Location - East Tennessee!

Nestled at the foot of the Great Smoky and Cumberland mountains, Knoxville and Oak Ridge retaub a distinctly slower southern feel, upon which is superimposed fast-moving, modern innovation. With a moderate climate, a low cost of living, and a convenient central location, East Tennessee has much to offer new residents. Home to the University of Tennessee nationally ranked Division I Volunteers, Neyland Stadium, the nation's fourth largest stadium, and Thomson Boling Arena, the nation's largest single-sports arena, sports are a big deal here. But a vibrant local culture is still in place, too – every weekend the Market Square Farmer's Market features local fare from area farmers, and nationally-acclaimed music and food festivals are hosted in Knoxville throughout the year, including the Big Ears Jazz Festival, the Dogwood Arts Fest and the International Biscuit Festival.

As the gateway to the Great Smoky Mountains National Park, the U.S.'s consistently most visited National park, you can find many kinds of outdoor activities in East Tennessee -- hiking, biking, fishing, rock climbing or white water rafting, chances are you can find a nature trail or lake/river only a short drive from Knoxville or Oak Ridge. The nearby cities of Nashville (3 hours), Atlanta (3.5 hours), and Asheville (2 hours) also open excellent options for those hankering for a weekend getaway.

In 2015, Knoxville was named by Forbes.com as a "Best Place for Business and Careers" and one of the "Most Affordable Cities." Knoxville also was named in the top 100 for global growth in the world's largest metro companies in 2015 by the Brookings Institution.
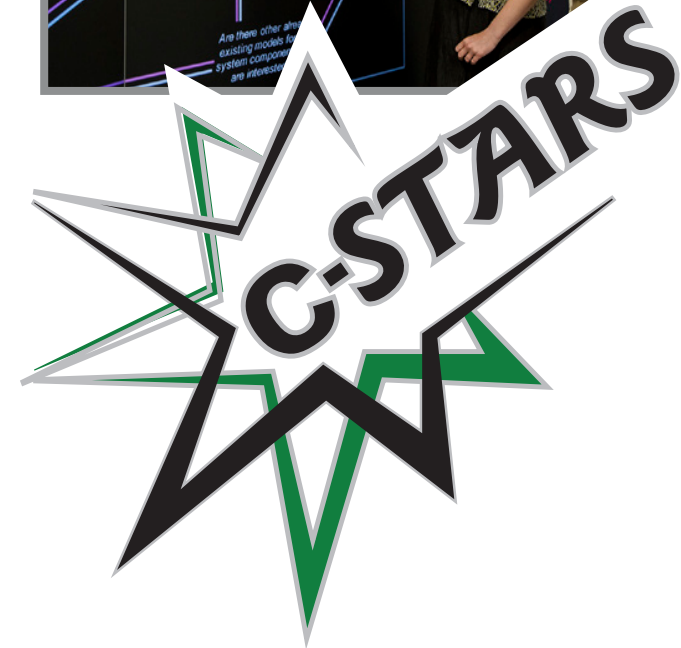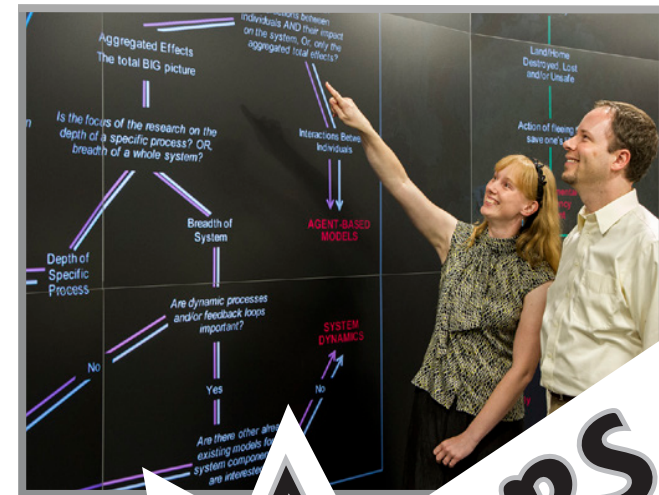
Contact

For questions or more info about the C-STARS Program, please contact:

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For general questions about the Science Education Programs at ORNL, please email us at ORNLedu@orau.org.

For assistance with Zintellect, please email Zintellect@orau.org.

www.orau.org/C-STARS

U.S. DEPARTMENT OF ENERGY | Office of Science

C-STARS

Computational Science and Technology Advanced Research Studies Program

ORNL's premier computing and computational sciences research program for graduate students

OAK RIDGE National Laboratory

OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
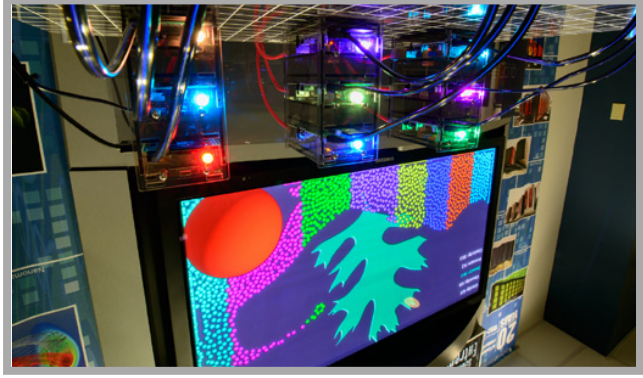Managed by ORAU for DOE

Join the Computing and Computational Sciences Directorate of ORNL and conduct groundbreaking computational research while still enrolled in your Master's or Ph.D. graduate program!

C-STARS is a highly selective program offering challenging graduate research opportunities in the computational sciences. C-STARS participants conduct research on nationally visible advanced computing projects in areas of National Security, Climate Science, Urban Dynamics, Health Data Analytics, Astrophysics, Energy, Chemistry or Computational Biology.

Oak Ridge National Laboratory is an international leader in computing and computational sciences. Currently, ORNL deploys and operates three leadership-class supercomputers, including the DOE Office of Science's Titan, the National Science Foundation's Kraken, and the National Oceanic and Atmospheric Administration's Gaea. Arriving in 2017 will be Summit, a next-generation supercomputer with a new type of hybrid CPU/GPU units computing system that will provide five times the computing performance of Titan.

Industrial, academic, and government researchers across the world access ORNL supercomputers and their support systems to generate and analyze data, leading to new opportunities for data visualization and data storage which are outside the scope of most research environments.

How to Apply

Submit your application to C-STARS through ORAU's online application system, Zintellect (www.zintellect.com). You will need to provide an official verification of your master's or doctoral degree enrollment and university transcripts, two reference letters, and a current resume. C-STARS applications are accepted on a year-round basis.

Please see our website for more information on how to apply: www.orau.org/c-stars.

Eligibility

To apply for the C-STARS program, applicants must:

- Be at least 18 years old
- Be enrolled in a Master's or Ph.D. program at an accredited institution
- Have medical insurance during the appointment (verification required)
- Have a minimum GPA of 3.5/4.0
- Have significant prior computational experience

There are no U.S. citizenship requirements to participate in the program, but non-U.S. citizens must be currently enrolled in a degree-granting U.S. college or university.

Benefits

C-STARS Program participants conduct innovative computational research on high-profile projects while still enrolled in a Master's or Ph.D. program at their home institution. With a flexible program structure, C-STARS participants can conduct research full-time or part-time, for up to 5 years, depending on the structure of the graduate program and the ORNL research project's needs. In addition to conducting research at one of the world's best computing and computational sciences facilities at ORNL, participants will also receive substantial program benefits:

- Master's program participants – $863/week stipend (pro-rated for hours per month)
- Ph.D. program participants – $935/week stipend (pro-rated for hours per month)
- Tuition and fees, a dislocation allowance (for those traveling farther than 50 miles to the ORNL area), a travel allowance for attending scientific meetings or conferences, and/or a housing allowance can be provided at the mentor's discretion
- Participants are also encouraged to attend enrichment activities, including professional development workshops, Laboratory tours, lectures, seminars and poster presentations, with mentor approval