



Preparing for Success in Calculus

**Mondays – Fridays, 9 a.m. – noon (with daily office hours 8 a.m. – 8:45 a.m.)
June 10 – 28, 2024 (no class on June 19 in observance of Juneteenth)
on the Rice University campus**

Come experience the joy in learning calculus on the Rice University campus with other students who love mathematics. The content of this three-week program, Preparing for Success in Calculus, focuses on introductory calculus topics, including limits, continuity, differentiability, and applications of the derivative, with a focus on mathematical communication, proof and justification, and real-world applications. Pre-calculus topics necessary for success in advanced mathematics, including properties and characteristics of function families are reinforced through the lens of calculus. You will engage in rich learning activities, use visualization technology, explore challenging problems, and receive instruction in constructing mathematical proofs. You will also receive guidance with the college admissions process.

Dr. Anne Papakonstantinou and Dr. Richard Parr will facilitate the program. They are award-winning mathematics teachers who have taught calculus at the high school and university levels and are acknowledged experts in working with gifted and talented students of mathematics. The instructional approaches used in this program help students make mathematical connections and provide students with mathematical knowledge and skills as well as a variety of learning strategies to prepare them for success in their future mathematical studies.

Guest speakers will include faculty from the Rice University Departments of Mathematics and Computational Applied Mathematics and Operations Research and mathematicians from industry.

Each student will receive all program materials and access to a program Google drive with additional resources.

Cost per student is \$975 (tuition) + \$5.95 (registration fee).

Prerequisite to enroll in this program is completion of **Pre-calculus**. Enrollment is limited.

To register: <https://campscui.active.com/orgs/RUSMP?season=3412342>

For further information contact:
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