STRATEGICALLY LOCATED in the middle of the Telecom Corridor, which is home to hundreds of high-tech companies, the Computer Science Department is in the midst of a growth phase that includes addition of new programs in cybersecurity, information assurance, data sciences and interactive computing, hiring of a large number of new faculty, and a steep increase in external research funding.

CORE AREAS OF COMPUTER SCIENCE RESEARCH:
Research activities in the computer science department include a wide spectrum of investigations funded by federal and state governments and industry. Several institutes, housing a number of centers and dozens of laboratories, carry out research in the following areas:

- Algorithms
- Artificial intelligence
- Automata and formal languages
- Bioinformatics
- Cloud computing
- Combinatorial optimization
- Computational complexity
- Computational geometry
- Computational logic
- Computer graphics
- Computer networks
- Computer vision
- Cryptography
- Cybersecurity
- Data sciences
- Databases
- Distributed systems and algorithms
- Embedded and real-time software
- Graph models
- Information retrieval
- Intelligent systems
- Internet of things
- Machine learning
- Multi-agent systems
- Multimedia systems
- Natural language processing
- Networking and telecommunications
- Pattern recognition / image processing
- Programming languages and systems
- Simulation and modeling
- Software engineering
- Software maintenance
- Software verification and testing
- Virtual reality

Full-time Computer Science Faculty
70

Computer Science Research Expenditures (2013)
$8.4 Million

Computer Science Enrollment (2014)
Bachelor of Science: 1,300
Master of Science: 1,100
PhD: 150

Computer Science Degrees Granted (2013)
Bachelor of Science: 187
Master of Science: 325
PhD awarded: 21

PhD Tracks
- Computer Systems
- Data Science
- Information Assurance / Cyber Security
- Intelligent Systems
- Interactive Computing
- Networks & Telecommunications
- Software Engineering
- Traditional Computer Science
FINANCIAL ASSISTANCE
Graduate assistantships feature a full tuition waiver and a stipend starting at $1,850/month and increasing to $2,150/month. Other opportunities include Jonsson School Distinguished Graduate Research Fellowships, Excellence in Education Foundation Fellowships, the Computer Security and Information Assurance Scholarship for Service Program Fellowships, teaching assistantships and research assistantships. M.S. students on track to a PhD are also fully supported.

ADDITIONAL FACTS
• CS faculty includes ten NSF CAREER award holders and three US Air Force Young Investigators.
• Ranked 29th internationally in the CACM Publication rankings for Computer Science graduate programs, 24th internationally for Software Engineering graduate programs.
• Received more than $36 Million in new research grants in 2010-2014. Ranked 34th nationally in research expenditure (2013 data from ASEE).
• Ranked fourth in the nation among all CS departments in number of BS, MS and PhD computer science graduates produced (2013 data from ASEE).
• Ranked third in the nation among all CS departments in number of women MS computer science graduates produced (2013 data from ASEE).
• Ranked second in the nation among CS departments within Engineering Schools in number of women faculty (2013 data from ASEE).
• One of the largest internship programs in the country with more than 400 interns placed in the most recent academic year.
• Ranked 21st in the nation in 2014 LinkedIn ranking of best schools for software developers.
• CS alumni have started many successful companies.

CONTACT
Shyam Karrah, Director of Graduate Studies
skarrah@utdallas.edu
For more details, please visit cs.utdallas.edu

Explore our computer science faculty research summaries at: explorer.utdallas.edu