

# The Graduate Program in Systems Engineering at Colorado State

Be a part of the next generation of innovators



CSU's Systems Engineering Program has over 300 graduate students studying all aspects of systems engineering science and applications.

Systems Engineering houses 13 core faculty and 31 associated faculty from across CSU's relevant departments and programs.

Systems Engineering has academic advising staff and success coaches to help you achieve your academic and professional goals.

## Examples of CSU's Systems Engineering Experts



Prof. Thomas Bradley, specialist in energy, automotive systems, systems design



Prof. Erika Miller, specialist in human factors, autonomy, and transport systems



Prof. Jim Cale, specialist in energy systems, electrical machines, optimization and control



Prof. Steve Simske, specialist in 3D printing, anti-counterfeiting, and meta-analytics



Degrees for today's needs:

- Ph.D.
- D.Eng.
- MS, ME

A certificate is also offered.

Systems engineering applies to complex systems in most fields, including:

- Aerospace
- Medical
- Energy
- Transportation
- Space
- Military



CSU's System Engineering Program provides education that fits your life. All courses can be taken in-person, or online, synchronously or asynchronously.

CSU is Nationally recognized for excellence in Student/Veterans, Sustainability, Distance Education Programs, and SE Research.

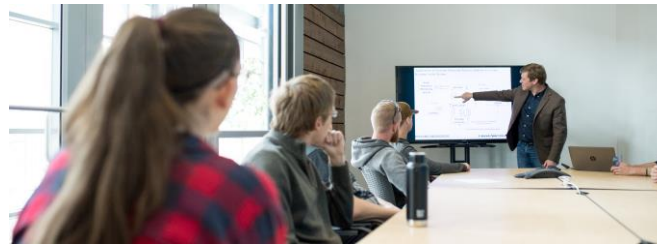


## CSU's Systems Engineering Department

Colorado State University is already a nationally-ranked research and education University, and now our Systems Engineering Department is leading the field of online education.

- This online and in-person degree program is focused on the needs of working professionals earning MS, ME, PhD or DEng degrees.
- Students train to innovate in multi-disciplinary teams, bringing the insights of systems engineering to solving complex, real-life problems.
- The most modern tools and research in risk analysis, security, operations, modeling, and design are brought to life by our faculty of academic and industry professionals.

We work with our innovative industry and government partners to develop a collective capability to engineer systems in aerospace, energy, civil, and social applications.



## Program Features

- ▶ **Designed for working professionals**  
This program is designed to provide experienced scientists and engineers with the ability to rise to higher levels of expertise
- ▶ **Hybrid classes simultaneously on campus and distance class**
  - Classes meet 1/week from 5:15 -8:00 pm
  - Different classes are held Monday through Thursday evenings
  - All SE graduate degree programs are available to students nationwide, and internationally.
- ▶ **Benefits**
  - Analyze, design, and create systems solutions applicable to many technologies
  - Apply SE in large complex systems in an integrated way
  - Apply technical and business techniques to further advance your career

## Why Systems Engineering?

Modern business and technology demands require more complex and timely responses for the design, development, and use of products and processes on a global basis.

- Systems engineering concepts are multidisciplinary and enable the student to assume technical leadership roles within their industries or organizations by being able to think in systems and critically about complex issues.
- Systems engineering makes an impact.
- Understanding and designing systems using components which change dynamically requires a different perspective. This program will help you develop that perspective.

To learn more about this program:

Explore the website, email our core faculty, and contact our academic advisors using the contact information below:

Web: [www.engr.colostate.edu/se](http://www.engr.colostate.edu/se)  
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