

CHEMISTRY ADT TO CSU EAST BAY CHEMISTRY BA CHECKLIST/ROADMAP

ADT CHEMISTRY – 60 Sem. Units	Sem. Units	Community College Courses
CSUGE or IGETC	39	<i>CSU general education certification requires completion of all requirements in Areas A through E, approximately 39 units</i>
AREA B4 REQUIREMENT MATH 210 - Single Variable Calculus I – Early Transcendentals	4	
AREA D REQUIREMENT: US History, Constitution & American Ideals Code Requirement	3-9	US-1: US-2: US-3:
Diversity/Social Justice/Sustainability <i>Can be fulfilled in area C or D</i>	3-9	DIV: SJ: SUS:
Second Composition (Comp II) Can be fulfilled with A3 Any Composition course with ENGL 100 as a prerequisite	3	
<i>The following areas are for the CID TMC/Courses and matching Community College Courses</i>		
Major Core (C-ID)	34	Community College Courses
CHEM 120S - General Chemistry for Science Majors Sequence	10	
CHEM 160S - Organic Chemistry for Science Majors	8	
PHYS 205 -Calculus-Based Physics for Scientists and Engineers: A	4	
PHYS 210 - Calculus-Based Physics for Scientists and Engineers: B	4	
MATH 220 - Single Variable Calculus II – Early Transcendentals	4	
MATH 230 - Multivariable Calculus	4	
Total Units ADT *CHEMISTRY*	60	

PLEASE NOTE: This page assumes Semester Units.

CHEMISTRY ADT TO CSU EAST BAY CHEMISTRY BA CHECKLIST/ROADMAP

<u>CSUEB: CHEMISTRY B.A.</u> Complete Degree in 60 Semester Units	Semester UNITS	NOTES
GRADUATION REQUIREMENTS These should be fulfilled at the Community College, however if not taken at the Community College, they must be completed at CSU East Bay		
US History, Constitution & American Ideals	0-9	
1) First Category US-1	0-3	
2) Second Category US-2	0-3	
3) Third Category US-3	0-3	
These courses must be taken at CSU East Bay		
Upper Division GE <i>See catalog</i>	9	CSUEB COURSES
Please note: A minimum of three courses in the Upper Division General Education pattern must have a topic/learning outcome oriented toward one of the following topic areas (overlays): Diversity, Social Justice, or Sustainability.		
Area B6 Upper Division Science course	3	Course: OVERLAY:
Area C4 Upper Division Humanities course	3	Course: OVERLAY:
Area D4 Upper Division Social Sciences course	3	Course: OVERLAY:
Lower Division Core	4	
CHEM 220 - Quantitative Analysis Units: 4		
Upper Division Core	20	
CHEM 320 - Bioanalytical & Forensic Inst. Units: 3	3	
CHEM 331 - Organic Chemistry I Units: 5	5	
CHEM 332 - Organic Chemistry II Units: 5	5	
CHEM 340 - Survey of Biochemistry Units: 3	3	
CHEM 350 - Biophysical Chemistry Units: 3	3	
CHEM 470 - Chemical Literature Units: 1	1	
Chemistry Elective	6	
CHEM 410 - Advanced Inorganic Chemistry Units: 4		
CHEM 415 - Inorganic Chemistry Laboratory Units: 2		
CHEM 420 – Instrumental Analysis Units: 3		
CHEM 425 – Environmental Chemistry Units: 4		
CHEM 430 – Advanced Organic Chemistry Units: 3		
ADDITIONAL COURSE to reach 60 Units	21	<i>These courses may be additional Major Courses or prerequisites not taken at the Community College</i>
<i>If needed</i>		
Total Semester Units at CSUEB	60	60

CHEMISTRY ADT TO CSU EAST BAY CHEMISTRY BA CHECKLIST/ROADMAP

FIRST SEMESTER JUNIOR YEAR			
APPLY for the WST BOOTCAMP and register to take the University Writing Skills Requirement			
UDGE B6	COURSE:	OVERLAY:	3
UDGE C4	COURSE:	OVERLAY:	3
CORE	CHEM 220	QUANTITATIVE ANALYSIS	4
CORE	CHEM 331	ORGANIC CHEM I	5
		<i>TOTAL:</i>	<i>15</i>
SECOND SEMESTER JUNIOR YEAR			
TAKE THE UNIVERSITY WRITING SKILLS TEST			
UDGE D4	COURSE:	OVERLAY:	3
CORE	CHEM 332	ORGANIC CHEM II	5
CORE	CHEM 340	SURVEY OF BIOCHEMISTRY	3
ELECT			3
ELECT			3
		<i>TOTAL:</i>	<i>17</i>
THIRD SEMESTER SENIOR YEAR			
Verify that you have completed the University Writing Skills Requirement. Check your MyCSUEB "Degree Audit Report" (DAR) and email any discrepancies to The ADT ADVISER.			
CORE	CHEM 350	BIOPHYSICAL CHEMISTRY	3
CORE	CHEM 320	BIOANALYTICAL & FORENSIC INSTRUMENTATION	3
MAJOR ELECT			3
ELECT			3
ELECT			3
		<i>TOTAL:</i>	<i>15</i>
FOURTH SEMESTER SENIOR YEAR			
See the ADT ADVISER and apply for graduation through MyCSUEB by the posted deadline, available at Important Dates			
CORE	CHEM 470	CHEMICAL LITERATURE	1
MAJOR ELECT			3
ELECT			3
ELECT			3
ELECT			3
		<i>TOTAL:</i>	<i>13</i>
GRAND TOTAL:			60