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-foundations-certificate/)

Faculty

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Gregory E. Rothermel, Professor

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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
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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

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Huaiyu Dai
Rudra Dutta, Associate Department Head
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Edward F. Gehringer
Xiaohui (Helen) Gu
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Adam Gaweda
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Margaret Heil, Director of Senior Design Center
ToniAnn Marini, Assistant Director of Undergraduate Advising

Research Professor
Franc Brglez

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Veronica M. Cateté
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Shiyan Jiang
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Jiajia Li
Jianqing Liu
Xiaorui Liu
Yuchen Liu
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Dongkuan (DK) Xu

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

Adjunct Faculty
Ram Chilarege
Aldo Dagnino
Steven Hunter
Chris Martens
Wookhee Min
Peng Ning
Christopher Parnin
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Xiaogang (Cliff) Wang
Tao Xie