Computer Science

Introduction
The Computer Science Department contributes to UTEP’s history of excellence by providing a BS in Computer Science program of the highest quality through a participatory approach to education, research, and service to the community. The undergraduate program has been accredited by the Computer Science Accreditation Commission since October 1, 1988. UTEP is designated by the NSA and DHS as a National Center of Academic Excellence (NCAE) in Information Assurance Education and a NCAE in Cyber Operations.

Vision
The vision of the Department of Computer Science is to provide computer science programs of the highest quality through a participatory approach to education, research, and service to the community.

Mission
The mission of the Department of Computer Science is to serve our binational region, the nation, and the world by providing access to excellence through:

• Innovative educational programs that provide inclusive and effective learning environments and prepare graduates to be ethical professionals, leaders, and innovators in computer science (Student Success),
• Pioneering research programs that foster the creation of computing knowledge and invention of new technologies (Research and Innovation),
• Design, development, and potential commercialization of technologies to solve socially-relevant science and engineering problems (Commercialization), and
• Active local and global partnerships and collaborations with educational, government, non-profit, and commercial organizations that align with our commitment to diversity (Collaboration).

Programs
Bachelor of Science in Computer Science

• BS in Computer Science (http://catalog.utep.edu/undergrad/college-of-engineering/computer-science/computer-science-bs/)

Minor

• Minor in Computer Science (http://catalog.utep.edu/undergrad/college-of-engineering/computer-science/computer-science-minor/)

CHAIR: Dr. Ann Gates (http://facultyprofile.utep.edu/default.aspx?ID=agates/)

Professor
Ann Gates (http://facultyprofile.utep.edu/default.aspx?ID=agates/)
Contact Information: agates@utep.edu (mtcortez@utep.edu); 915-747-7689
Education: BS, UTEP; MS, UTEP; Ph D, New Mexico State University

Vladik Kreinovich (http://facultyprofile.utep.edu/default.aspx?ID=vladik/)
Contact Information: vladik@utep.edu (mtcortez@utep.edu); 915-747-6951
Education: MS, Leningrad University; BS, Leningrad University; Ph D, Institute of Mathematics, Siberian Branch, Soviet Academy of Sciences

David Novick (http://facultyprofile.utep.edu/default.aspx?ID=novick/)
Contact Information: novick@utep.edu (mtcortez@utep.edu); 915-747-6031
Education: BA, University of Oregon; JD, Harvard University; MS, University of Oregon; Ph D, University of Oregon

Nigel Ward (http://facultyprofile.utep.edu/default.aspx?ID=nigel/)
Contact Information: nigel@utep.edu (mtcortez@utep.edu); 915-747-6827
Education: BS, The University of Michigan; Ph D, University of California, Berkeley
Associate Professor

Martine Ceberio (http://facultyprofile.utep.edu/default.aspx?ID=mceberio/)
Contact Information: mceberio@utep.edu (mtcortez@utep.edu); 915-747-6950
Education: MS, University of Nantes; DEA (Diplome d'Etudes Approfondies), University of Nantes; Ph D, University of Nantes
Research Interests: continuous constraint solving, global optimization, interval computations, multi-criteria decision making, and their applications

Yoonsik Cheon (http://facultyprofile.utep.edu/default.aspx?ID=ycheon/)
Contact Information: ycheon@utep.edu (mtcortez@utep.edu); 915-747-8028
Education: BS, Korea University; MS, Iowa State University; Ph D, Iowa State University

Eric Freudenthal (http://facultyprofile.utep.edu/default.aspx?ID=efreudenthal/)
Contact Information: efreudenthal@utep.edu (mtcortez@utep.edu); 915-747-6954
Education: BA, New York University; Ph D, New York University Courant Institute

Olac Fuentes (http://facultyprofile.utep.edu/default.aspx?ID=ofuentes/)
Contact Information: ofuentes@utep.edu (mtcortez@utep.edu); 915-747-6956
Education: BS, Instituto Tecnológico de Chihuahua; MS, The University of Texas at El Paso; Ph D, University of Rochester
Research Interests: Machine learning, computer vision, natural language processing, artificial intelligence

Christopher Kiekintveld (http://facultyprofile.utep.edu/default.aspx?ID=cdkiekintveld/)
Contact Information: cdkiekintveld@utep.edu (mtcortez@utep.edu); 915-747-5564
Education: Ph D, University of Michigan

Luc Longpré (http://facultyprofile.utep.edu/default.aspx?ID=longpre/)
Contact Information: longpre@utep.edu (mtcortez@utep.edu); 915-747-6804
Education: BS, Université de Montréal; MS, Université de Montréal; Ph D, Cornell University

Shirley Moore (http://facultyprofile.utep.edu/default.aspx?ID=svmoore/)
Contact Information: svmoore@utep.edu (mtcortez@utep.edu); 915-747-5883
Education: BA, Indiana University; M.Ed, University of Illinois; MS, Wichita State University; Ph D, Purdue University
Research Interests: high performance parallel computing, hardware-software co-design, interdisciplinary computational science

Assistant Professor

Monika Akbar (http://facultyprofile.utep.edu/default.aspx?ID=makbar/)
Contact Information: makbar@utep.edu (mtcortez@utep.edu); 915-747-5883
Education: MS, Montana State University-Bozeman; Ph D, Virginia Tech

Omar Badreddin (http://facultyprofile.utep.edu/default.aspx?ID=obbadreddin/)
Contact Information: obbadreddin@utep.edu (mtcortez@utep.edu);
Education: BS, University of Massachusetts; MS, American University; Ph D, University of Ottawa; PostDoc, University of Ottawa

Mahmud Hossain (http://facultyprofile.utep.edu/default.aspx?ID=mhossain/)
Contact Information: mhossain@utep.edu (mtcortez@utep.edu); 915-747-6340
Education: MS, Montana State University; Ph D, Virginia Tech

Deepak Tosh (http://facultyprofile.utep.edu/default.aspx?ID=dktosh/)
Contact Information: dktosh@utep.edu (mtcortez@utep.edu); 915-747-6410
Education: Ph D, University of Nevada Reno

Natalia Villanueva Rosales (http://facultyprofile.utep.edu/default.aspx?ID=nvillanuevarosales/)
Contact Information: nvillanuevarosales@utep.edu (mtcortez@utep.edu); 915-747-8643
Education: BS, Panamerican University Campus Bonaterra; Double Major in Statistical Methods, Center for Mathematical Research; MS, University of Edinburgh; Ph D, Carleton University
Research Interests: Interdisciplinary research, biomedical informatics, climate change, water sustainability, cyberinfrastructure, smart cities.