

# Systems Engineering

## Graduate Certificate (For Credit)



## Overview

Our certificate program provides an introduction to systems engineering concepts and practices with a series of four courses (12 credits) that include key core competencies and skills needed to practice as a systems engineer. The four courses cover risk analysis, project management, support systems, and engineering processes.

### Curriculum

- ENGR 501 – Foundations of Systems Engineering (3 cr.)
- ENGR 530 – Overview of Systems Engineering Processes (3 cr.)
- ENGR 531 – Engineering Risk Analysis (3 cr.)
- CIS 600 – Information Technology and Project Management (3 cr.)

### Designed For

Students whose mathematical or statistical skills are underdeveloped, or those attempting to meet the requirements of other programs.

### Certificate Requirements

- Candidates for the certificate program should have completed a Bachelor of Science in an engineering, science, or natural resources discipline.
- Undergraduate students in good academic standing are permitted to enroll, but must consult their academic advisor prior to registering.
- Admission to the University is not required for the Certificate of Completion in Systems Engineering. You can register for certificate courses if you meet the prerequisites.
- If you intend to use these credits toward the Systems Engineering Master's Degree, you must apply for admission to the degree program before enrolling in the fourth course.

### Contact Us

**Jenny Hannifin, CSU OnlinePlus**  
(970) 491-2665  
[jenny.hannifin@colostate.edu](mailto:jenny.hannifin@colostate.edu)

### For more information

[www.online.colostate.edu/certificates/systems-engineering.dot](http://www.online.colostate.edu/certificates/systems-engineering.dot)

**Systems Engineering  
was named by  
CNNMoney.com as one  
of the top 15 most  
lucrative careers  
in 2009.**

