

# MASTER OF SCIENCE IN COMPUTER ENGINEERING, PLAN B

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From self-driving cars to smart cities, we live in a hyper-connected world. As the smart thinkers behind today's smart devices and systems, computer engineers hold the key to understanding, advancing, and protecting the security of next generation technologies and data networks.

The Master of Science in Computer Engineering, Plan B produces professionals capable of applying in-depth knowledge and creativity to analyze, design, develop, and improve computer systems in technically demanding careers to drive innovation in virtually any field. Students interested in graduate work 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 engineering problems using fundamental computer engineering principles, methodologies, and tools.
2. Apply in-depth knowledge and creativity in a variety of contexts to achieve a significant technical objective.
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.