Department of Mathematics launches new Bachelor of Science in Applied and Computational Mathematics

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Tatiana Overly
UCI School of Physical Sciences



The Bachelor of Science degree in Applied and Computational Mathematics will offer students a curriculum steeped in theoretical knowledge and rich in practical applications.

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The UC Irvine School of Physical Sciences Department of Mathematics is launching a new Bachelor of Science degree in Applied and Computational Mathematics beginning in fall 2024. The new program is a significant addition to the academic offerings of the School of Physical Sciences, and it exemplifies the Department of Mathematics' commitment to adapting to evolving educational and professional landscapes.

Since UCI's founding, the Department of Mathematics has distinguished itself with its comprehensive curriculum and diverse specializations, encompassing seven distinct tracks, four of which tailor themselves to applied mathematics. These concentrations include Applied and Computational Mathematics, Data Science, Mathematical Finance and Mathematical Biology. The creation of the Bachelor of Science in Applied and Computational Mathematics coalesces these applied tracks into a single, structured program. The new degree program not only streamlines the path for students dedicated to applying mathematical principles to solve complex, real-world problems, but also continues to support pure mathematical studies through the existing Bachelor of Science in Mathematics degree program.

The Bachelor of Science degree in Applied and Computational Mathematics offers students a curriculum steeped in theoretical knowledge and rich in practical applications. Moreover, the program emphasizes computational proficiency, including in-demand coding skills in Matlab and Python.

For prospective students and current members of the UCI community interested in the new program, including detailed curriculum and enrollment information, please contact the Physical Sciences Student Affairs office (pssazot@uci.edu) or Professor Bob Pelayo (rcpelayo@uci.edu).

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