

MATHEMATICS FOR TRANSFER (AS-T)

PROGRAM DESCRIPTION:

The Associate of Science in Mathematics for Transfer degree provides students with sufficient understanding of mathematical concepts, skills, and applications to attain upper division status in mathematics at a four-year college or university, majoring in Mathematics, Physics, Engineering, or Computer Science.

The program is suited to the needs of students who will complete their education at Chaffey College with an A.S. degree, as well as those students who will complete their Chaffey A.S. degree and transfer to a four year institution to complete their bachelor's degree. Successful completion of the transfer degree in Mathematics guarantees the student acceptance to a California State University (*but does not guarantee acceptance to a particular campus or major*) to pursue a baccalaureate degree, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management law enforcement, government, and education.

CAREER AT A GLANCE:

HOW DO I KNOW IF THIS MAJOR IS FOR ME?

- You enjoy using math to solve problems
- You like using mathematical data to analyze results
- You pay close attention to details and have strong critical thinking skills
- You enjoy collecting data
- You have strong written communication and organizational skills
- You enjoy creating charts, presentations, and reports to describe results

Use Focus2Career on your MyChaffey portal to learn more about careers and majors that fit you best.

WHERE CAN I WORK?

Scientific Research and Development Services	Educational Institutions
City/County Offices	Insurance Companies
Federal/State Government	Non-Profit Organizations
Small Businesses	Community Centers

For more information visit: www.labormarketinfo.edd.ca.gov/OccGuides

HOW DO I GET STARTED?

- Start taking introductory math and sciences courses
- Apply for entry level positions in reception, data entry, or customer service with employers where you would like to promote
- Job shadow and conduct informational interviews with professionals in positions you wish to obtain in the future
- Volunteer in schools or community events
- Attend university campus tours and visit the Transfer Center to decide where you want to transfer

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?

<i>Position Title</i>	<i>CA Median Salary</i>
Research Technician	\$51,500
Survey Assistant	\$51,500
Eligibility Interviewer	\$38,690
Recreation Worker	\$27,290

WHAT CAN I DO WITH HIGHER EDUCATION AND ADDITIONAL TRAINING?

<i>Position Title</i>	<i>CA Median Salary</i>
Mathematician	\$110,120
Tutor	\$36,880
Operations Research Analyst	\$87,800
Research and Development Director	\$138,190
Middle/HS Teachers	\$77,980
Social Science Research Assistant	\$51,500
Actuary	\$110,130
Statistician	\$84,740
Math Professor	\$70,910
Survey Researcher	\$62,850
Statistical Assistant	\$52,420

For more information about careers, education and training requirements, salary data, and job outlooks visit www.onetonline.org

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MAJOR AND COURSE REQUIREMENTS:

To obtain the Mathematics AS-T degree, students must:

- Complete all the major requirements listed below with grades of C or better.
- Complete a minimum of 60 CSU-transferable units listed with a grade point average (GPA) of 2.0 or better.
- Complete either the California State University General Education Breadth pattern (CSUGE), or the Intersegmental General Education Transfer Curriculum (IGETC).

LEGEND: G=Grade IP=In Progress N=Need **Bold:** Prerequisites Plain Text: No Prerequisites

<i>Major Requirements for the Associate in Science for Transfer Degree: (S291A/B)</i>		Grade	IP	Need	Units
MATH 65A	Calculus I				4
MATH 65B	Calculus II				4
MATH 75	Calculus III				5

Student Name: _____

ID#: _____

Date: _____

<i>List A: Plus one course from the following:</i>		Grade	IP	Need	Units
MATH 81	Linear Algebra				4
MATH 85	Differential Equations				4

Counselor: _____

<i>List B: Plus one course from the following:</i>		Grade	IP	Need	Units
<i>Any from List A not used above or:</i>					
CISPROG 1	Introduction to Computer Programming				3
ENGIN 30	Engineering Application of Digital Computation				3
PHYS 45	Physics for Scientists and Engineers I				5
STAT 10	Elementary Statistics				4

Units for the Major: 20-22 units

COUNSELOR NOTES:

	IGETC	CSU
General Education	37	39
Total units that may be double counted	7	7
Elective (CSU transferable) units	8-10	6-8
	60	60

\$46 per unit for CA Residents