PH.D. IN COMPUTER ENGINEERING

The Ph.D. in Computer Engineering creates future leaders in the thriving field of computer engineering. Under the tutelage of renowned computer engineering faculty, graduates of this program produce significant contributions and original research to advance next generation electronics and computing.

Offering a highly customizable curriculum, this program specializes in the following areas: biomedical engineering, communications and signal processing, computer engineering, controls and robotics, electromagnetics and remote sensing, and lasers and photonics.

Students pursuing a Ph.D. in Computer Engineering complete a research-oriented plan of study involving a dissertation and coursework. Interested applicants should refer to CSU's Graduate and Professional Bulletin (https://catalog.colostate.edu/general-catalog/graduate-bulletin/) and the Electrical and Computer Engineering Department (http://www.engr.colostate.edu/ece/) website.

Learning Objectives

Upon successful completion, students will be able to:

1. Identify, formulate, and solve advanced research problems using fundamental computer engineering principles, methodologies, and tools.
2. Produce important contributions and add to the body of knowledge through peer-reviewed, high-impact publications.
3. Demonstrate effective oral and written communication to convey technical concepts to both engineers and non-engineers.
4. Demonstrate professional behavior and understand the ethical, economic, environmental, and societal impacts of their work.
5. Serve as leaders in Computer Engineering research.