

A major of 30 units is required for the degree.

COURSE	TITLE	UNITS
<input type="checkbox"/> CS 111	Fundamentals of Programming 1	4
<input type="checkbox"/> CS 112	Fundamentals of Programming 2	4
<input type="checkbox"/> CS 131	Computer Organization	3
<input type="checkbox"/> CS 161	Discrete Structures	3
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> PHYS 161	Engineering Physics 1	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"/> CS 111	Fundamentals of Programming 1	4
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> STEM 100	Success Strategies in Science, Technology, Engineering and Mathematics (STEM)	1
Total Units		13

Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library and 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"/> CS 112	Fundamentals of Programming 2	4
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> PHYS 161	Engineering Physics 1	4
<input type="checkbox"/> IGETC	Area 1B: Critical Thinking	3
Total Units		15

Tasks:

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

SUMMER SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> IGETC	Area 4: Social and Behavioral Sciences	3
<input type="checkbox"/> IGETC	Area 3A: Arts	3
Total Units		6

FALL SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> CS 131	Computer Organization	3
<input type="checkbox"/> PHYS 163	Engineering Physics 3	4
<input type="checkbox"/> IGETC	Area 1C (CSU Only): Oral Communication	3
<input type="checkbox"/> IGETC	Area 3B: Humanities	3
<input type="checkbox"/> IGETC	Area 7: Ethnic Studies	3
Total Units		16

Tasks:

- Meet with a STEM Counselor
- **Apply for University Transfer**
- Develop Resume at Career Center
- 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"/> CS 161	Discrete Structures	3
<input type="checkbox"/> IGETC	Area 3A or 3B: Arts and Humanities	3
<input type="checkbox"/> IGETC	Area 4: Social and Behavioral Sciences	3
<input type="checkbox"/> IGETC	Area 5B: Biological Science	3
<input type="checkbox"/> ELECTIVE	STEM PATHWAYS ELECTIVE	3+
Total Units		15+

Tasks:

- Apply for Degree with Counseling
- **Complete: Transfer next steps**
- Utilize Job Search Resources
- Apply for STEM Internships



Computer Science Associate in Science for Transfer (using IGETC)

- 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