

Certificate Sheet for *Systems Engineering Practice* (12 cr)

For certificate completion term of Fall 2024 or later



SYSTEMS ENGINEERING
COLORADO STATE UNIVERSITY

Certificate Requirements

- Students **must** have applied and be enrolled in the certificate program the semester in which they complete their final certificate course requirements; a student cannot be back-awarded a certificate.
- All credits must be earned at Colorado State University. There are no course waivers or substitutions for certificates outside of the requirements noted on this sheet.
- **Your cumulative GPA in all certificate courses must be at least a 3.0 to earn the certificate.** If you plan to use certificate courses toward a degree at CSU, any course taken prior to admission to a degree program must have a B or higher grade earned; B- and below are not accepted.
- A graduate course may apply toward up to one certificate and one graduate degree. A single course cannot double-count toward two separate certificates.

Required Coursework

Course prerequisites and expected offering terms can be found on the [SE Courses website](https://www.engr.colostate.edu/se/courses/) (<https://www.engr.colostate.edu/se/courses/>).

Required course (3 cr)	Semester Planned
SYSE 501 (3 cr) <i>Foundations of Systems Engineering</i>	
Choose 9 cr from the following:	
ENGR 502* (3 cr) <i>Engineering Project and Program Management</i>	
SYSE 505 (3 cr) <i>Systems Thinking for the Real World</i>	
SYSE 530 (3 cr) <i>Overview of Systems Engineering Processes</i>	
ENGR 531 (3 cr) <i>Engineering Risk Analysis</i>	

*CIS 600A or CIS 670 may be substituted for ENGR 502

Notes:
