Overview
The online Ph.D. in systems engineering is a competitive program for working professionals, offering a flexible study format and applicable material. Students are encouraged to problem-solve current issues faced by their employers as part of their studies.

Designed for senior management and top-level executives, CSU's highly selective online systems engineering Ph.D. program only accepts a handful of students each semester to maintain the integrity and quality of the student experience.

What you will learn
In consultation with your advisory committee, you'll individually structure the systems engineering graduate program to fit your academic and research goals. Your Ph.D. experience culminates in a dissertation* which serves to heighten research and knowledge in your area of interest, and demonstrates a solid foundation of systems engineering theory and practice, as well as a multi-disciplinary understanding of systems concepts.

Topics of study
• Information technology and project management
• Systems engineering processes
• Engineering risk analysis
• Systems engineering architecture
• Simulation modeling and experimentation
• Dynamics of complex engineering systems

Review the Ph.D. curriculum on the website.

The online Ph.D. in systems engineering offers the advantage of synchronous or asynchronous delivery, allowing you the flexibility to study when and where it works best for your situation, with options to:
• Watch and interact online while the lecture is happening live in class.
• Watch a recorded version online after work or on the weekend.
• Attend a selection of courses in person at our South Metro Denver location.

*Tuition may or may not require a campus visit.

Contact
(970) 492-4898
online.colostate.edu/contact

Delivery
Online; select courses have in-person attendance options

Credits
72 credits

Tuition
$666-$985 per credit
• Includes Student Services
• Fees assessed separately
• Financial aid is available; eligibility determined on an individual basis

Time frame
Varies based on intensity of study and previous coursework

Completion requirements
• A minimum of 72 credits must be completed.
• Students with applicable master level degree earned with at least 30 credits:
  − 18 course credits required
  − Dissertation (24 cr.)
• Students with no applicable master level degree earned:
  − 39 course credits required
  − Dissertation (33 cr.)

More info
online.colostate.edu/degrees/systems-engineering-phd
Application Deadlines
Fall Semester: July 1  
Spring Semester: November 1

1 Review Admission Requirements

The complete Systems Engineering Application Information Packet provides detailed information regarding CSU's Systems Engineering graduate programs, minimum application qualifications, criteria for admission, and more.

- B.S. degree from a regionally accredited institution in engineering, business, life sciences, or natural sciences with a GPA of 3.0 or greater
- Calculus III (MATH 261 Calculus for Physical Scientists III or equivalent)
- Basic Statistics
- GRE test scores are required if all previous degrees were conferred by an institution outside of the U.S

2 Secure a Faculty Advisor

3 Prepare Application Materials

Prepare the materials below and upload when you apply online.

- Three letters of recommendation
- Resume
- Statement of purpose

4 Complete Online Application

Complete the online graduate application and pay the nonrefundable application processing fee (payable online). As soon as you have completed the required information, please submit your application. You do not need to wait for recommendations or transcripts to move your application forward.

- Select ‘Systems Engineering (College of Engineering) Ph.D.- Distance’ when choosing the program of study

5 Request Transcripts

Request one official transcript of all collegiate work completed from every institution attended, whether or not you received a degree from those institutions. Transcripts from Colorado State University are not required. Official transcripts can either be mailed in or sent as e-transcripts.

Send e-transcripts to: gradadmissions@colostate.edu

Send paper copies to:
Graduate Admissions
Colorado State University – Office of Admissions
1062 Campus Delivery
Fort Collins, CO 80523-1062

Check Your Application Status

View your application status at any time to ensure your application checklist is complete or to check on updates. Once your complete application, including supporting materials, is received, the department admission committee will review your application and promptly notify you of their decision.

International Students

See website for test score and transcript requirements.

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