Welcome from the department head

I would like to thank you for considering a graduate degree in electrical and computer engineering from Kansas State University. Our graduate programs have been highly ranked, and we have excellent faculty and facilities for our students to be successful.

Our department, originally founded in 1899, has approximately 80 graduate students, 400 undergraduate students and 20 outstanding faculty. Our graduate students are very accomplished in publishing in both journals and conferences, and our graduates have a solid record of finding jobs in both academia and industry across the USA and internationally.

I encourage you to explore our website to learn more about our faculty and their research, and to reach out to those whose activities match your interest. We look forward to hearing from you.

Sincerely,
Don Gruenbacher
ECE department head and associate 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/graduatestudentlife/
GraduateStudentLife.html

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

Electrical and Computer Engineering Graduate Program
Kansas State University
A guide for interested students

deep.k-state.edu • grad@ece.ksu.edu
785-532-5600
Biomedical systems
Research in the biomedical systems area includes the development of devices for both human and animal health care, as well as creating and using epidemic models as tools to study effective approaches for mitigation of epidemics in humans, animals, and plants.

Communications and networks
This area has various aspects of research being performed by faculty in both electrical and computer engineering. Activities include: 1) the design of low-power wireless radios; 2) the development of new theoretical and applied principles to wireless communication systems, sensor networks, and signal processing systems; and 3) theoretical and applied research in future networking topics.

Embedded systems applications
Research conducted in the embedded systems area covers a wide range of topics including the following: artificial intelligence, evolutionary computing, embedded devices for human space activities, memory architectures for supercomputing, and systems for measuring transportation surfaces.

Power and energy systems
The power and energy systems area includes research in wind and solar, Smart Grid, power electronics, distribution systems, and transmission systems.

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

Ph.D. degree
The Ph.D. program is a research-oriented curriculum and requires 60 hours beyond the master’s including original research of sufficient quality and importance to merit publication in a referred journal. Graduates of our program find employment in national laboratories, academic institutions, government facilities and private industries.

Minimum admission
Official TOEFL scores (Institution code: 6334, Department code: 66) must be at least 85 (Internet-based), with no score below 20 on reading, listening and writing sections.

GRE minimum scores (Institution code: 6334, Department code: 1203) based on a new scale: verbal – 145; quantitative – 155; analytical – 3.0

Graduation from an accredited institution with a baccalaureate degree in electrical engineering, computer engineering or closely related field

Grade point average of at least 3.0 out of 4.0

Application deadlines
Summer – January 8
Fall – January 8
Spring – August 1

Financial assistance
Research and teaching assistantships are available on a competitive basis. We evaluate all applications for the possibility of these positions.

For Ph.D.s, we offer a fellowship opportunity that provides an award of an additional $8,000 to selected Ph.D. applicants. Interested applicants must formally request the fellowship during the application process by submitting an application found at ece.k-state.edu/graduate/.

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.