The Department of Computer Science and Engineering offers graduate studies leading to the degrees of Master of Computer Science, Master of Science in computer science and Doctor of Philosophy. In computer engineering, the Departments of Computer Science and Engineering and Electrical and Computer Engineering offer a joint program leading to the degrees of Master of Engineering, Master of Science and Doctor of Philosophy.

Advanced study in computer science is designed to provide the skills to design and utilize modern computer systems. The field of computer science is rapidly changing and expanding, generating a need for computer scientists in the burgeoning industry. The Department of Computer Science and Engineering is meeting these needs with advanced study in computer science.

Areas of study in computer science and engineering:

- Algorithms and Theory
- Artificial Intelligence, Intelligent Systems, Machine Learning, Natural Language Processing
- Bioinformatics, Computational Biology
- Computational Science
- Computer Architecture
- Computer Science Education
- Computer Vision
- Cyber-Physical Systems
- Cybersecurity
- Data Science
- Databases, Data Mining, Information Retrieval Systems
- Digital Humanities
- Electronic Design Automation and VLSI
- Embedded Systems
- Gaming
- Graphics, Visualization and Computational Fabrication
- Health
- Human-Centered Systems
- Human-Computer Interaction
- Networks
- Parallel and Distributed Computing
- Programming Languages, Compilers
- Robotics, Human-Robot Interaction
- Software and Software Engineering
- Systems

There is no foreign language requirement for the PhD program in computer science.

**Faculty**

Ahmed, Sarker T, Instructional Assistant Professor
Computer Science & Engineering
PHD, Texas A&M University, 2016

Akleman, Ergun, Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 1992

Bettati, Riccardo, Professor
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PHD, University of Illinois, 1994

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PHD, Princeton University, 1993

Caverlee, James B, Professor
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Chaspari, Theodora, Assistant Professor
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PHD, Columbia University, 1987

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PHD, The University of Texas at Austin, 2001
Da Silva, Dilma M, Professor
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PHD, University of Illinois at Urbana-Champaign, 1989

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PHD, Queen Mary College, Univ. of London, 1987

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PHD, University of Washington, 1986

Garay, Juan A, Professor
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PHD, The Pennsylvania State University, 1989

Goldberg, Daniel W, Associate Professor
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PHD, Georgia Institute of Technology, 2008

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PHD, New York University, 2001

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PHD, Pennsylvania State University, 2003

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PHD, University of Colorado - Boulder, 2019

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PHD, Universitat Karlsruhe, 1998

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Mortazavi, Jack B, Assistant Professor
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Narayanan, Krishna R, Professor
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Rojas, Joseph, Professor
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Sarin, Vivek, Associate Professor
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Schaefer, Scott D, Professor
Computer Science & Engineering
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Sharon, Guni, Assistant Professor
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Shipman III, Frank M, Professor
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PHD, University of Colorado, 1993

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Stoleru, Radu, Professor
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PHD, Carnegie Mellon University, 1986

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PHD, Texas A&M University, 1973

Welch, Jennifer L, Professor
Computer Science & Engineering
PHD, Massachusetts Institute of Technology, 1988

Yum, Ki H, Senior Lecturer
Computer Science & Engineering
PHD, The Pennsylvania State University, 2002

Zhang, Yupeng, Assistant Professor
Computer Science & Engineering
PHD, University of Maryland - College Park, 2018
Masters

- Master of Computer Science in Computer Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/mcs/)
- Master of Engineering in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/engineering-meng/)
- Master of Science in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/engineering-ms/)
- Master of Science in Computer Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/ms/)

Doctoral

- Doctor of Philosophy in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/engineering-phd/)
- Doctor of Philosophy in Computer Science (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/computer-science/phd/)