

# DEPARTMENT OF SYSTEMS ENGINEERING

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## Graduate

### Graduate Programs in Systems Engineering

Students interested in graduate work should refer to the Graduate and Professional Bulletin (<http://catalog.colostate.edu/general-catalog/graduate-bulletin/>) or visit the department website (<https://www.engr.colostate.edu/se/>).

The Master of Engineering program produces graduates who can design and manage complex multidisciplinary engineering systems with a rigorous systems engineering approach. The applied focus in courses builds skills that can be utilized immediately in current projects and prepares students for future career opportunities.

Graduates of the Master of Science program will be capable of designing and managing complex multidisciplinary engineering systems with a rigorous systems engineering approach. The research component of the thesis- and project-based M.S. programs equips students with cutting edge skills in specific focus areas, preparing them for future career opportunities.

The Ph.D. prepares students to become leaders in systems engineering. Throughout the program, students produce significant academic contributions in terms of original research to the field, driving advancements and leading to improvements in energy efficiency, environmental impact, cybersecurity, and economic growth, among other areas of application for systems engineering.

The Doctor of Engineering in Systems Engineering degree will include core studies in systems engineering and its applications to complex systems in a working environment. The curriculum includes professional and applied/translational courses, a systems engineering practicum, and a dissertation to assist working professionals in attaining a higher level of value for their organizations.

## Certificate

- Graduate Certificate in Systems Engineering Practice (<http://catalog.colostate.edu/general-catalog/colleges/engineering/systems-engineering/graduate-certificate-systems-engineering-practice/>)

## Master's Programs

- Master of Science in Systems Engineering, Plan A
- Master of Science in Systems Engineering, Plan B (<http://catalog.colostate.edu/general-catalog/colleges/engineering/systems-engineering/systems-engineering-ms/>)
- Master of Engineering, Plan C, Systems Engineering Specialization (<http://catalog.colostate.edu/general-catalog/colleges/engineering/plan-c-me-systems-engineering-specialization/>)

## Ph.D.

- Ph.D. in Systems Engineering (<http://catalog.colostate.edu/general-catalog/colleges/engineering/systems-engineering/systems-engineering-phd/>)

## Professional Doctorate

- Doctor of Engineering in Systems Engineering (<http://catalog.colostate.edu/general-catalog/colleges/engineering/systems-engineering/systems-engineering-professional-doctorate/>)