

CHEM B.S

Two Year Transfer Plan - student has completed all courses recommended by UC Transfer Pathway					
	UC Xfer Pway	UCSC Course #	Description	UCSC Term	Xfer Term
First two years for entering frosh	YES	MATH 11A	Calculus	1	
	YES	CHEM 1A	Gen Chem	1	
	YES	MATH 11B	Calculus	2	
	YES	CHEM 1B (M-Lab)	Gen Chem	2	
	YES	MATH 21	Linear Algebra	3	
	YES	CHEM 1C (N-Lab)	Gen Chem	3	
	YES	CHEM 8A (L-Lab)	Ochem	4	
	YES	PHYS 6A (L-Lab)	Physics	4	
	YES	CHEM 8B (M-Lab)	Ochem	5	
	YES	MATH 22	Calculus	5	
	Possibly*	CHEM 110 (L-lab)	Ochem	6	
YES	PHYS 6B (M-Lab)	Physics	6		
YEAR ONE		CHEM 163A	Physical Chem	7	1
Xfer Student	YES	PHYS 6C (N-Lab)	Physics	7	1
		CHEM 163B	Physical Chem	8	2
		CHEM 164	PChem lab	8	2
		CHEM 163C	Physical Chem	9	3
		(CHEM 110)*		9	3
YEAR TWO		CHEM 146 Lab	Upper Div Lab	10	4
Xfer Student		CHEM Elective		10	4
		CHEM 103	Biochem	11	5
In addition:		CHEM 151A (L-lab)	Inorganic/Metals	11	5
Comp Req (Sr Exit)		CHEM 146 Lab	If not taken in Fall	12	6
Thesis or Essay		CHEM Elective		12	6

RED = UCSC Major Prep/ Major Qualifications

Expected coursework - UC Transfer Pathway

General chemistry (full sequence with lab)

Organic chemistry (full sequence with lab)

Calculus-based physics (full sequence with lab)

Single variable calculus (full sequence)

Multivariable calculus (one semester course)

Differential equations (one course)

Post-Transfer: Linear algebra (one course)

* A full year Organic sequence at some Community Colleges does not articulate directly to the required full year UCSC sequence of CHEM 8A, 8B and CHEM 110. In some cases, students will be required to take CHEM 110 - Intermediate Organic Chemistry even though they have completed a full year of intro Organic Chemistry at a Community College.

Gen Ed - 11 total courses required. 2 of the required will be covered by major requirements. (MF/SI)
 If the student has completed the UC Transfer Pathway recommended courses, the above planner allows for 8 opportunities in which Gen Ed requirements may be taken to make up for those not transferable from Community College.