Computer Science Leaders Program for 2YC Transfers

Overview
As a Computer Science Leader at Connecticut College, you will be part of a program designed for students like you: community college and two-year college (2YC) graduates interested in earning a bachelor's degree in Computer Science (CS). As part of a cohort of transfer students focusing on CS, you will have the support of a close-knit group of classmates that will help you settle in and become an integral part of life at a small residential liberal arts college. Additionally, you will have the opportunity to engage in exciting and innovative CS research with faculty at Connecticut College, both during the school year, and during a funded summer internship.

Opportunities in Computer Science
Computer science plays a critical role in nearly all industries and fields of study, and this major will provide the foundation for numerous possible careers including academic research as well as opportunities like software engineering, web design, mobile app development, management or business consulting, and big data analytics. Students graduating from our CS program commonly enter industries such as internet services, telecommunications, healthcare, productivity software, banking/finance, and tech startups and consulting firms of all kinds, or continue graduate studies at research universities.

Coursework is dynamic and student-centered, with small classes and labs. Learning is often project-based, with an emphasis on developing independent creativity as well as critical thinking skills. The Computer Science Department is very involved in interdisciplinary projects, working with other departments such as Anthropology, Art (and the Ammerman Center for Art and Technology), Biology, Botany, Ecology, Economics, Geophysics, and Music. The department emphasizes undergraduate research - you will have the opportunity to engage in novel CS research with faculty at Connecticut College, both during the school year, and during the summer.

Mentorship and Support
The Science Leaders program will build on your interest in CS by providing thoughtful mentoring and support from our faculty and other science students, including career preparation and counseling and assistance applying to graduate school. In addition to the support within the Science Leaders program, you will have access to Connecticut College's award-winning career development program and top-notch academic resource center.

Admission Criteria
To be accepted into the Computer Science Leaders program, you must have demonstrated a strong interest in computer science. Before enrolling, you must complete the courses listed below at your two-year college with a grade of at least B+ in each of these subjects.

Financial aid
Our goal is to support outstanding students who could not otherwise afford to attend Connecticut College. At Connecticut College, your demonstrated financial need determines the aid we give you. Depending on your need, your family could pay less here than you might at a school with much lower tuition and fees. Our highest-need students receive the majority of their aid in the form of grants that do not have to be repaid. In addition to your financial aid package, you will receive $3,000 to fund a research opportunity or internship the summer before your senior year. This funding gives you the opportunity to conduct research and still meet your personal financial obligations over the summer.
Faculty

Christine Chung, Jean C. Tempel ’65
Assistant Professor of Computer Science
B.A., M.Eng., Cornell University;
M.A., Teachers College, Columbia University;
Ph.D., University of Pittsburgh
Algorithm design and analysis; algorithmic game theory

Gary Parker, Professor of Computer Science; Chair of the Computer Science Department
B.A., University of Washington; M.S.,
Naval Postgraduate School; Ph.D.,
Indiana University
Artificial intelligence; cognitive science;
autonomous agent learning; colony robotics; evolutionary robotics;
genetic algorithms; multi-legged robots; interactive video games

Ozgur Izmirli, Associate Professor of Computer Science
B.S., M.S., Ph.D., Middle East Technical University
Content analysis of music audio; music information retrieval; music perception and cognition modeling; multi-modal computer-user interfaces; real-time interactive music technology

Stephen Winters-Hilt, Visiting Associate Professor
B.S., M.S., California Institute of Technology; Ph.D., University of Wisconsin; Ph.D., University of California at Santa Cruz
Bioinformatics; machine learning; genome analysis; signal processing; pattern recognition; nanopore detector cheminformatics

S. James Lee, Assistant Professor of Computer Science
B.S., M.S., Yonsei University, Korea;
M.F.A., Ph.D., Computer Science and Electronic Visualization Laboratory, University of Illinois at Chicago
Avatars; computer graphics and visualization for interactive applications

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B.A., University of Washington; M.S.,
Naval Postgraduate School; Ph.D.,
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Artificial intelligence; cognitive science;
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Courses You Will Take at Your Two-Year College
Discrete Math; Intro to Computer Science; Data Structures; Computer Organization/Architecture; Computer Science electives

Courses You Will Take at Connecticut College
Algorithms; Networks; Operating Systems; Research Seminar; Colloquium; Computer Science electives

About Connecticut College
Connecticut College is a private, highly selective liberal arts college with 1,900 students and more than 40 majors in the arts, sciences, social sciences and humanities, and the option for students to self-design majors. The College offers a high level of intellectual challenge, and a campus culture that supports students to tailor their educational experience to their own interests and goals. A four-year career development program teaches students how to translate a liberal arts degree into a first job or graduate school admission. Connecticut College is situated in the small New England seaport of New London.