# Systems Engineering Minimum Application Qualifications

The CSU Systems Engineering Department has one graduate certificate and five graduate degree plans from which a student may choose. The minimum application requirements listed below demonstrate the types of competencies that are generally required for success in our programs and the specific requirements of each program. Basic competencies can be learned through coursework or career path if there is adequate professional and technical experience. Please note that meeting the minimum program standards does not ensure admission to the program.

Pages 2-3 of this document contain instructions for applying to the Doctor of Engineering in Systems Engineering (D.Eng.). If you are interested in a different program, please view our website to access the correct instructions.

[https://www.engr.colostate.edu/se/future-student/](https://www.engr.colostate.edu/se/future-student/)

- ✔️ = required
- ⭐ = strongly recommended

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<td>Four-year bachelor’s degree from a regionally accredited institution</td>
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<td>B.S. in engineering, mathematics, or a technical discipline with a GPA of at least 3.0</td>
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<td>Calculus I course <em>(please note some course options within our degrees may have higher math prerequisites)</em></td>
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<td>Basic statistics course</td>
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<td>GRE test scores are required if applicant does not have a U.S. degree</td>
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<td>Secure a faculty advisor prior to completing application</td>
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<td>Minimum 5-8 years’ professional experience as, “Systems Engineer,” “Engineer,” “Scientist,” or equivalent</td>
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<td>Sponsor within practicum organization who will collaborate with CSU during practicum <em>(1 letter of rec. must be from this person)</em></td>
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* If applying for a doctorate program and your B.S. is not in engineering, an M.E. or M.S. in engineering is *strongly recommended*
Doctor of Engineering in Systems Engineering (D.Eng.)
Detailed Application Checklist

Please use the following checklist to be certain you have included everything in your application.

**Deadlines:** Your application should be submitted and *everything should be received* by
- March 1 for fall admission or
- November 1 for spring semester admission

**STEP 1: BEGIN YOUR ONLINE APPLICATION**
You will create an account and can re-visit the application at any time to continue where you last left off: http://gradadmissions.colostate.edu/apply
- When choosing your program, if you want to do it Online, select the “Distance” option

**STEP 2: SUBMIT ALL REQUIRED APPLICATION MATERIALS**

You will submit the following through the online application:

- **Current resumé** clearly demonstrating at least the following required professional experience as ‘Systems Engineer,’ ‘Engineer,’ ‘Scientist,’ or equivalent:
  - 8 yrs or company recommendation for those applying to 72-credit (no applicable master’s)
  - 5 yrs or company recommendation applying for 42-credit (student already has applicable master’s)

- **Statement of purpose** *(2 pages MAXIMUM).* This is meant to address the Systems Engineering Admissions Committee and why you would be a good fit for the program. Topics may include, but are not limited to:
  - Your relevant professional/academic background and skills
  - Why you are interested in Systems Engineering – provide specific areas of interest and application
  - Why you are interested in CSU’s applied D.Eng. program and what you can contribute to CSU

You will need to have the following sent separately:

- **One letter of recommendation** from a sponsor within your expected practicum site/current company. This sponsor is expected to help coordinate with CSU during your practicum and serve on your advisory committee in the capacity of industry member. The letter should state both their recommendation of the applicant and agreement to serve as Practicum Sponsor. **Your practicum sponsor must submit a current resume along with their recommendation so minimum sponsor requirements can be verified (can be combined into one document for upload).**
  More information about the requirements and expectations of practicum sponsors can be located at https://www.engr.colostate.edu/se/deng/ in the ‘Documents and Forms’ section.

- **Two additional letters of recommendation** from faculty, supervisors, etc. who can speak to your relevant skills accurately and in detail.

  You will add names of recommenders through the online application and they will be emailed with instructions to upload the letter. Letters directly from applicants will not be accepted. **It is your responsibility to connect with your recommenders and ensure the recommendations are submitted by the appropriate deadline.**

- **One official transcript from every post-secondary institution attended**, even those from which you did not earn a degree (transcripts from CSU are not required).
  To submit official transcripts, contact your previous institutions to request they submit official transcripts to Colorado State University (use institution code 4075). If a mailing address or email address is required, use the one(s) shown on the next page.

Page 2
GRE Scores or Waiver Request: GRE General Test scores are required for students who do not have a U.S. degree.

- If you qualify for a GRE waiver (have earned a degree from a U.S. institution) please email sys_engr_info@engr.colostate.edu after your transcript for that degree has been received AND your application has been submitted to request the waiver.

- If you do not qualify for a waiver, submit official GRE General Test scores through the Educational Testing Service (select institution code: 4075, leave the department code blank). Scores are typically received by the University 4-6 weeks after your testing date.

  - All three sections — verbal, quantitative, and analytical — must be submitted. Photocopies are not accepted.

TOEFL and/or IELTS scores: Students are exempted from the TOEFL or IELTS requirement if the primary official language of their country is English or if they have recently earned a degree from a U.S. university. It generally takes 3-6 weeks for ETS to send the scores to CSU, so allow plenty of time. Photocopies will not be accepted.

  Test of English as a Foreign Language (TOEFL)
  Submit official scores through the Educational Testing Service (select institution code: 4075, leave the department code blank). The minimum score is 80 on the internet-based test (550 on paper-based).

  International English Language Testing System (IELTS)
  IELTS official score printouts should be sent to the Admissions office (address below). The minimum score is 6.5.

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<th>Addresses to Which All Official Documentation May be Submitted:</th>
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<tbody>
<tr>
<td>Physical mailing address</td>
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<tr>
<td>Graduate Admissions</td>
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<tr>
<td>Colorado State University – Office of Admissions</td>
</tr>
<tr>
<td>1062 Campus Delivery</td>
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<tr>
<td>Fort Collins, CO 80523-1062</td>
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<tr>
<td>Email address</td>
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<tr>
<td><a href="mailto:gradadmissions@colostate.edu">gradadmissions@colostate.edu</a></td>
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STEP 3: SUBMIT YOUR ONLINE APPLICATION

Pay the non-refundable Graduate School Application fee (only payable after application is submitted)

STEP 4: CHECK THE STATUS OF YOUR APPLICATION TO ENSURE YOU MEET YOUR DEADLINE

Please visit http://gradadmissions.colostate.edu/apply/status at any time to check that your application checklist is complete. The Systems Engineering Department will not provide updates on materials you are still missing.

You are responsible for ensuring all materials are received by the deadline.

Your application will be reviewed after the deadline for your application term has passed. Questions regarding the application process and/or program may be directed to sys_engr_info@engr.colostate.edu.