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MATHEMATICS

Pathway: Liberal Arts and Transfer Prep
Office: Aspen Hall (AH/TE) - Room 516
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Award Title	Academic Plan	Award Type	GE Units	Required Course Units	Major Elective Units	Major Units
Mathematics	T031014H	AST	IGETC/CSU	15	6-7	21-22
This program is Financial Aid Eligible.						

PROGRAM OVERVIEW

The Associate in Science for Transfer in Mathematics prepares a student for transfer into the CSU system for further study in pure or applied mathematics. Earning a 4-year degree in mathematics prepares students for careers in which mathematical skills are in great demand, such as science, technology, engineering, computer science, business, industry, medicine, education or government. The goal of this degree is to provide a clear pathway for transfer students applying to the California State University (CSU). Completion of the Associate in Science in Mathematics for Transfer (AST) ensures transfer students will complete the lower division general education requirements as well as the articulated lower division major requirements for the bachelor's degree in Mathematics prior to transferring.

The Associate in Science in Mathematics for Transfer (AS-T) degree will be awarded upon completion of the following.

- Completion of 60 transferable semester units to the California State University
- Obtainment of a minimum grade point average of 2.0 in all transferable coursework.
- Full completion of one the following General education patterns
- The Intersegmental General Education Transfer Curriculum (IGETC), with "C"s or better in all coursework AND completion of Area 1C Oral communication (CSU admission requirement)
- California State University General Education – Breadth Requirements (CSU GE). Areas A1, A2, A3, & B4 must be completed with a grade of "C" or better (CSU admission requirement)
- A minimum of 23 semester units required for the major
- All courses in the major must be completed with a grade of "C" or better or a "P" if the course is taken on a "Pass-No Pass" basis (Title 5 § 55063).

PROGRAM LEARNING OUTCOMES (PLOs)

Upon completion of the **Degree** program, students are able to:

- Apply techniques of Differential and Integral Calculus to solve problem in mathematics, statistics and applied sciences.
- Analyze data using methods of differential or integral calculus or statistics.
- Apply techniques of linear differential equations and systems of differential equations to develop mathematical models for application problems.

MATHEMATICS
Associate in Science for Transfer Degree
Major Units: 21-22

Requirements for the Associate in Science Transfer degree in Mathematics may be met by completing 15 units of Required Courses and 6-7 units of Major Electives with a "C" or better along with general education courses meeting IGETC or CSU Requirements.

REQUIRED COURSES:

		UNITS
MATH 265	Calculus with Analytic Geometry I	5
MATH 266	Calculus with Analytic Geometry II	5
MATH 267	Calculus with Analytic Geometry III	5

MAJOR ELECTIVES:

Select at least 6-7 units from the courses below		UNITS
MATH 270	Linear Algebra	3
MATH 275	Ordinary Differential Equations	3
MATH 227	Statistics	4

MAJOR REQUIRED MINIMUM SUBTOTAL	23 units
CSU or IGETC for CSU GE Pattern	37-39 units
CSU Transferable Elective units	(as needed to reach 60 units)
TOTAL CSU transferrable units	60 units

USEFUL LATTC LINKS:

College Catalog: http://college.lattc.edu/catalog/
Financial Aid Office: http://college.lattc.edu/financialaid/
Counseling Department: http://college.lattc.edu/counseling/
General Education Information: http://college.lattc.edu/catalog
University Transfer Center: http://college.lattc.edu/utc/
Liberal Arts and Transfer Prep Pathway: http://pathways.lattc.edu/catalog-programs/la/

To register: http://college.lattc.edu/student/new-students/register-now/
For additional information consult a LATTC college counselor.

LOS ANGELES TRADE-TECH
LATTC
A Community College
400 W. Washington Blvd.
Los Angeles, CA 90015
www.lattc.edu

2018-2020 College Catalog
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