Computer Science

The flagship degree is the Ph.D. in Computer Science, which prepares students for leadership positions in academia, industry research labs, and government. Alternatively, the master's degree program offers the Master of Science (thesis) and the Master of Computer Science (non-thesis, available via either distance learning or on-campus enrollment). There is also a Master of Computer Networking degree provided jointly through the Computer Science and the Electrical and Computer Engineering departments (see Computer Networking). Our graduate students also benefit from access to specialized career services. This includes the Corporate & Career Services suite, with opportunities for on-campus interviews, small group career workshops, virtual practice interviews, and individual career advising.

Student Financial Support

Financial aid is offered to all admitted PhD students. Masters students are not eligible for graduate assistantships until they have completed their first or second semester with a 3.0 or higher average. However, students in our masters program have the opportunity to secure rewarding summer and winter internships.

More Information

Computer Science Program Website (http://www.csc.ncsu.edu/academics/graduate/)

Admissions Requirements

Minimum application requirements include an accredited Bachelor's degree with at least a B average and, for non-Computer Science majors, strong academic performance in computer science and mathematics.

Applicants must also submit the GRE General Test scores and international applicants must provide TOEFL or IELTS scores, as proof of English proficiency. We also ask for a Statement of Purpose to be included with the application as well as three professional or academic recommendations.

Those interested in developing their computer science knowledge and skills, but not ready to commit to a degree program, might consider one of our graduate certificates. Refer to the Graduate Certificate Programs listed in the selection under Computer Science.

Applicant Information

Computer Science (MS and PhD)

- **Delivery Method**: On-Campus
- **Entrance Exam**: GRE (where required, see program website.)
- **Interview Required**: None

Computer Science (MR)

- **Delivery Method**: On-Campus, Online, Hybrid
- **Entrance Exam**: GRE (where required, see program website.)
- **Interview Required**: None

Application Deadlines

U.S. citizen and Permanent U.S. residents

- PhD, Fall admission: December 15
- Masters, Fall admission: May 1
- Masters, Spring admission: October 15

Foreign nationals

- PhD and Masters, Fall admission only: December 15

Degrees

- Computer Science (MR) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-mr/)
- Computer Science (MS) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-ms/)
- Computer Science (PhD) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-phd/)
- Computer Science (Certificate) (http://catalog.ncsu.edu/graduate/engineering/computer-science/computer-science-certificate/)
- Data Science Foundations (Certificate) (http://catalog.ncsu.edu/graduate/engineering/computer-science/data-science-foundations-certificate/)

Faculty

Department Head

Gregory E. Rothermel, Professor

Distinguished University Research Professor

Donald L. Bitzer

Distinguished Professors

Tiffany M. Barnes
Miaden A. Vouk, Vice Chancellor for Research Development
Laurie A. Williams, Co-Director - NCSU Science of Security Lablet

Distinguished University Professor

James C. Lester II, Director of the Center for Educational Informatics
Michael A. Rappa, Director, Institute for Advanced Analytics

Alumni Distinguished Graduate Professor

Georgios N. Rouskas, Director of Graduate Programs
Munindar P. Singh, Co-Director - NCSU Science of Security Lablet

Full Professor

Min Chi
Rada Y. Chirkova
Huaiyu Dai
Rudra Dutta, Associate Department Head

William H. Enck, Director of Wolfpack Security & Privacy Research (WSPR) Laboratory

Edward F. Gehringer
Xiaohui (Helen) Gu

Christopher G. Healey, Goodnight Distinguished Professor Analytics, Institute for Advanced Analytics

Steffen Heber
Timothy J. Menzies
R. Frank Mueller
Xipeng Shen
Mathias F. M. Stallmann
R. Raju Vatsavai

Assistant Professors
Samira Mirbagher Ajorpaz
Veronica M. Cateté
Anupam Das
Peng Gao
Shiyan Jiang
Jung -Eun Kim
Chin Ho Lee
Jiajia Li
Huining Li
Jianqing Liu
Xiaorui Liu
Yuchen Liu
John-Paul Ore
Thomason W. Price
Dongkuan (DK) Xu
Dominik Wermke
Bowen Xu
Chenhan Xu
Man Ki Yoon
Ruozhou Yu

Associate Professors
Wesley K. G. Assunção
Justin Mathew Bradley
Marcelo d'Amorim
Zhishan Guo
Khaled Harfoush
Amav H. Jhala
Alexandros Kapravelos
Sandeep K. Kuttal
Xu Liu
Collin F. Lynch
Noboru Matsuda
Kemafor Anyanwu Ogan
Sharath Kumar Raghvendra
Bradley G. Reaves

David L. Roberts, Assistant Director of Undergraduate Programs
Alessandra Scafuro
Muhammad Shahzad
Donald R. Sheehy
Kathryn T. Stolee
Sharma Vallin Thankachan
Benjamin A. Watson
Wujie Wen

Teaching Professor
Sarah S. Heckman, Director of Undergraduate Programs

Teaching Associate Professors
Kimberly J. Titus
Tzvetelina (Lina) Battestilli
Jamie A Jennings
Jason T. King
Chandrika Satyavolu
Jessica Y. Schmidt
David B. Sturgill

Teaching Assistant Professors
Suzanne M. Balik
Abida Haque
Caio Batista de Melo
Alexander Card
Ignacio X. Dominguez
Adam Gaweda
Shuyin Jiao
Sterling M. McLeod
Isabella White

Lecturers
B. Jasmine Adams, Director of Undergraduate Advising
Margaret Heil, Director of Senior Design Center
ToniAnn Marini, Assistant Director of Undergraduate Advising

Research Professor
Franc Brglez

Assistant Research Professor
Bita Akram

Director
Leslie Rand-Pickett, Graduate Career Services

Emeritus Faculty
Dennis R. Bahler
Wu-show Chou
Jon Doyle
Edward W. Davis, Jr.
Robert J. Fornaro
Thomas L. Honeycutt

David F. McAllister
Harry Perros
Douglas S. Reeves
Woodrow Robbins
Carla D. Savage
William J. Stewart
Alan L. Tharp
David J. Thuente

Adjunct Faculty
Ram Chillarege
Aldo Dagnino
Steven Hunter
Chris Martens
Wookhee Min
Peng Ning
Christopher Parnin
Injong Rhee
Robert St. Amant
Xiaogang (Cliff) Wang
Tao Xie