

# Sample Academic Plan: Chemistry- UC Transfer Pathway Chemistry AS-T Degree

Catalog: 22-23

GE Pattern: IGETC for STEM (UC)

Full Time, Total Units: 73-78

NOTE: This program roadmap represents one possible pathway to complete the program. Please see a counselor to create an academic 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) 660-7400.

## First Year

### Semester 1 (13 units)

Course Number	Course Title	Units	Area
CHEM 0001A	General Chemistry I	5 units	Major/IGETC 5A/5C
ENGL 0001A	College Reading, Writing and Research	4 units	Major/IGETC Area 1A
MATH 0030	Analytical Geometry and Calculus I	4 units	Major

### Semester 2 (12 units)

Course Number	Course Title	Units	Area
CHEM 0001B	General Chemistry II	5 units	Major
ENGL 0001B/0001C	Crit Think Literature/Critical Think Across Curric	3 units	IGETC Area 1B
MATH 0031	Analytical Geometry and Calculus II	4 units	Major

## Second Year

### Semester 3 (14 units)

Course Number	Course Title	Units	Area
CHEM 0012A	Organic Chemistry I	5 units	Major
MATH 0032	Analytical Geometry and Calculus III	4 units	Major
PHYS 0205 & 0205L	Principles of Physics: Mechanics with Lab	5 units	Major

### Semester 4 (14 units)

Course Number	Course Title	Units	Area
CHEM 0012B	Organic Chemistry II	5 units	Major
MATH 0033	Differential Equations and Linear Algebra	6 units	Major
	Major Elective (See list in catalog)	3 units	Major Elect/IGETC 3B

## Third Year

### Semester 5 (10-15units)

Course Number	Course Title	Units	Area
PHYS 0210 & 210L	Principles of Physics: Electricity, Magnetism/Lab	4 units	Major
	Major Elective (See list in catalog)	3 units	Major Elect/IGETC 5B
	Major Elective (See list in catalog)	3 units	Major Elect/IGETC 4
	General Education	0-5 units	IGETC Area 6

Semester 6 (10 units)

Course Number	Course Title	Units	Area
PHYS 0215 & 0215L	Princ of Physics: Heat, Waves, Modern Phys/Lab	4 units	Major
	General Education	3 units	IGETC Area 3A
	General Education	3 units	IGETC Area 4