Requirement Area	Course	Course Title	Prerequisites	Uni
Requirement Area	Course	First Semester	Frerequisites	J 01111
Ē	GS 101A	Foundations of Success I		
<b>A1</b>				
LD Major	CHEM 111	General Chemistry I	On a financial of all and in an Cathafa at an a	
B4	MATH 130	Calculus I	One from the following: Satisfactory score of 78 or higher on Mathematics Placement Exam, MATH 120 or MATH 125 (either course with grade C- or better).	
D1/CODE 1			Total:	
		Second Semester	Total.	
		Second Semester	I	
Ε	GS 101B	Foundations of Success II		
A2				
C1				
LD Major	MATH 131	Calculus II	MATH 130 with grade C- or better.	
LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.  Total:	
		Third Semester		
E				
A3	PHIL 100	Workshop in Critical Thinking	CHEM 112 with a value of the control	
UD Major	CHEM 331	Organic Chemistry I	CHEM 112 with grade C- or better.	
B2/LD Major	BIOL 140A	Principles of Cell and Molecular Biology		
LD Major	MATH 230	Calculus III		
			Total:	
	T	Fourth Semester	T	
Writing II	ENGL 200 or PHYS 230			
LD Major	BIOL 140B	Principles of Organismal Biology	BIOL 140A with grade C- or better.	
LD Major	CHEM 220	Quantitative Analysis	CHEM 112 with grade C- or better.	
UD Major	CHEM 332	Organic Chemistry II	CHEM 331 with grade C- or better.	
			Total:	
		Fifth Semester		
UD Major Add'l C1 or C2	BIOL 310	Genetic Analysis I	BIOL 140A.	
Add I CI OI CZ			CHEM 230 or CHEM 332, both with	
UD Major	CHEM 340	Survey of Biochemistry	grade C- or better.	
B1/B3 LD Major	PHYS 135	Physics for Scientists and Engineers I		
		Sixth Semester	Total:	<u> </u>
		Sixth Semester	CHEM 230 or CHEM 332, both with	Π
UD Major	CHEM 320	Bioanalytical and Forensic Instrumentation	The state of the s	
LD Major	PHYS 136	Physics for Scientists and Engineers II	MATH 130 and PHYS 135.	
B6/Overlay				
D2 C2		+		_
<u></u>		+	Total:	
		Seventh Semester	1	
			CHEM 332, MATH 230, PHYS 136, all	
UD Major	CHEM 351	Physical Chemistry I	with grade C- or better.	<u> </u>
UD Major elective	BIOL 415	PCR, Sequencing and Fragment Analysis	BIOL 310.	-
D3/Code 2				$\vdash$
Elective			Total:	
Elective		Eighth Semester		· ·
Elective	•		CHEM 220 CHEM 222, and DLIVE 126	
Elective			CHEM 220, CHEM 332; and PHYS 126 or	
	CHFM 420	Instrumental Analysis	PHYS 136, all with grade C- or better	
UD Major	CHEM 420 CHEM 352	Instrumental Analysis Physical Chemistry II	PHYS 136, all with grade C- or better. CHEM 351 with grade C- or better.	
Elective  UD Major  UD Major		Instrumental Analysis Physical Chemistry II		
UD Major UD Major		· · · · · · · · · · · · · · · · · · ·	CHEM 351 with grade C- or better.  Completion of GE areas A1, A2, A3 and B4	
UD Major UD Major D4/Overlay		· · · · · · · · · · · · · · · · · · ·	CHEM 351 with grade C- or better.  Completion of GE areas A1, A2, A3 and B4  Completion of GE areas A1, A2, A3 and	
UD Major		· · · · · · · · · · · · · · · · · · ·	CHEM 351 with grade C- or better.  Completion of GE areas A1, A2, A3 and B4	

Area A (	9 units): Communication in the English Language & Critical Thinking
AICA A (	(Must earn passing grade of C-/CR or better)
☐ A1. CO	MM 100 or 104, MLL 111
	GL 101, 102, or 104
☐ A3. PHI	
	Area B (9 units) : Scientific Inquiry & Quantitative Reasoning
☐ B1. Phy	vsical Science
	Science
☐ B3. Lab	oratory Activity
□ B4. Qua	antitative Reasoning (Must earn passing grade of C-/CR or better.)
Area C (9	units): Arts & Humanities - Minimum of three different disciplines a
	designated by course prefix (e.g., ART, THEA, MUS)
☐ C1. Arts	
☐ C2. Hur	<u>manities</u>
□ * ∧ .l .l····	
	onal Lower-division Area C Course in Arts (C1) or Humanities (C2)
Area D (	(9 units): Social Sciences - Minimum of three different disciplines as
□ D1.	designated by course prefix (e.g., ANTH, ECON, POSC)
□ D1. □ D2.	
□ D2. □ D3.	
<u>□ 03.</u>	Area E (3 units): Lifelong Learning and Self-Development
□ E.	Theat (5 and 5): Enclong Ecanning and 5ch Development
	Composition : Requires completion of GE A2 with a C-/CR or better.
	Must be completed before attaining junior standing.
□ Writing	
	University Writing Skills Requirement
□ UWSR.	Writing Skills Test (WST) or First and/or Second Tier Courses
U.S. Code	(American Institutions Requirement) - Two courses (6 units) covering
three U.S	S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution)
	and US-3 (California State & Local Government).
☐ Code 1.	
☐ Code 2.	
Upper Div	vision GE Requirements (9 units): Should be taken after completion of
	A1, A2, A3, and B4 with a C- (CR)
	per-division Science Inquiry and Quantitative Reasoning
	er-division Arts OR Humanities
	per-division Social Sciences
Overlay I	Requirements (9 units): Courses may be upper or lower division, and GE or major
□ Diversit	·
Casial I	ustice (SJ)
□ 20ciai 1	ustice (3)