

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	2A
Req	CHEM 400*	General Chemistry I	5	4A/4C
Req	CISP 300	Algorithm Design/Problem Solving	3	
Req	ENGWR 300	College Composition	3	1A

Semester 2:

16 units

Req	MATH 401*	Calculus II	5	
Req	PHYS 411*	Mechanics of Solids and Fluids	4	
Req	ENGWR 301* or ENGWR 302* or PHIL 328	College Composition & Literature or Advanced Composition & Critical Thinking or Critical Reason & Composition	3	1B
Req	CISP 360*	Introduction to Structured Programming	4	

*This course has a prerequisite or corequisite course.

Notes:

- See General Education requirements for: [UC](#)
- 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:

14 units

CAT.	COURSE	TITLE	UNITS	GE AREA
Req	MATH 402*	Calculus III	5	2A
Req	MATH 410*	Introduction to Linear Algebra	3	2A
Req	PHYS 421* or PHYS 431*	Electricity & Magnetism or Heat, Waves, Light & Modern Physics	4	5A/5C
Req	COMM 301 or COMM 321	Introduction to Public Speaking or Interpersonal Communication	3	1C
GE		Arts/Humanities or Social Science	3	3/4

Semester 4:

16 units

Req	MATH 420*	Differential Equations	4	2A
Req	ENGR 420*	Statics	3	
Req	PHYS 421* or PHYS 431*	Electricity & Magnetism or Heat, Waves, Light & Modern Physics	4	5A/5C
Req	CHEM 401*	General Chemistry II	5	5A/5C

*This course has a prerequisite or corequisite course.

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