



Berkeley City College

2050 Center St., Berkeley, CA 94704 (510) 981-2800

www.berkeleycitycollege.edu

Mathematics AS-T FAQs

What is the program?

The Associate Science Degree in Mathematics for Transfer (AS-T):

- Prepares students for a seamless transfer with junior status and priority admission to their local CSU campus to a program or major in Mathematics or similar major for completion of a baccalaureate degree.
- Students are required to complete: (1) a minimum of 21 semester units in the major with a grade of C or better while maintaining a minimum GPA of a least 2.0 in all CSU transferable coursework; (2) 60 semester CSU-transferable units using the California State University-General Education-Breadth pattern; **or** the Intersegmental General Education Transfer Curriculum pattern; (3) No more than 60 semester units are required.
- The AS-T Degree in Mathematics will also assist Mathematics major students to transfer to a UC or other baccalaureate institutions.

What courses do students need to take in this program?

- MATH 3A Calculus I
- MATH 3B Calculus II
- MATH 3C Calculus III
- MATH 3E Linear Algebra
- MATH 3F Differential Equations

What are the benefits of this program?

- Students will learn advanced mathematics and problem-solving skills useful in a variety of settings and careers.
- Students will learn from knowledgeable professors passionate about their subject.
- Opportunities to tutor mathematics are available.
- A Math club with regular meetings may be available.

What educational or career paths exist for students completing this program?

- Popular career choices for mathematicians include teaching, actuarial science, computer science, operations research, biomathematics, cryptography, finance, science and engineering.
- According to the Bureau of Labor Statistics, employment of mathematicians is projected to grow 23% from 2012 to 2022, much faster than average for all occupations.



The Peralta Colleges: Berkeley City College, College of Alameda, Laney College and Merritt College



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- Businesses will need mathematicians to analyze the increasing volume of digital and electronic data.

What other things do students need to know before they start?

- In preparation for completion of a mathematics degree, Berkeley City College offers several sections of pre-collegiate courses in Arithmetic, Pre-algebra, Elementary Algebra, Geometry and Intermediate Algebra, Trigonometry and Pre-calculus.

What are the advantages of choosing an AD-T, AA, AS, CA, or CP?

- Upon completion of an AS-T in Mathematics, the student is eligible for transfer with junior standing into the California State University (CSU) system. Students will be given priority consideration when applying to a particular program that is similar to the student's community college area of emphasis.
- Completion of the sequence of math courses in the AS-T satisfies the math requirements for transfer to the University of California system into the mathematics major.

Who might be attracted to this program?

- Students interested in careers involving problem solving and critical thinking such as computer science, science and engineering, finance or actuarial science.
- Students who wish to transfer to a four-year college in mathematics and want to complete an associate degree prior to transfer.

Whom do students contact for more information about this program?

- Department Chair: Ms. Kelly Pernell, kpernell@peralta.edu
- Mathematics Instructor: Dr. Patrick Zulkowski, pzulkowski@peralta.edu
- Counselor: Mr. Carlos Romero, 510-981-2836, BCC room 344
- Students who see the counselor or faculty advisor for this program increase their likelihood of success.

For more information:

<http://www.berkeleycitycollege.edu/wp/math/>



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