

**Degree Roadmap for students who completed the
Transfer AS-T degree in Biology
Catalog Year 2016-17**

SJSU Degree: BS in Biological Science, Concentration Molecular Biology (with a Chemistry Minor)

The AS-T Biology guarantees completion of 60 transferable units and the STEM lower division core GE satisfied (missing one course in GE Area C and one course in GE Area D). This transfer degree will meet the BIOL 30, 31; CHEM 1A, 1B; PHYS 2A, 2B; and MATH 30 requirements at SJSU. Below is the path to the BS Biological Science, Concentration Molecular Biology degree, and a Minor in Chemistry in 60 semester units with the transfer AS-T Biology degree:

Students in this major must complete all lower division courses in the Requirements of the Major with a "C- or better" to graduate. Any course that is prerequisite to any Chemistry course must be passed with a grade of "C or better."

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

1st Semester at SJSU	Recommended Course	Units
WST taken and passed		
GE Area C - Remaining lower GE	GE Area C	3
Chem: Chem 120S	CHEM 120S	1*
Major: Biol 115 - Partially completes Area R	BIOL 115	4*
Major: Biol 155	BIOL 55	3
Chem: Chem 112A	CHEM 112A	3*
	Semester Total	14

2nd Semester at SJSU	Recommended Course	Units
GE Area D - Remaining lower GE	GE Area D	3
SJSU Studies Area S in US History (or a different Area S if US1 is met prior to transfer)	HIST 170S meets US1 + Area S (if US1 was met previously then take a different Area S course)	3*
Major 100W course, also satisfies SJSU Studies Area Z	BIOL 100W	3*
Chem: Chem 112B	CHEM 112B	3*
Chem: Chem 113A	CHEM 113A	2*
	Semester Total	14

3rd Semester at SJSU	Recommended Course	Units
Major: Biol 116	BIOL 116	3*
Major: Biol 116L	BIOL 116L	3*
Major: Biol 135A	BIOL 135A	3*
Major: Upper Division Biology Elective** - select from: Biol 105, Biol 117, Biol 123A, Biol 124, Micr 101 (2 lecture units and 2 lab units) or Micr 170	UD Biology Elective – select from list.	3-4*
SJSU Studies Area V in US Government & California Government (or a different Area V if US2+3 is met prior to transfer)	Pol 170V meets US2+3 + Area V (if US2+3 was met previously then take a different Area V course)	3*
	Semester Total	16-17

4th Semester at SJSU	Recommended Course	Units
Chem: Chem 135	CHEM 135	4*
Major: Biol 135B - Partially fulfills Area R	BIOL 135B	3*
Major: Biol 135L	BIOL 135L	2*
Major: Upper Division Biology Electives** - select from: Biol 107 (if Micr 101 taken previously), Biol 107L (if Biol 107 taken concurrently), Biol 119, Biol 123B (if Biol 123A taken previously), Biol 136, 137 (if Biol 124 taken previously), Biol 180, Biol 198, Micr 101 (2 lecture units and 2 lab units) or Micr 166	UD Biology Elective – select from list.	6-7*
	Semester Total	15-16

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.

** 9 units of Biology Electives and at least 1 unit of Biology Laboratory Electives must be completed for degree.