

**Draft Degree Roadmap for students who completed the  
Transfer AS-T degree in Chemistry  
Catalog Year 2018-19**

**SJSU Degree: BA Chemistry (with a 12 unit minor)**

The AS-T in Chemistry guarantees completion of 60 transferable units and may use the IGETC for STEM (all lower division core GE satisfied except for one course in Area C and one course in Area D. This transfer degree will meet the CHEM 1A, 1B; PHYS 50, 51; MATH 30, 31; and CHEM 112A, 112B, 113A (for content credit only) requirements at SJSU. Below is the path to the BA Chemistry (with a 12 unit minor) degree in 60 semester units with the transfer AS-T Chemistry degree:

**Note:** Any course that is prerequisite to any Chemistry Course must be passed with a grade of "C or better" (C- not accepted).

**(This roadmap has an approved P.E. waiver)**

1st Semester at SJSU	Recommended Course	Units
WST taken and passed		
Major Core: CHEM 55 and 55L	CHEM 55 and 55L	4
Major Core: CHEM 120S	CHEM 120S	1*
GE Area D	GE Area D	3
Minor course	Minor course	3
Minor course	Minor course	3
	Semester Total	14

2nd Semester at SJSU	Recommended Course	Units
SJSU Studies Area S in US History (or a different Area S if US 1 is met prior to transfer)	HIST 170S meets US 1 + Area S (if US 1 was met previously then take a different Area S course)	3*
Major Required Elective: CHEM 130A; (needed with CHEM 131B to satisfy SJSU Studies Area R)	CHEM 130A	4*
Major Core: Major 100W course, also satisfies SJSU Studies Area Z	CHEM 100W	3*
GE Area C – (request to use PHIL 133 for this requirement if US2+3 not met before transfer)	GE Area C	3
GE Area C – (request to use PHIL 133 for this requirement if US 2+3 not met before transfer)	GE Area C – (PHIL 133 by request)	3*
Major Required Upper Division Lab CHEM Elective (CHEM 131A)	CHEM 131A	2*
	Semester Total	15

3rd Semester at SJSU	Recommended Course	Units
Major Required Upper Division Lab Elective: CHEM 162L	CHEM 162L	2*
Major Core: CHEM 113B	CHEM 113B	3*
Upper Division Minor course	UD Minor Course	3*
SJSU Studies Area V in US Government & California Govt (or a different Area V if US 2+3 is met prior to transfer)	POLS 170V meets US 2+3 + Area V (if US 2+3 was met previously then take PHIL 133)	3*
Major Core: CHEM 160	CHEM 160	4*
	Semester Total	15

4th Semester at SJSU	Recommended Course	Units
SJSU Studies (needed with CHEM 130A to satisfy SJSU Studies Area R) Required CHEM Capstone: CHEM 131B	CHEM 131B	3*
Upper Division Minor course	UD Minor course	3*
Major Required Upper Division CHEM Electives - complete 6 units from: CHEM 101, 121S, 130B, 130C, 135, 145, 180, 191, 212, 213, 236, 237, 245, 250	CHEM 101, 121S, 130B, 130C, 135, 145, 180, 191, 212, 213, 236, 237, 245, 250	6*
Major Required Upper Division Lab CHEM Elective (CHEM 155)	CHEM 155	4*
	Semester Total	16

\*Notes: A minimum of 40 upper division units must be completed for degree. This roadmap is a sample pathway. Check with a major advisor regarding the most appropriate course sequence for you. 60 units minimum will be transferred with this degree, however up to 70 transfer units can be applied to the lower division and lower division free electives if articulated.