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'll 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.

*Dissertation 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
$649-$1,035 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

Full consideration is given to applicants who meet the given deadline. Applications received after the deadline will be reviewed as space within the program allows.

Fall semester: July 1  
Spring semester: November 1

Start your application online and upload materials directly into the online system. You can save your progress and return any time. We recommend starting the application process at least 1 month before the deadline to ensure you submit all required materials on time.

1. Review Admission Requirements
   - B.S. degree from a regionally accredited institution in engineering, mathematics, or a science discipline 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

Note that meeting the minimum department standards does not ensure admission to the program. Admission to Colorado State University graduate programs is based on a number of factors, including prior academic and professional experience and the personal statement.

2. Secure a Faculty Advisor

A faculty advisor must be secured before you begin your application. Please download and reference the Systems Engineering Application Information Packet for details.

3. Prepare Application Materials
   - Three letters of recommendation: Three professional recommendations are required. We suggest letters come from faculty, supervisors, etc. who can accurately speak to your skills. You will provide information about your recommenders in the online application. CSU will contact them with instructions and a link to a secure form they will submit on your behalf.
   - Resume
   - Statement of purpose
     - (2 pages MAXIMUM) This is meant to address the Systems Engineering Admissions Committee and why you would be a good fit for the program. This is different from the Research Interest Summary you will compile, but some of the same information may be used. Topics may include, but are not limited to:
       - Your relevant professional/academic background and skills
       - Why you are interested in Systems Engineering – provide specific areas of interest and application
       - Why you are interested in CSU’s program and what you can contribute to CSU

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

(970) 492-4898  online.colostate.edu/contact
How to Apply (Continued)

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 Applicants Only

☐ Official transcript
  Ensure official copies include a certified translation into English. Only one set of transcripts per institution is required.

☐ Official TOEFL scores
  - Submit official scores through the Educational Testing Service (select institution code: 4075).
  - Students are exempted from the TOEFL or IELTS requirement if the official language of their country is English or if they have recently earned a degree from an American University.
  - The minimum score for applicants is 80 on the internet-based test (550 on the paper-based test or 6.5 on the IELTS). Leave the department code blank. It generally takes 3-6 weeks for ETS to get the scores to CSU, so allow plenty of time. Photocopies will not be accepted.
  - Visit ETS for more information.

☐ Submit GRE Test Scores
  - GRE test scores are required only if all previous degrees were conferred by an institution outside of the U.S.
  - Submit official GRE General Test scores through the Educational Testing Service (select institution code: 4075 and leave the department code blank). Scores are typically received by the University 4-6 weeks after your testing date.
  - All three sections — verbal, quantitative, and analytical — must be submitted. Photocopies are not accepted.
  - A GRE Preparation course is available face-to-face and online through CSU.

Questions? Contact a Student Success Coach for help with your application. Call (970) 492-4898.