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

For certificate completion term of Fall 2024 or later

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



## **Certificate Requirements**

- Students <u>must</u> 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/).

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

Notes:		