Departments, Programs, and Degrees

Computer science is the study of the principles and use of computers and computer systems. As a scientific discipline, computer science has a wide variety of applications, from the design of algorithms and programming languages to computer networks and computer graphics.

Bioengineering: B.S.
Undergraduate Minor in Computer Technology
Undergraduate Minor in Computer Engineering
Information Systems Management: B.S.

In March 2008, a team of four students from UC Santa Cruz won the first place in the competition for the best design of a solar-powered robot that can climb up a vertical ribbon while carrying a payload, an application that would form part of a “space elevator.”

Ronald Jay, Bill Hogan, Kevin Hichborn, and Laurel Demarco, from left to right, are working with colleagues at UCSC and other institutions in a variety of fields. These collaborations have led to new progress in areas such as communications and transportation, the Internet, and information technology, and nanotechnology—three interrelated disciplines.

In particular, the Baskin School focuses on biotechnology, and gene expression chips. The department uses an interdisciplinary approach to applications in health and education, agriculture, and environmental management.

Recent Achievements of the Baskin School

2000: UCSC engineers Enis Banazadeh of the Center for Applied Mathematics and Statistics, and Andrew S. Skolnick of the Biophysics Laboratory, discovered that they could link two proteins to create a new enzyme that was more efficient than the natural enzyme.

2000: The Baskin School announces a new program in nanotechnology.

2001: UCSC wins the first place in the competition for the best design of a space elevator.

2002: UCSC joins the Center for Genomic Science, a joint venture of UCSC and UC Berkeley.

2003: UCSC announces a new program in computational biology.

2004: UCSC becomes a member of the National Science Foundation’s Network for Computational Nanotechnology.

2005: UCSC is named a member of the National Science Foundation’s Nanoscale Science Research Center.

2006: UCSC becomes a member of the National Science Foundation’s Center for Wireless Communications.

2007: UCSC becomes a member of the National Science Foundation’s Center for Advanced VLSI Design.

2008: UCSC joins the Center for Nanoscale Materials.

2009: UCSC joins the Center for Nanoscale Science and Engineering.

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2014: UCSC joins the Center for Nanoscale Science and Engineering.

2015: UCSC joins the Center for Nanoscale Science and Engineering.

2016: The Baskin School announces a new program in cybersecurity.

2017: UCSC becomes a member of the National Science Foundation’s Center for Quantum Information Science.

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