Mathematics

Associate in Science for Transfer

The Associate in Science in Mathematics for Transfer (Mathematics AS-T) is intended for students who plan to complete a bachelor's degree in a "similar" major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to icangotocollege.com and seek guidance from an Oxnard College counselor. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. See page 70 for more information. Students transferring to a CSU ... **More**

Program Learning Outcomes

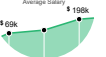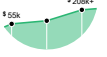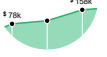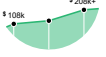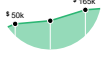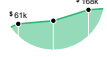|	
1 Develop a conceptual understanding of limit, continuity, differentiation, and integration as well as a thorough background in techniques and application of calculus.	**2** Demonstrate a working knowledge of selected topics from calculus, linear algebra, and a distribution of other branches of mathematics.
3 Demonstrate the ability to solve problems, including applications outside of mathematics, by means of intuition, creativity, guessing, and the experience gained through the study of particular examples and mathematical ideas.	**4** Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
5 Use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.	

Salary, Growth and Careers

Salary
Careers associated with this program have a salary range from $50,000 to over $208,000 with an average salary of $120,000.

$50k Low $120k Average $208k+ High

Growth
Career opportunities for this program are expected to grow nationwide from 2019 to 2029.

13.5% Job Growth
2019   2029

Careers

Data Scientists and Mathematical Science Occupations, All Other	Mathematical Science Teachers, Postsecondary Mathematicians	Natural Sciences Managers	Postsecondary Teachers, All Other	Secondary School Teachers, Except Special and Career/Technical Education	Statisticians	Data Scientists and Mathem... Occupations, All Other
Education Level Bachelor's degree	**Education Level** Doctoral or professional degree	**Education Level** Master's degree	**Education Level** Bachelor's degree	**Education Level** Doctoral or professional degree	**Education Level** Bachelor's degree	**Education Level** Master's degree	**Education Level** Bachelor's degree
+31.4% Job Growth	+5.6% Job Growth	+2.7% Job Growth	+5.8% Job Growth	+5.9% Job Growth	+7.8% Job Growth	+38.4% Job Growth	+31.4% Job...
$127k Average Salary	**$116k** Average Salary	**$118k** Average Salary	**$182k** Average Salary	**$105k** Average Salary	**$88k** Average Salary	**$108k** Average Salary	**$127** Average S...
$69k ... $198k	$55k ... $208k+	$78k ... $158k	$108k ... $208k+	$50k ... $165k	$56k ... $120k	$61k ... $168k	$69k ...

🎓 **Education levels** are meant to represent what is typical for entry into the career, based on data from the U.S. Bureau of Labor Statistics.

Program Map

Pathway:
to CSU

Map View ☐   List View

This program map from the **2022-2023** catalog year represents one possible pathway through the program and is for reference only. Make an appointment to create a customized education plan that fits your needs.   **Make Appointment**

See program maps from previous catalog years

OXNARD COLLEGE

About ↗   Accessibility

Major Course   General Education Course   Elective Course   Milestone | ⚲ Offers Microcredential

Fall
1st Term

MATH R120
5.0 Units
Calculus with Analytic Geometry I

Written Communication
4.0 Units
Choose a course from Area A2.

CSU AREA D (U.S. HIST)
3.0 Units
Choose a course (3 units)

Lifelong Learning and Self-Development
3.0 Units
Choose a course from Area E.

Attend a Transfer 101 Workshop
Transfer successfully by learning the process to help you plan.

Associate Degrees for Transfer-Articulation within VCCCD
A listing of courses throughout the district.

15.0 UNITS

Spring
2nd Term

MATH R121
5.0 Units
Calculus with Analytic Geometry II

Oral Communication
3.0 Units
Choose a course from Area A1.

Critical Thinking
3.0 Units
Choose a course from Area A3.

CSU AREA B SCIENTIFIC INQUIRY
3.0 Units
Choose a course

Laboratory Science
1.0 Units
Choose a course from Group 5C.

Career Center Workshops
Preparing for a career starts now, sign-up for a workshop today.

15.0 UNITS

Summer
3rd Term

Arts, Literature, Philosophy, and Foreign Language
3.0 Units
Choose a course from Area C.

Ethnic Studies
3.0 Units
Choose a course from Area F.

6.0 UNITS

Fall
4th Term

MATH R122
5.0 Units
Calculus with Analytic Geometry III

MATH ELECTIVE LIST A
3.0 Units
Choose a course

CSU AREA D (U.S. GOVERNMENT)
3.0 Units
Choose a course (3 units)

Humanities
3.0 Units
Choose a course from Area C2.

Next Steps Workshop
You applied to a university, now what?

Apply for Graduation
Congratulations on all your hard work it is time to apply to graduate.

14.0 UNITS

Spring
5th Term

MAJOR ELECTIVE
4.0 Units
Choose a course

Arts
3.0 Units
Choose a course from Area C1.

Social Sciences
3.0 Units
Choose a course from Area D.

CSU AREA B SCIENTIFIC INQUIRY
3.0 Units
Choose a course

IGETC AREA 6: LANGUAGE OTHER THAN ENGLISH
4.0 Units
Choose a course from Area 6.

17.0 UNITS

◆ **Mathematics - Associate in Science for Transfer**
67.0 units

↓

The California State University

No upper division map currently available for your selection.
Looking to transfer to a California State University? Many CSUs will accept our lower division map. Check out
CSU transfer programs or use Assist to find detailed information about our CSU transfer agreements.

Print Program Map   Make Appointment