

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

SJSU Degree: BS Chemistry

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 BS Chemistry 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*
Major Prep: MATH 32 (or CHEM Electives if MATH 32 taken prior to transfer)	MATH 32	3
GE Area D (or Science Electives if GE Area D course taken prior to transfer - see advisor)	GE Area D	3
Major Prep: PHYS 52	PHYS 52	4
	Semester Total	15

2nd Semester at SJSU	Recommended Course	Units
Major Requirement: Science Elective - complete 2 units from: ASTR 117A; CHEM 114, 121S, 131A, 180, 191, 212, 213, 218, 236, 245, 250; MATH 112, 123, 129A, 133A, 138, 161A; PHYS 122, 130, 158, 160	ASTR 117A; CHEM 114, 121S, 131A, 180, 191, 212, 213, 218, 236, 245, 250; MATH 112, 123, 129A, 133A, 138, 161A; PHYS 122, 130, 158, 160	2*
Major Core: CHEM 130A	CHEM 130A	4*
Major Core: Major 100W course, also satisfies SJSU Studies Area Z	CHEM 100W	3*
Major Requirement: CHEM 101	CHEM 101	3*
GE Area C – (request to use PHIL 133 for this requirement if US2+3 not met before transfer)	GE Area C	3
	Semester Total	15

3rd 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*
SJSU Studies Area V in US Government & California (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 161A	CHEM 161A	3*
Major Core: CHEM 145	CHEM 145	3*
Major Core: CHEM 113B	CHEM 113B	3*
	Semester Total	15

4th Semester at SJSU	Recommended Course	Units
Major Requirement: CHEM 162L	CHEM 162L	2*
Major Requirement: CHEM 155	CHEM 155	4*
SJSU Studies (Area R)	SJSU Studies Area R	3*
Major Requirement: CHEM 161B	CHEM 161B	3*
Major Requirement - Capstone: CHEM 146	CHEM 146	3*
	Semester Total	15

*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.