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 include five core areas and six multi-disciplinary areas. The five core areas include systems, software, theoretical foundations, human-centered systems and intelligent systems. The six multi-disciplinary areas include bioinformatics, brain networks, computational science and engineering, digital humanities, security, and emergency informatics.

Special laboratory facilities are available to graduate students in artificial intelligence, software engineering, graphics, robotics, distributed systems, real time computing, software, multimedia, computer architecture, and hypertext. The department houses a network of microcomputer systems and workstations for individual student use.

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

Amato, Nancy M, Professor
Computer Science & Engineering
PHD, University of Illinois, 1995

Bettati, Riccardo, Professor
Computer Science & Engineering
PHD, University of Illinois, 1994

Caverlee, James B, Associate Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 2007

Chai, Jinxiang, Associate Professor
Computer Science & Engineering
PHD, Carnegie Mellon University, 2006

Chaspari, Theodora, Assistant Professor
Computer Science & Engineering
PHD, University of Southern California, 2017

Chen, Jianer, Professor
Computer Science & Engineering
PHD, Columbia University, 1990

Choe, Yoonsuck, Professor
Computer Science & Engineering
PHD, University of Texas, 2001

Da Silva, Dilma M, Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 1997

Daugherity, Walter C, Senior Lecturer
Computer Science & Engineering
PHD, Harvard University, 1977

Davis, Timothy A, Professor
Computer Science & Engineering
PHD, University of Illinois - Urbana Champaign, 1989

Dewitte, Paula S, Associate Professor of the Practice
Computer Science & Engineering
PHD, Texas A&M University, 1989

Dongarra, Jack J, Visiting Professor
Computer Science & Engineering
PHD, University of New Mexico, 1980

Duffield, Nicholas G, Professor
Computer Science & Engineering
PHD, Queen Mary College, Univ. of London, 1987

Furuta, Richard K, Professor
Computer Science & Engineering
PHD, University of Washington, 1986

Garay, Juan A, Professor
Computer Science & Engineering
PHD, The Pennsylvania State University, 1989

Goldberg, Daniel W, Assistant Professor
Computer Science & Engineering
PHD, University of Southern California, 2010

Gooch, Bruce S, Associate Professor
Computer Science & Engineering
PHD, University of Utah, 2003

Gratz, Paul V, Associate Professor
Computer Science & Engineering
PHD, University of Texas, 2008

Gu, Guofei, Associate Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 2008
Guerra Nakamura, Fabiola, Senior Lecturer
Computer Science & Engineering
PHD, Federal University of Minas Gerais, 2010

Gutierrez-Osuna, Ricardo, Professor
Computer Science & Engineering
PHD, North Carolina State University, 1998

Hammond, Tracy A, Professor
Computer Science & Engineering
PHD, Massachusetts Inst of Technology, 2007

Houngninou, David Kebo, Instructional Assistant Professor
Computer Science & Engineering
PHD, Southern Methodist University, 2017

Hu, Jiang, Professor
Computer Science & Engineering
PHD, University of Minnesota, 2001

Hu, Xia, Assistant Professor
Computer Science & Engineering
PHD, Arizona State University, 2015

Huang, Ruihong, Assistant Professor
Computer Science & Engineering
PHD, University of Utah, 2014

Huang, Shaoming, Assistant Professor
Computer Science & Engineering
PHD, Hong Kong University of Science and Technology, 2012

Ioerger, Thomas R, Associate Professor
Computer Science & Engineering
PHD, University of Illinois, 1996

Jiang, Anxiao, Associate Professor
Computer Science & Engineering
PHD, California Institute of Technology, 2004

Jimenez, Daniel A, Professor
Computer Science & Engineering
PHD, University of Texas at Austin, 2002

Kerne, Andrew, Professor
Computer Science & Engineering
PHD, New York University, 2001

Keyser, John C, Professor
Computer Science & Engineering
PHD, University of North Carolina at Chapel Hill, 2000

Kim, Eun J, Associate Professor
Computer Science & Engineering
PHD, Pennsylvania State University, 2003

Klappenecker, Andreas, Professor
Computer Science & Engineering
PHD, Universitat Karlsruhe, 1998

Kum, Hye Chung, Associate Professor
Computer Science & Engineering
PHD, University of North Carolina - Chapel Hill, 2004

Lee, Hyunyoung, Senior Lecturer
Computer Science & Engineering
PHD, Texas A&M University, 2001

Leyk, Teresa S, Senior Lecturer
Computer Science & Engineering
PHD, Australian National University, 1998

Liu, Jyh C, Professor
Computer Science & Engineering
PHD, University of Michigan - Ann Arbor, 1989

Loguinov, Dmitri, Professor
Computer Science & Engineering
PHD, City University of New York, 2002

Mahapatra, Rabinarayan, Professor
Computer Science & Engineering
PHD, Indian Institute of Technology, Kharagpur, 1992

Moore, John Michael, Instructional Assistant Professor
Computer Science & Engineering
PHD, Texas A&M University, 2007

Mortazavi, Jack B, Assistant Professor
Computer Science & Engineering
PHD, University of California - Los Angeles, 2014

Murphy, Robin R, Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 1992

Nakamura, Eduardo F, Visiting Associate Professor
Computer Science & Engineering
PHD, Federal University of Minas Gerais, 2007

Narayanan, Krishna R, Professor
Computer Science & Engineering
PHD, Georgia Institute of Technology, 1998

Quek, Francis K, Professor
Computer Science & Engineering
PHD, University of Michigan, 1990

Ragsdale, Daniel J, Professor of the Practice
Computer Science & Engineering
PHD, Texas A&M University, 2001

Rauchwerger, Lawrence, Professor
Computer Science & Engineering
PHD, University of Illinois, 1995

Ritchey, Philip C, Instructional Assistant Professor
Computer Science & Engineering
PHD, Purdue University, 2015

Rojas, Joseph M, Professor
Computer Science & Engineering
PHD, University of California, Berkeley, 1995

Sarin, Vivek, Associate Professor
Computer Science & Engineering
PHD, University of Illinois, 1997
Schaefer, Scott D, Professor
Computer Science & Engineering
PHD, Rice University, 2006

Sharon, Guni, Assistant Professor
Computer Science & Engineering
PHD, Ben-Gurion University, 2015

Shell, Dylan A, Associate Professor
Computer Science & Engineering
PHD, University of Southern California, 2008

Shipman III, Frank M, Professor
Computer Science & Engineering
PHD, University of Colorado, 1993

Song, Dezhen, Professor
Computer Science & Engineering
PHD, University of California, Berkeley, 2004

Song, Fang, Assistant Professor
Computer Science & Engineering
PHD, Penn State, 2013

Stoleru, Radu, Associate Professor
Computer Science & Engineering
PHD, University of Virginia, 2007

Sueda, Shinjiro, Assistant Professor
Computer Science & Engineering
PHD, University of British Columbia, 2010

Sze, Sing H, Associate Professor
Computer Science & Engineering
PHD, University of Southern California, 2000

Thomas, Shawna L, TEES Assistant Research Scientist
Computer Science & Engineering
PHD, Texas A&M University, 2010

Tyagi, Aakash, Professor of the Practice
Computer Science & Engineering
PHD, University of Louisiana, 1993

Walker, Duncan M, Professor
Computer Science & Engineering
PHD, Carnegie Mellon University, 1986

Wang, Zhangyang, Assistant Professor
Computer Science & Engineering
PHD, University of Illinois at Urbana-Champaign, 2016

Ward, Ronald G, Senior Lecturer
Computer Science & Engineering
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

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)