

Program Requirements:

"Program Requirements" specify the courses required for this program. See suggested course sequence for additional information.

A major of 24 units is required for the degree.

Required core courses (24 units):

COURSE	TITLE	UNITS
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> MATH 183	Multivariable Calculus	4
<input type="checkbox"/> PHYS 161	Engineering Physics 1	4
<input type="checkbox"/> PHYS 162	Engineering Physics 2	4
<input type="checkbox"/> PHYS 163	Engineering Physics 3	4

General Education

Suggested Course Sequence

The "Suggested Course Sequence" is an example of how to complete the requirements plus any additional general education that may be needed. If you would like to create a personalized Student Education Plan (SEP), schedule a meeting with a counselor.

This suggested plan assumes a student is eligible for MATH 181 and PHYS 161.

FALL SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> ENGL 101	Freshman Composition: Exposition	4
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> STEM 100	Success Strategies in Science, Technology, Engineering and Mathematics (STEM)	1
<input type="checkbox"/> CSU GE	Area C1: Arts OR	3
<input type="checkbox"/> CSU GE	Area C2: Humanities	3
Total Units		12

Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library & tutoring
- Get involved with STEM
- Review Financial Aid Req.
- Apply AHC Scholarship
- Apply for MESA/STEM
- Engage w/STEM Tutors

SPRING SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> PHYS 161	Engineering Physics 1	4
<input type="checkbox"/> CSU GE	Area A3: Critical Thinking	3
<input type="checkbox"/> CSU GE	Area F: Ethnic Studies	3
Total Units		14

Tasks:

- Set up Jobspeaker
- Attend Career Exploration Day
- Meet with a STEM Counselor
- Apply for STEM Internships
- Apply for STEM Scholarships
- Complete the FAFSA or Dream Act by March 2
- Apply AHC Scholarship
- Attend a Transfer Workshop
- Get involved with STEM
- Engage w/STEM Tutors

SUMMER SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> CSU GE	Area D: Social Sciences	3
<input type="checkbox"/> CSU GE	Area C1: Arts	3
Total Units		6

FALL SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> MATH 183	Multivariable Calculus	4
<input type="checkbox"/> PHYS 163	Engineering Physics 3	4
<input type="checkbox"/> CSU GE	Area A1: Oral Communication	3
<input type="checkbox"/> CSU GE	Area C2: Humanities	3
Total Units		14

Tasks:

- Meet with a STEM Counselor
- Develop Resume at Career Center
- Apply for University Transfer
- Engage w/STEM Tutors
- Review Financial Aid Requirements
- Apply for AHC Scholarship
- Get involved with STEM

SPRING SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> PHYS 162	Engineering Physics 2	4
<input type="checkbox"/> CSU GE	Area B2: Life Science	3
<input type="checkbox"/> CSU GE	Area D: Social Sciences	3
<input type="checkbox"/> CSU GE	Area E: Lifelong Learning and Self Development	3
Total Units		13+

Tasks:

- Apply for Degree with Counseling
- Utilize Job Search Resources
- Complete: Transfer next steps
- Apply for STEM Internships
- Get involved with STEM
- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day
- Apply for STEM Scholarships
- Engage w/STEM Tutors