mathematics

Associate in Science for Transfer Degree
Recommended Two-Year Course Sequence Beginning in the Fall Semester

Students can use the following pattern to complete an Associate in Arts degree in Mathematics for Transfer Degree. This is only one possible pattern. If they wish to earn an associate degree, you must participate in the Student Success Program (Matriculation), which includes assessing academic skills and developing a Student Education Plan (SEP) with a Counselor. This plan will map their sequence of courses to help them complete their degree regardless of the semester they begin classes.

Course		Units
	1st Semester/Fall	
MATH 3A	Calculus I	5
	General Education and Electives	10
	Total	15
	2nd Semester/Spring	
MATH 3B	Calculus II	5
MATH 3E	Linear Algebra	3
	General Education and Electives	7
	Total	15
	3rd Semester/Fall	
MATH 3C	Calculus III	5
	General Education and Electives	10
	Total	15
	4th Semester/Spring	
MATH 3F	Differential Equations	3
	General Education and Electives	12
	Total	15

Program Learning Outcomes

Students who complete the program will be able to:

- Apply mean value theorems.
- Solve linear systems, integration problems, and problems for multivariable functions.
- Graph and analyze basic functions.
- Calculate derivatives.
- Solve differential equations and analyze the solution sets.