

This program roadmap represents one possible pathway to complete the program. **Please see a counselor** to create an education plan that is customized to meet your needs. This roadmap is not a guarantee of course availability or financial aid applicability. For counseling appointments call 916.608.6510.

FIRST YEAR

Semester 1:

16 units

CAT.	COURSE	TITLE		GE AREA
Req	MATH 400*	Calculus I	5	B4
Req	CHEM 400*	General Chemistry I	5	B1/B3
Req	ENGR 312	Engineering Graphics	3	
Req	ENGWR 300	College Composition	3	A2

Semester 2:

15 units

Req	MATH 401*	Calculus II	5	B4
Req	PHYS 411*	Mechanics of Solids and Fluids	4	B1/B3
Req	ENGWR 301* or ENGWR 302*	College Composition & Literature or Advanced Composition & Critical Thinking	3	A3
GE		US History/American Ideals	3	F/D

*This course has a prerequisite or corequisite course.

Notes:

- See General Education requirements for: [CSU](#)
- See [ASSIST.ORG](#) for the transfer requirements for the institution to which you plan to transfer.
- A transferable elective is defined as any class with a course number between 300 and 499. Electives may vary for the [CSU](#) and [UC](#) systems.
- U.S. History/American Ideals is a graduation requirement for all CSUs.
- Foreign Language may be required for CSU Sacramento IF student did not complete 3 years in high school. This requirement may vary at different colleges.
- Some English and Math courses have support courses (co-requisites). See your assessment results for more details.

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this degree
GE	General Education	A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirement
Elec	Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree



SECOND YEAR

Semester 3:

15 units

CAT.	COURSE	TITLE	UNITS	GE AREA
Req	MATH 402*	Calculus III	5	B4
Req	PHYS 421*	Electricity & Magnetism	4	
Req	ENGR 420*	Statics	3	
Req		Oral Communication	3	A1

Semester 4:

16 units

Req	MATH 420*	Differential Equations	4	B4
Req	ENGR 400*	Introduction to Electrical Circuits/Devices	3	
GE		US History/American Ideals	3	F/D
GE		Arts or Humanities	3	C1/C2
GE		Life Science	3	B2

*This course has a prerequisite or corequisite course.

Notes:

- See General Education requirements for: [CSU](#)
- See [ASSIST.ORG](#) for the transfer requirements for the institution to which you plan to transfer.
- A transferable elective is defined as any class with a course number between 300 and 499. Electives may vary for the [CSU](#) and [UC](#) systems.
- U.S. History/American Ideals is a graduation requirement for all CSUs.
- Foreign Language may be required for CSU Sacramento IF student did not complete 3 years in high school. This requirement may vary at different colleges.
- Some English and Math courses have support courses (co-requisites). See your assessment results for more details.

EXPLANATION OF CATEGORIES

Req	Required Core	A course that is required for this degree
GE	General Education	A course that fulfills a specific general education requirement for this degree, which can be replaced with another course that meets the same requirement
Elec	Elective	A degree-applicable course that is part of a degree roadmap to ensure that there is a total of at least 60 units, which is a requirement for an associate degree