

Advising Guide for TRANSFER STUDENTS majoring in Chemistry or Biochemistry – Summer 2016 Orientation

STEP ONE: Check the courses completed at a transfer institute for the degree program you have declared.

Degree	Gen. Chem with lab		Organic Chem with lab		Calculus sequence		Physics with lab		Biology with lab	
BA Chemistry	General Chemistry I (CHEM 115)	<input type="checkbox"/>	Organic Chemistry I (CHEM 233 and CHEM 234)	<input type="checkbox"/>	Calculus I (MATH 226)	<input type="checkbox"/>	General Physics I (PHYS 111 and PHYS 121)	<input type="checkbox"/>		
	General Chemistry II (CHEM 215 and CHEM 216)	<input type="checkbox"/>	Organic Chemistry II (CHEM 335 and CHEM 336)	<input type="checkbox"/>	Calculus II (MATH 227)	<input type="checkbox"/>	General Physics II (PHYS 121 and PHYS 122)	<input type="checkbox"/>		
BS Biochemistry	General Chemistry I (CHEM 115)	<input type="checkbox"/>	Organic Chemistry I (CHEM 233 and CHEM 234)	<input type="checkbox"/>	Calculus I (MATH 226)	<input type="checkbox"/>	General Physics I (PHYS 111 and PHYS 121)	<input type="checkbox"/>	Biology I (BIOL 230)	<input type="checkbox"/>
	General Chemistry II (CHEM 215 and CHEM 216)	<input type="checkbox"/>	Organic Chemistry II (CHEM 335 required, CHEM 336 an elective)	<input type="checkbox"/>	Calculus II (MATH 227)	<input type="checkbox"/>	General Physics II (PHYS 121 and PHYS 122)	<input type="checkbox"/>		
BS Chemistry	General Chemistry I (CHEM 115)	<input type="checkbox"/>	Organic Chemistry I (CHEM 233 and CHEM 234)	<input type="checkbox"/>	Calculus I (MATH 226)	<input type="checkbox"/>	Physics with Calculus I (PHYS 220 and PHYS 222)	<input type="checkbox"/>		
	General Chemistry II (CHEM 215 and CHEM 216)	<input type="checkbox"/>	Organic Chemistry II (CHEM 335 and CHEM 336)	<input type="checkbox"/>	Calculus II (MATH 227)	<input type="checkbox"/>	Physics with Calculus II (PHYS 230 and PHYS 232)	<input type="checkbox"/>		
					Calculus III* (MATH 228 or CHEM 251)	<input type="checkbox"/>	Physics with Calculus III* (PHYS 240 and PHYS 242 or CHEM 251)	<input type="checkbox"/>		

* CHEM 251 can be taken in place of Calculus III and Physics with Calculus III. It is offered FALL ONLY and must be completed before starting the physical chemistry sequence. To take CHEM 251, you must have completed Calculus II and Physics with Calculus II.

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DO YOU HAVE ANY UNCHECKED BOXES? If so, these are the course you should put a priority on taking at SFSU in the Fall semester. PLEASE NOTE – these are all high demand courses at SFSU and seats may be limited for the Fall semester. There are readiness/placement exams for CHEM 115 and Math 226. You can register for CHEM 115 and MATH 226 if there are seats available, but will be expected to take and pass a readiness/placement exam to remain enrolled in these courses.

Use this space to write down the classes that you did not check. These are your priority classes. Refer to the class descriptions in the bulletin to make sure you have the prerequisites for these courses.

IF YOU CHECKED THE BOXES FOR ALL GENERAL CHEMISTRY AND ORGANIC CHEMISTRY COURSES, you are ready to continue with upper division major courses at SFSU.

Recommended courses for each degree are provided below in order of priority. If not yet completed, finish any calculus and physics requirements as well during your first year at SFSU. Completing calculus and physics should be given a high priority, as you will not be able to take physical chemistry courses until calculus and physics courses are complete, and that will cause delays in graduation.

Recommended courses for Fall term:

BA Chem Priority 1: CHEM 325, Inorganic Chemistry
Priority 2: CHEM 340, Biochem I or CHEM 349, General Biochemistry (only one of these two courses required)
Calculus and Physics should be taken as needed.

BS Biochem: Priority 1: CHEM 340, Biochem I
Calculus and Physics should be taken as needed.

BS Chem: *Priority 1: CHEM 321, Quantitative Analysis lecture **and** CHEM 322, Quantitative Analysis lab
*/**Priority 1: CHEM 251, Physics and Mathematics for Chemistry, if you completed CALC II and PHYSICS with CALC II at a community college.
Priority 1: CHEM 325, Inorganic Chemistry

* To catch physical chemistry and be able to graduate in 4 semesters, you must take CHEM 321 and CHEM 251 in the Fall.

**If you completed Phys with Calc III and Calc III at a community college, you do not need to take CHEM 251.

SEE “Information for New TRANSFER Students Interested in Taking a Chemistry Course” to make sure your prerequisites are cleared before you register for any chemistry courses.