MATHEMATICS ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER (AS-T)

PROGRAM CODE: 1S32103
Financial Aid Eligible

The **Mathematics Associate in Science Degree for Transfer** is designed to provide an opportunity for the Mathematics major to achieve an Associate in Science in Mathematics for Transfer (AS-T in Mathematics) which completes the first and second year requirements for transfer to a four-year public California institution. Students with a degree in mathematics may pursue careers in a variety of industries such as education, finance, insurance, information technology, engineering and operations, manufacturing, consulting, analysis, research, and more. While at least a baccalaureate degree is recommended preparation for those considering professional careers, completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for further academic study through upper-division course work. This curriculum specifically prepares the prospective transfer student for upper division coursework in Mathematics or a similar major at a California State University (CSU) campus. Students should consult a counselor, the Transfer Center and the catalog of the transfer college or university to plan a specific program of study to meet the college or university's requirements. Note: Courses that fulfill major requirements for an Associate Degree for Transfer at Cypress College might not be the same as those required for completing the major at all transfer institutions offering a Baccalaureate Degree. The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The AS-T is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept the AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. The completion of this curriculum will demonstrate commitment to the Mathematics field and provide comprehensive preparation for upper-division work. To earn an AS-T in Mathematics students must complete the following requirements: (1) a minimum of 21 semester units or 31.5 quarter units in the major or area of emphasis as determined by the community college district, (2) earn a grade of C or better in all courses required for the major or area of emphasis, AP(Pass) grade is an acceptable grade for a course in the major only if the P is defined to be equivalent to a C or better(3) the California State University General Education Breadth requirements (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern, (4) 60 semester or 90 quarter CSU-transferable units, and (5) obtainment of a minimum grade point average (GPA) of 2.0. This degree requires a total of 21 units in the major in addition to other graduation requirements.

Code	Title	Units
Required Courses: (12 units)		
MATH 150AC	Calculus I	4
MATH 150BC	Calculus II	4
MATH 250AC	Multivariable Calculus	4
List A (5 units)		
MATH 250BC	Linear Algebra and Differential Equations	5
List B: Choose one course from the following: (4 units)		
PHYS 221 C	General Physics I	4
or MATH 120 C	Intro Probability Statistics	
or MATH 120PC	Intro to Probability and Stats	
Total Units		**21**

Program Student Learning Outcomes:

OUTCOME 1: Acquire the knowledge and skills necessary for transfer to a four-year institution, including limits, differentiation, integration, and their applications.

https://www.curricunet.com/Cypress/reports/program_report.cfm?programs_id=1496