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.

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.

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.

For additional information about our degree programs, visit our Future Students page.

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

Full Professors

Tiffany M. Barnes
Donald L. Bitzer
Rada Yuryevna Chirkova
Jon Doyle
Rudra Dutta
Edward F. Gehringer
Xiaohui Gu
Christopher Graham Healey
James C. Lester II
Timothy James Menzies
Rainer Frank Mueller
Harilaos George Perros
Michael A. Rappa
Douglas S. Reeves
Gregg Evan Rothermel
Georgios N. Rouskas
Nagiza Faridovna Samatova
Carla Diane Savage
Xipeng Shen
Munindar P. Singh
Matthias F. M. Stallmann
Mladen Alan Vouk
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Associate Professors

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William H. Enck
Vincent W. Freeh
Khaled Abdel Hamid Harfoush
Steffen Heber
Arnav Harish Jhala
Noboru Matsuda
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David L. Roberts
Donald R. Sheehy
Ranga Raju Vatsavai
Benjamin Allen Watson

**Assistant Professors**

Anupam Das
Guoliang Jin
Alexandros Kapravelos
Xu Liu
Collin Francis Lynch
Christopher Robin Martens
John-Paul William Ore
Christopher Joseph Parnin
Thomason William Price
Bradley Galloway Reaves
Alessandra Scafuro
Muhammad Shahzad
Kathryn Thomasset Stolee
Ruozhou Yu

**Practice/Research/Teaching Professors**

Bita Akram
Suzanne M. Balik
Tzvetelina Battestilli
Ignacio Xavier Dominguez
Patrick A. Dreher
Sarah Smith Heckman
Jamie Allison Jennings
Shuyin Jiao
Jason Tyler King
Jessica Young Schmidt
David Brian Sturgill

**Emeritus Faculty**

Wu-show Chou
Edward Willmore Davis Jr.

Robert Joseph Fornaro
Thomas Lynn Honeycutt
David Franklin McAllister
Woodrow Robbins
William James Stewart
Alan Lee Tharp
David J. Thuente

**Adjunct professor**

Robert Loftin