Welcome from the department head

Our motto is simple — world-class. World-class faculty, world-class research and world-class education.

Our faculty have attracted significant funding for research, teaching, curriculum development and K-12 outreach. Research propels graduate students toward in-depth knowledge and valuable experience. It helps them to become even more effective problem solvers by applying software in a variety of disciplines.

We offer expertise in cybersecurity, health care, scientific computing, smart power grid and high-assurance computing. Points of pride include designation as a National Center of Academic Excellence for Research in Cyber-Security by NSA and DHS, multidisciplinary research and teaching, and excellent placement after graduation.

Take the time to find out more about our department — you’ll be impressed!

Sincerely,
Scott DeLoach
Department head and professor

Manhattan, Kansas and K-State campus

K-State rankings

Our engineering graduate program is currently 59th in the U.S. News and World Report Public School rankings. K-State is recognized by the Princeton Review as one of America’s best colleges.

Manhattan community

Manhattan, nicknamed “The Little Apple,” is a great environment to start a new chapter of your life. The city ranks among the best classic college towns in the country.

Aggieville

Aggieville, an entertainment district close to campus, features more than 100 restaurants, bars and shops, many of which are locally owned. It has been a popular attraction for more than 125 years.

Helpful websites

Cost-of-living and tuition information:
k-state.edu/sfa/costofattendance/gtc.html

Graduate student life information:
k-state.edu/grad/students/graduestudentlife/GraduateStudentLife.html

Engineering graduate programs information:
engg.ksu.edu/ergp/grad-program

Computing and Information Sciences

Graduate Program

Kansas State University

A guide for interested students
**Research areas**

**Security**
The distributed systems security laboratory focuses on the design of secure and usable software and protocols, with an emphasis on medical, cyber-physical (CPS) and Internet of Things (IoT) systems. The lab works closely with SAnToS to create high-assurance, reliable and secure systems.

cisa.ksu.edu

**Bioinformatics**
The MLB group designs algorithms and develops tools for analyzing large amounts of data, in particular, molecular sequence and text data.
caragea-wiki.cis.ksu.edu/doku.php

**High assurance**
Faculty at the SAnToS Laboratory conduct research in high-assurance systems, software analysis and verification, and language-based security and safety in next-generation medical systems, mobile platforms and smart grids.
santoslab.org

**Knowledge discovery**
The laboratory for knowledge discovery in databases (KDD lab) develops technologies for building models of events and processes from data, and then using these models to help make decisions.
kdd.cis.ksu.edu

**Beocat**
The distributed systems lab supports a wide range of interdisciplinary research around a core interest in efficient, effective parallel and distributed systems.
cis.ksu.edu/beocat

**CIS degrees**

**Ph.D. degree**
The Doctor of Philosophy degree program is a research-oriented curriculum designed to prepare students for advanced research industry and university-level academic positions in the computing field.
santoslab.org

**M.S. degree**
The Master of Science program is a broadly based curriculum designed to prepare students for advanced positions in the computing industry as well as for further academic studies. The M.S. degree requires a minimum of 30 credit hours of graduate-level coursework.

**M.S.E. degree**
The Master of Software Engineering degree enables students to specify, design, implement, document and maintain large software systems in their specialty areas. The program of study for the MSE program consists of 33 credits and includes a capstone project where students demonstrate their mastery of software engineering processes and techniques.

**Financial assistance**
Most graduate students in the department receive excellent financial support, including teaching assistantships, research assistantships and fellowships, which cover all tuition and include stipends of $16,000 - $30,000. Preference is given to Ph.D. students for support.

**Application process**

**Ph.D. program**
- The department admits primarily Ph.D. candidates.
- Information about the application process, including program guidelines, can be found at cis.ksu.edu/programs/grad/admissions
- All application materials can be submitted online at k-state.edu/grad/application/index.html

**Admission deadlines**
- **Summer** – Dec. 1
- **Fall** – Jan. 8
- **Spring** – Aug. 1

**Admission requirements**
- Bachelor’s degree in computer science, or closely related field, from an accredited institution with a grade point average of at least 3.0 out of 4.0 (or equivalent)
- **GRE scores** — minimum scores (new scale): verbal – 146, quantitative – 151
- **TOEFL scores** — must be at least 90 (Internet-based), with no score below 20 on reading, listening or writing sections. TOEFL or related scores are required for all applicants whose primary language is not English.

**English language program**
Kansas State University offers English language graduate support courses. ELP academic advisers help students who are admitted to study in a degree program make the transition from the ELP into their academic departments.

Visit k-state.edu/elp for more information.