

## Associate Degree for Transfer - Mathematics

### 2015-2016 STUDENT ADVISING GUIDE

#### MATHEMATICS FOR TRANSFER



Associate Degree for Transfer  
*A Degree with a Guarantee.<sup>SM</sup>*

The Associate in Science in Mathematics for Transfer Degree (Mathematics AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing the degree are guaranteed admission to the CSU system, but not to a particular campus or major.

A student graduating with an Associate in Science in Mathematics for Transfer Degree may transfer to a four-year institution to complete a Bachelor's Degree in mathematics and applied mathematics or similar programs.

#### To earn a Mathematics AS-T degree, students must complete:

1. Certified completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC-CSU) or the California State University General Education-Breadth Requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0 on transfer courses.
3. Obtainment of a "C" grade or better in all courses required for the major or area of emphasis.
4. Complete a minimum of 12 units in residency at the college granting the degree.

#### REQUIRED CORE (6 units):

		UNITS
MATH V21A	Calculus/Analytic Geometry I	5
MATH V21B	Calculus/Analytic Geometry II	5
MATH V21C	Multivariable Calculus	5

Choose a minimum of 6 units from LIST A and B with at least 3 units from LIST A:

#### LIST A

Select one to two (1-2) of the following courses (3-6 units):

MATH V22	Linear Algebra	3
MATH V23	Differential Equations	3

#### LIST B

Select one (1) of the following courses (3-5 units):

CS V11	Programming Fundamentals	3
CS V13	Object-Oriented Programming	3

(GA 8/13)

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CS V17 /MATH V52	Discrete Structures	3
CS V30	Beginning C + +	3
CS V40	Beginning Java	3
MATH V44	Elementary Statistics	4
PHYS V03A	General Physics I: Calculus Based	4
<b><u>AND</u></b>		
PHYS V03AL	General Physics I Laboratory: Calculus Based	1
Major Units		21-23
CSU General Education or IGETC Pattern		44-45
<i>(Note: CSU and UC will grant only 37-39 units in general education requirements. Additional units will be applied as elective units.)</i>		
Electives (CSU transferrable units to reach 60)		
Double-Counted Units (major and general education		(5-10)
<b>DEGREE TOTAL</b>		<b>60</b>

Please refer to Course Identification System (C-ID) website for course numbers  
[http://www.c-id.net/course\\_compare.html](http://www.c-id.net/course_compare.html)

*Program effective Fall Semester 2013.*

*Approved on 07/16/2013 by the California Community College Chancellor's Office.*

Transfer requirements may differ. See a counselor or consult [www.assist.org](http://www.assist.org),  
if you plan to transfer to a UC campus or a college or university other than CSU.