

MATHEMATICS 2.0: AS-T DEGREE

The Mathematics Department at Napa Valley College offers a comprehensive and rigorous program designed to meet the diverse needs of students pursuing various academic and career goals. Our math courses provide a strong foundation in mathematical principles and critical thinking skills, preparing students for success in STEM fields, business, social sciences, education, and beyond.

The Associate Degree in Science in Mathematics 2.0 for Transfer is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Mathematics. California Community College students who are awarded an Associate Degree in Science in Mathematics 2.0 for Transfer are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions.

To fulfill the requirements for this degree, students will complete the required and elective courses in the area of emphasis and Cal-GETC pattern requirements totaling no more than 60 semester CSU-transferable units. Note: Certain STEM ADTs may allow for total degree units up to 66.

Additional NVC graduation requirements do not apply to this degree. Students must successfully pass all courses in the area of emphasis with a minimum of "C" (or "P") and maintain an overall minimum GPA of 2.0. Additionally, students pursuing this degree option must work with a counselor and faculty advisor to ensure appropriate elective course selections for their intended area of emphasis for the baccalaureate degree.

Program Learning Outcomes

1. Generate and analyze graphs.
2. Solve application problems.
3. Implement computational procedures.
4. Write mathematical proofs.

Degree Requirements

Code	Title	Units
Required Core Courses (21 units)		
MATH-C2210	Calculus I: Early Transcendentals	5
MATH-C2220	Calculus II: Early Transcendentals	5
MATH-221	Multivariable Calculus	5
MATH-222	Differential Equations	3
MATH-220	Linear Algebra	3
Required Electives: List A (3-4 units)		
Complete one course from the following:		3-4
COMS-120	Introduction to Programming Concepts And Methodologies	
COMS-215	Programming Concepts and Methodology I	
COMS-216	Programming Concepts & Methodology II	
PHYS-140	Physics for Scientists & Engineers I	
Total Units		24-25

To receive an Associate Degree for Transfer, students must complete 60 CSU transferable semester units with a grade point average of at least 2.0, and the California General Education Transfer Curriculum (Cal-GETC) (<https://catalog.napa valley.edu/getting-your-degree/general-education/#calgetcgeneraleducationtext>) beginning fall 2025. Consultation with a Counselor is highly encouraged to ensure all requirements are met.