

# CSUEB Degree Roadmap

## Bachelor of Arts in Chemistry

		TOTAL UNITS TO DEGREE:	120
Course	Course Title	Units	
<b>First Semester (suggested timeline for GE; adjust as needed for major)</b>			
E	GS 101	Freshman Studies	1
A1			3
LD Major	CHEM 111	General Chemistry I	5
B4	MATH 130	Calculus I	4
D1/CODE			3
TOTAL:			16
<b>Second Semester (suggested timeline for GE; adjust as needed for major)</b>			
E	GS 102	Freshman Studies	1
A2			3
C1			3
LD Major	MATH 131	Calculus II	3
LD Major	CHEM 112	General Chemistry II	5
TOTAL:			15
<b>Third Semester (suggested timeline for GE; adjust as needed for major)</b>			
E	LIB 101	Information Literacy	1
A3			3
B2			3
2nd Comp			3
UD Major	CHEM 331	Organic Chemistry I	5
TOTAL:			15
<b>Fourth Semester (suggested timeline for GE; adjust as needed for major)</b>			
C2			3
UD Major	CHEM 332	Organic Chemistry II	5
LD Major	CHEM 220	Quantitative Analysis	4
elective			3
TOTAL:			15
<b>Fifth Semester (suggested timeline for GE; adjust as needed for major)</b>			
B1/B3	PHYS 125	Principles of Physics I	4
D2			3
UD Major	CHEM 340	Survey of Biochemistry	3
UD Major	GEOL 100	Earth Systems Science	4
TOTAL:			14
<b>Sixth Semester (suggested timeline for GE; adjust as needed for major)</b>			
UD Major	CHEM 320	Bioanalytical and Forensic Laboratory	3
UD Major	PHYS 126	Principles of Physics II	4
B6			3
C3			3
elective			2
TOTAL:			15
<b>Seventh Semester (suggested timeline for GE; adjust as needed for major)</b>			
Code 2			3
D3			3
UD Major	TED 301	Exploring Education	3
UD Major	CHEM 350	Biophysical Chemistry	3
elective			3
TOTAL:			15
<b>Eighth Semester</b>			
UD Major	CHEM 470	Chemical Literature	1
UD Major	CHEM 425	Environmental Chemistry	3
D4			3
C4/UD Major	PHIL 335	Philosophy of Science	3
elective			3
elective			2
TOTAL:			15

3 units Code may be double-counted with LD GE; and 3 units Writing II may be double-counted with Major.

Please enter all courses required for the major, including any prerequisites. If there are any General Education courses that are recommended to complement the major they should be included in the table below, and listed in the road map.

**General Education and University Requirements-Suggested Courses**

A1. first semester  
 A2. second semester  
 A3. third semester  
 B1. PHYS 125  
 B2. third semester  
 B3. PHYS 125  
 B4. MATH 130  
 C1. second semester  
 C2. fourth semester  
 C3. sixth semester  
 D1. first semester  
 D2. fifth semester  
 D3. seventh semester  
 E. GS 101, GS 102, LIB 101  
 Code 1. should also satisfy D1  
 Code 2. seventh semester  
 2nd Comp third semester  
 B6. sixth semester  
 C4. eighth semester  
 D4. eighth semester