

## Chemistry AS-T Degree Checklist for 2019-2020

This worksheet is a guideline for this major. Please meet with a counselor to review your educational plan, transfer goals, and graduation requirements.

### Major Requirements

Need	In Progress	Complete	UNITS	COURSE #	COURSE NAME	EQUIVALENT
			5	CHEM 025	General College Chemistry	
			5	CHEM 026	General College Chemistry	
			5	CHEM 028	Organic Chemistry I	
			5	CHEM 029	Organic Chemistry II	
			4	MATH 210	Calculus and Analytic Geometry I	
			4	MATH 220	Calculus and Analytic Geometry II	
			4	PHYS 040	Physics for Scientists and Engineers I	
			4	PHYS 041	Physics for Scientists and Engineers II	

36 Units in the Major

### IGETC Intersegmental General Education Transfer Curriculum Course Recommendations

Need	In Progress	Complete	UNITS	AREA	REQUIRED	RECOMMENDED COURSE	EQUIVALENT/ALTERNATE
			3	1-A	1	ENGL 100	
			3	1-B	1	ENGL 221, 230, PHIL 110	
			3	1-C	1	SPCH 110, 120 (CSU only)	
				2	1	MATH 210*, 220*	Satisfied by major requirement
			3	3A	1	ART 005, 006, 007, 008, 009, 016, DRAMA 015, 016, 070, HUMAN 035, MUSIC 010, 015, 017	
			3 - 5	3B	1	ART 017, 018, 035, CHIN 040, DRAMA 025, 030, ENGL 124, 127, 128, 129, 132, 133, 140, 145, 150, 205, 231, FILIP 061, FRNCH 061, 062, HIST 056, 057, 060, HUMAN 019, 020, 021, 022, 023, 024, 030, 035, 050, ITAL 061, MUSIC 012, PHIL 100, 120, 122, 130, 132, 133, 140, 150, 151, POLSC 060, 133, SIGN 051, 052, 053, SOCS 110, 136, SPAN 051, 052, 053, 057, 058	
			3	4-F	1	ECON 005, HIST 029, 030, 046, 047, 052, 056, 057, 060, 061	
			3	4-H	1	POLSC 010, 040 or 060	
				5-A	1	CHEM 025*, 026*, PHYS 040*, 041*	Satisfied by major requirement
			3-5	5-B	1	ANTHR 001, BIOSC 007, 008, 010, 020, 021, 040, 045, 050	
			3 - 5	6	1	CHIN 030, 040, FILIP 060, 061, FRNCH 060, 061, 062, ITAL 060, 061, SIGN 050, 051, 067, 068, SPAN 050, 051, 052, 053, 057, 058 (UC only)	
					1 or 2	POLSC 010 or 040 and 060	
					1	ECON 005, HIST 029, 030, 038, 046, 047, 052, 056, 057, 060, 061	

31 - 36 Units of General Education

\*These courses are recommended for Chemistry majors.

Group A & B courses satisfy 2 of the area D requirements, but the units do not double count

Depending on the student's level of preparation, the following are recommended prerequisites:  
Chem 6 and Phys 15 and Math 12, 25, 30, 26, & 29.

In addition, students should consider taking the following recommended electives before transfer:  
Phys 42 and Math 70 & 80.

CSU Degree Pathways for Chemistry for Transfer AST

Bakersfield	Biochemistry	Biochemistry – General, Food Science
Bakersfield	Chemistry	American Chemical Society, General, Management and Marketing, Occupational Safety and Health Management
Channel Islands	Chemistry	Biochemistry, Chemistry - General
Chico	Chemistry	Chemistry - General
Dominguez Hills	Chemistry	Biochemistry, General Chemistry
East Bay	Chemistry	No Concentration
Fresno	Chemistry	Chemistry
Fullerton	Chemistry	Chemistry - General
Humboldt	Chemistry	Biochemistry, Chemistry
Long Beach	Biochemistry	Biochemistry – General,
Long Beach	Chemistry	Chemistry - General
Los Angeles	Chemistry	General
Northridge	Chemistry	General
Pomona	Chemistry	General Chemistry
Sacramento	Chemistry	Biochemistry, Forensic Chemistry, General Chemistry
San Bernardino	Chemistry	General
San Diego	Chemistry	Certificate of the American Chemical Society
San Francisco	Biochemistry	Biochemistry - General
San Francisco	Chemistry	Chemistry - General
San Jose	Chemistry	Chemistry
San Jose	Forensic Science	Biology, Chemistry
San Jose	Humanities	Liberal Arts
San Luis Obispo	Chemistry	General, Polymers and Coatings
San Marcos	Chemistry	General, Science Education
Sonoma	Chemistry	Chemistry - General
Stanislaus	Chemistry	General

<https://www2.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx>