Overview
Content covers technical and management processes to systems design. Technical processes involve modeling and describing systems using a suite of tools to model behavior. This includes:

- Systems optimization
- Model-based systems engineering
- Utility Theory (ways of making decisions and understanding decision support tools)
- Lifecycle assessment
- Multidisciplinary optimization (MDO)
- Probabilistic design
- Verification/validation strategies

Requirements

- Minimum of 30 credits of graduate work in approved program of study for the concentration.
- Minimum of 24 credits must be earned at Colorado State University, 21 of which must be at the 500-level and earned after formal admission to the University.
- Minimum of 21 credits earned at Colorado State must be in 500-level or higher.
- 12 credits must be of core courses, 9 credits of depth courses, 6 credits of technical electives, and 3 credits of group study.
- No independent study, research, internship, supervised college teaching, or practicum credits may be credited toward the degree.
- No more than two courses at the 400-level taken at Colorado State University are permitted.
- No more than two 500-level or higher graduate courses may be transferred from another accredited university.
- Electives or course substitutions must be approved by an academic advisor.
- Either ENGR 597 must be completed or an appropriate 3 credit (at a minimum) course that is consistent with the student’s plan of study must be completed as approved by the Program Advisor.

Delivery
Online; select courses have in-person attendance options

Credits
30 credits

Tuition
$1085 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

More info
online.colostate.edu/degrees/systems-engineering

Contact
Maurice Kigada
Student Success Coach
maurice.kigada@colostate.edu
(970) 492-4722
How to Apply
Master of Engineering (M.E.) - Systems Engineering Specialization

Application Deadlines
Fall Semester: **July 1**  
Spring Semester: **November 1**

1. **Review Admission Requirements**
   Download the complete *Systems Engineering Application Information Packet* prior to starting the application process. This packet provides detailed information regarding CSU’s Systems Engineering graduate programs, minimum application qualifications, criteria for admission, and more.
   - B.S. degree from a regionally accredited institution in engineering, business, life sciences, or natural sciences with a GPA of 3.0 or greater
   - Basic Statistics
   - Calculus I
   - GRE test scores are required if all previous degrees were conferred by an institution outside of the U.S.

2. **Prepare Application Materials**
   Prepare the materials below and upload when you apply online.
   - Three letters of recommendation
   - Resume
   - Statement of purpose

3. **Complete Online Application**
   Complete the online graduate application and pay the nonrefundable application processing fee (payable online).
   - Select ‘Engineering ME/Systems Engr - Distance’ when choosing the program of study.

4. **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 Students**
See [website](#) for test score and transcript requirements.

☎️ (970) 492-4722  📧 maurice.kigada@colostate.edu