Application process

- The department admits primarily doctoral 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.

Minimum 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: verbal – 146, quantitative – 151

Application deadlines

- Jan. 8 for fall (August) enrollment
- Aug. 1 for spring (January) enrollment
- Dec. 1 for summer (June) enrollment

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 doctorate students for support.

International student requirements

<table>
<thead>
<tr>
<th>Test</th>
<th>Minimum score</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBT TOEFL (interest-based)</td>
<td>79</td>
</tr>
<tr>
<td>TOEFL (PBT)</td>
<td>550</td>
</tr>
<tr>
<td>IELTS</td>
<td>6.5</td>
</tr>
<tr>
<td>Pearson Test of English (PTE)</td>
<td>58</td>
</tr>
</tbody>
</table>

English Language Program (ELP)

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. For more information, visit k-state.edu/elp.

Helpful websites

Engineering Research and Graduate Programs
engg.k-state.edu/ergp

Graduate catalog
catalog.k-state.edu/index.php?coid=2

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

Graduate student life information
k-state.edu/grad/students

Notice of Nondiscrimination
Kansas State University is committed to nondiscrimination in admissions, programs and employment. Inquiries and complaints: Contact Director of Institutional Equity, Kansas State University, 103 Edwards Hall, Manhattan, KS 66506-4801, (Phone) 785-532-6226.
Our motto is simple — world class. World-class faculty, world-class research and world-class education.

Our faculty members are world-class researchers and teachers who have attracted funding from federal agencies and industry for not only research, but also 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, scientific computing, data science, cyber-physical systems 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!

Scott DeLoach
Professor and department head

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### Degrees

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

**Master of Science**
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.

**Master of Software Engineering**
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 consists of 33 credits and includes a capstone project where students demonstrate their mastery of software engineering processes and techniques.

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### Research Areas

#### Cybersecurity
Security research at K-State is a broad, cutting-edge cybersecurity program. Its core strengths include secure and trustworthy intelligent, embedded and cyber-physical systems; applications of probability/information theory; and authentication, authorization and access control.

[cs.k-state.edu](http://cs.k-state.edu)

#### High-assurance software engineering
Faculty at the laboratory for specification, analysis and transformation of software (SAnToS) 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](http://santoslab.org)

#### Cyber-physical systems
Our cyber-physical research focuses on formal modeling, analysis, verification and synthesis of cyber-physical systems with applications including intelligent transportation systems, battery modeling, dam safety, mobile applications and high-throughput phenotyping.

[cs.k-state.edu/cps](http://cs.k-state.edu/cps)

#### Data science
Research areas include machine learning, natural language processing, data mining, predictive analytics, business intelligence and visualization. Core strengths comprise the analysis of natural language text; linked spatial and temporal data; security data; crisis-related text and images; and biological data.

[cs.k-state.edu/datascience](http://cs.k-state.edu/datascience)