

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

**SJSU Degree: BS in Biological Science, Concentration Systems Physiology (with a Chemistry Minor)**

The AS-T in 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 Systems Physiology degree 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
Major: Biol 115 - Partially completes Area R	BIOL 115	4*
Chemistry Minor: CHEM 112A	CHEM 112A	3*
Major: Biol 124	BIOL 124	3*
Major: Biol 125	BIOL 125	2*
	Semester Total	15

2nd Semester at SJSU	Recommended Course	Units
GE Area D - Remaining lower GE	GE Area D	3
SJSU Studies Area V in US Government & California (or a different Area V if US2+3 is met prior to transfer)	POLS 170V meets US2+3 + Area V (if US2+3 was met previously then take a different Area V course)	3*
Chemistry Minor: CHEM 112B	CHEM 112B	3*
Chemistry Minor: CHEM 113A	CHEM 113A	2*
Major: Upper Division Biology Elective – Select 4 units from: BIOL 131, 136, 137, 168, or MICR 101.	Select 4 units of Upper Division Biology Electives	4*
	Semester Total	15

3rd Semester at SJSU	Recommended Course	Units
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*
Chemistry Minor: CHEM 120S	CHEM 120S	1*
Major: Biol 100W course, also satisfies SJSU Studies Area Z	BIOL 100W	3*
Major: Biol 55	BIOL 55	3
Major: Upper Division Biology Elective – Select 3 units from: BIOL 105, 117, 167	BIOL 105, 117 or 167	4*
	Semester Total	14

4th Semester at SJSU	Recommended Course	Units
Major: Biol 178 - Partially fulfills Area R	BIOL 178	3*
Major: Biol 135A	BIOL 135A	3*
Major: Upper Division Biology Electives – Select 10 units from: BIOL 107, 107L, 131, 135L, 136, 137, 168, MICRO 140, 140L.	Select 10 units of Upper Division Biology Electives from list	10*
	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.