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.

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-foundation-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
Miaden Alan Vouk
Laurie A. Williams

Associate Professors
Dennis R. Bahler
Min Chi
William H. Enck
Vincent W. Freeh
Khaled Abdel Hamid Harfoush
Steffen Heber
Arnav Harish Jhala
Edgar Lobaton
Noboru Matsuda
K. Anyanwu Ogan
David L. Roberts
Donald R. Sheehy
Ranga Raju Vatsavai
Benjamin Allen Watson

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**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

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**Practice/Research/Teaching Professors**

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

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**Lecturer**

- Ketchiozo Thierry Wandji

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**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

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**Adjunct professors**

- Robert Loftin
- Bradford Wayne Mott