

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 (GRE- where required, see program website.)
- **Interview Required:** None

Computer Science (MR)

- **Delivery Method:** On-Campus, Online, Hybrid
- **Entrance Exam:** GRE (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

Mladen 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

Matthias F. M. Stallmann

R. Raju Vatsavai

Associate Professors

Wesley K. G. Assunção

Justin Mathew Bradley

Marcelo d'Amorim

Zhishan Guo

Khaled Harfoush

Arnav 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

Assistant Professors

Samira Mirbagher Ajorpaz

Veronica M. Cateté

Anupam Das

Peng Gao

Shiyan Jiang

Jung -Eun Kim

Chin Ho Lee

Jiajia 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

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

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

Bitra 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