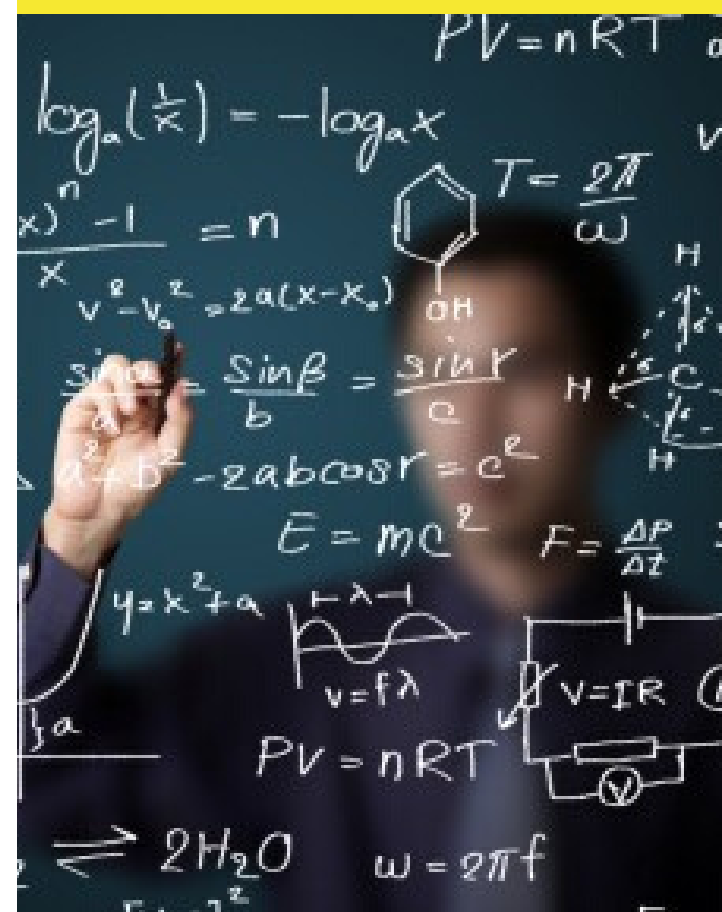# UCDAVIS
MATHEMATICS

Mathematics AB

Interested?

Talk with the Math Undergraduate Advisor, Cydney Matteson, about switching to a BS/AB Mathematics major. Set up your appointment at appointments.ucdavis.edu.

PROGRAM OVERVIEW

As a first-year, you will begin with preparatory courses in mathematics, engineering or computer science, physics and statistics. At the upper division level, you may choose to focus your studies on one of three areas: preparation for graduate study in mathematics, computational and applied mathematics or mathematics for secondary (middle or high school) teaching. You may choose to earn an A.B. degree, which allows you more flexibility to take courses outside your major, or a B.S. degree, which provides more focused instruction in mathematics.   For Transfer Students: all lower-division requirements (equivalent to the first two years of courses) must be completed prior to transferring.

STILL NOT SURE IF MATH IS FOR YOU?

Do you like solving problems and critical thinking?Are you interested in a postgraduate or professional degree after your undergraduate studies?Do you want to apply quantitative and analytical skills to solve problems?Are you considering teaching as a career?If you answered "yes" to any of these questions, you should consider a major in General Mathematics!

Sample Schedule

Year 1
Fall Quarter: MAT 21A
Winter Quarter: MAT 21B
Spring Quarter: MAT 21C, ENG 6
Year 2
Fall Quarter: MAT 21D, MAT 22A
Winter Quarter: MAT 22B, MAT 108
Spring Quarter: MAT 127A, 1 Natural Science Class
Year 3
Fall Quarter: MAT 127B, 1 Enrichment Class
Winter Quarter: MAT 127C, 1 Enrichment Class
Spring Quarter: 1 Enrichment Class, 1 Natural Science Class
Year 4
Fall Quarter: MAT 150A, 1 Enrichment Class
Winter Quarter: 1 Enrichment Class, Capstone
Spring Quarter: 1 Natural Science Class

Secondary Teaching Emphasis
Year 1
Fall Quarter: MAT 21A
Winter Quarter: MAT 21B
Spring Quarter: MAT 21C, ENG 6
Year 2
Fall Quarter: MAT 21D, MAT 22A
Winter Quarter: MAT 22B, MAT 108
Spring Quarter: MAT 127A, 1 Natural Science Class
Year 3
Fall Quarter: MAT 127B, MAT 115A
Winter Quarter: MAT 127C, MAT 111
Spring Quarter: MAT 135A, MAT 141
Year 4
Fall Quarter: MAT 150A, 1 Enrichment Class
Winter Quarter: Capstone, 1 Natural Science Class
Spring Quarter: 1 Natural Science Class

HOW DOES THIS MAJOR DIFFER FROM OUR OTHER MATH MAJORS?

The General Mathematics major is offered as an A.B. or a B.S. The distinction between the two is "depth" (B.S.) versus "breadth" (A.B.) Additionally, there are two plans: general mathematics, or mathematics for secondary teaching. This major is ideally suited to students who are interested in postgraduate study or enjoy the abstract nature of mathematics.

POSSIBLE CAREER PATHS

Postgraduate Work: Many of those who go on to graduate school choose from a variety of schools, such as Wharton School, Harvard, MIT, Stanford, Princeton, and many graduate degree programs at UC Davis. With a graduate degree, you may find a teaching or research job in academia, or a leadership position in industry.

Industry: Companies such as Amazon.com, Google, and Yelp come to UC Davis to actively recruit our graduates. Our math majors graduate to call themselves actuaries, statisticians, computer scientists, cryptologists, analysts, teachers, and much more.