Requirement Area	Course	Course Title	Prorequisites	Units
Requirement Area	Course	First Semester (FALL)	Prerequisites	Units
E	BIOL 130	Connecting to Biology		2
A1	COMM 100	Communication		3
B4/LD Major	MATH 120	Precalculus		3
C1		Arts		3
D1/Code 1		Social Science/US Code		3
			Total:	14
	S	iecond Semester (SPRING)		
E		Lifelong Learning and Self-Development		1
A2		Written Communication		3
A3		Critical Thinking		3
C2		Humanities		3
B2/LD Major	BIOL 140A	Principles of Cell and Molecular Biology		5
	-	Third Competer (FALL)	Total:	15
		Third Semester (FALL)	BIOL 140A with grade C-	
LD Major	BIOL 140B	Principles of Organismal Biology	or better.	5
Sustainability Overlay/LD				
Major	GEOL 100	Earth Systems Science		4
B1/LD Major	CHEM 111	General Chemistry I		3
B3/LD Major	CHEM 111L	General Chemistry Lab I		2
UD Major	TED 301	Exploring Education		3
			Total:	17
		Fourth Semester (SPRING)		
			CHEM 111 with grade C-	
B3/LD Major	CHEM 112	General Chemistry II	or better.	5
LD Major	PHYS 115	Elementary Physics		3
,			Completion of GE area	
UD Major	STAT 303	Statistics for Biology	B4.	3
Second Composition	ENGL 200 or PHYS 230			3
			Total:	14
		Fifth Semester (FALL)	TOLAI:	14
			CHEM 112 with grade C-	
UD Major	CHEM 230	Survey of Organic Chemistry	or better.	5
			BIOL 140B with grade C-	
UD Major	BIOL 370	Animal Physiology	or better and CHEM 112.	4
UD-C/Major Concentration	PHIL 371	Concentration	Completion of GE areas A1, A2, A3 and B4.	3
		Ethnic Studies	/(1,/(2,/)); o dild b ii	3
F				
F			Total:	15
F		Sixth Semester (SPRING)	Total:	15
F Add'l C1 or C2*			Total:	
Add'l C1 or C2*		Sixth Semester (SPRING) Arts or Humanities	BIOL 140B with a grade	3
	BIOL 310	Sixth Semester (SPRING)	BIOL 140B with a grade of C- or better.	3
Add'l C1 or C2* UD Major		Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115,	3
Add'l C1 or C2* UD Major UD Major	BIOL 310 BIOL 350	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology	BIOL 140B with a grade of C- or better.	3
Add'l C1 or C2* UD Major		Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115,	3
Add'l C1 or C2* UD Major UD Major		Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115,	15 3 4 4 3
Add'l C1 or C2* UD Major UD Major	BIOL 350	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303.	3 4 4 3
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2	BIOL 350	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303.	3 4 4 3 14 3
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2 UD-C/Overlay	BIOL 350	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total:	3 4 4 3 3 14 14 3 3 3
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major	BIOL 350 BIOL 330	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B.	3 4 4 3 3 14 14 3 3 3 5
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major	BIOL 350	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total:	3 4 4 3 3 14 3 3 3 3 5 5 1
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major	BIOL 350 BIOL 330	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. BIOL 140B. Department consent.	3 4 4 3 3 14 3 3 3 5 5 1 1 3
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B.	3 4 4 3 3 14 3 3 3 5 5 1 1 3
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. BIOL 140B. Department consent. Total:	3 4 4 3 3 14 3 3 3 5 5 1 1 3
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major UD Major/Elective 1	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING)	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. Department consent. Total: Completion of GE areas	3 4 3 3 3 3 3 5 5 1 1 3 3 15
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. BIOL 140B. Department consent. Total:	3 4 3 3 3 3 3 5 5 1 1 3 3 15
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major UD Major/Elective 1	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING)	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. Department consent. Total: Completion of GE areas A1, A2, A3 and B4.	3 4 4 3 3 3 3 5 1 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major UD Major UD Major/Elective 1 UD-B/Overlay UD-D/Overlay	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING) UD Science UD Social Science	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. Department consent. Total: Completion of GE areas A1, A2, A3 and B4. Completion of GE areas A1, A2, A3 and B4.	3 4 3 3 3 3 3 5 5 1 1 3 3 3 3 3 3 3 3 3 3 3
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major UD Major/Elective 1 UD-B/Overlay UD-B/Overlay UD-D/Overlay UD-D/Overlay	BIOL 350 BIOL 350 BIOL 330 SCI 308 BIOL 320	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING) UD Science UD Social Science Evolutionary Biology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. BIOL 140B. Department consent. Total: Completion of GE areas A1, A2, A3 and B4. Completion of GE areas	3 4 3 14 3 3 3 5 5 14 3 3 15 5 3 15 3 3 15 3 3 3 3 3 3 3 3 3
Add'l C1 or C2* UD Major UD Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major/Elective 1 UD-B/Overlay UD-B/Overlay UD-D/Overlay UD-D/Overlay UD Major	BIOL 350 BIOL 330 SCI 308	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING) UD Science UD Social Science	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. Department consent. Total: Completion of GE areas A1, A2, A3 and B4. Completion of GE areas A1, A2, A3 and B4.	4 4 3 14 3 3 5 5 1 1 3 3 3 3 3 3 4 3 4
Add'l C1 or C2* UD Major UW Major UWR D2/Code 2 UD-C/Overlay UD Major UD Major UD Major/Elective 1 UD-B/Overlay UD-B/Overlay UD-D/Overlay UD-D/Overlay	BIOL 350 BIOL 350 BIOL 330 SCI 308 BIOL 320	Sixth Semester (SPRING) Arts or Humanities Genetic Anallysis I Ecology US Code Seventh Semester (FALL) Social Science UD Arts or Humanities General Microbiology Hands On Science Teaching Eighth Semester (SPRING) UD Science UD Social Science Evolutionary Biology	BIOL 140B with a grade of C- or better. BIOL 140B, MATH 115, STAT 303. Total: BIOL 140B. Department consent. Total: Completion of GE areas A1, A2, A3 and B4. Completion of GE areas A1, A2, A3 and B4.	3 4 4 3

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

Revised: 5/31/2024

CSUEB General Breadth and Graduation Requirement Checklist Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better) A1. COMM 100 or 104, MLL 111 A2. ENGL 101, 102, or 104 A3. PHIL 100 Area B (9 units) : Scientific Inquiry & Quantitative Reasoning B1. Physical Science B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C2. Humanities Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1. D2.
(Must earn passing grade of C-/CR or better) A1. COMM 100 or 104, MLL 111 A2. ENGL 101, 102, or 104 A3. PHIL 100 Area B (9 units) : Scientific Inquiry & Quantitative Reasoning B1. Physical Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C2. Humanities Arts C4. Humanities Arts C4. Mumanities Arts C5. Arts C5
A2. ENGL 101, 102, or 104 A3. PHIL 100 Area B (9 units): Scientific Inquiry & Quantitative Reasoning B1. Physical Science B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities Ardditional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units): Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
Area B (9 units) : Scientific Inquiry & Quantitative Reasoning B1. Physical Science B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities Arditional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
Area B (9 units) : Scientific Inquiry & Quantitative Reasoning B1. Physical Science B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units): Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
B1. Physical Science B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units): Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
B2. Life Science B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units): Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
B3. Laboratory Activity B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units): Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
 B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.) Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
Area C (9 units): Arts & Humanities - Minimum of two different disciplines as designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
designated by course prefix (e.g., ART, THEA, MUS) C1. Arts C2. Humanities Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
 C2. Humanities *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
Additional Lower-division Area C Course in Arts (C1) or Humanities (C2) Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
Area D (6 units) : Social Sciences - Minimum of two different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC) D1.
□ D1.
L D2.
Area E (3 units) : Lifelong Learning and Self-Development
E.
Area F (3 units): Ethnic Studies
Second Composition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.
Second Composition
University Writing Requirement
UWR
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).
constitution, and 03-3 (camorna state & Locar dovernment).
Code 1.
Code 2.
Upper Division GE Requirements (9 units): Should be taken after completion
of A1, A2, A3, and B4 with a C- (CR)
UD-B. Upper-division Science Inquiry and Quantitative Reasoning
UD-C.Upper-division Arts OR Humanities
UD-D. Upper-division Social Sciences
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div)
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ)
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ) Sustainability (S)
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ)
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ) Sustainability (S) Biology Education Concentration
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (S) Social Justice (S) Biology Education Concentration Teacher Education and Statistics
UD-D. Upper-division Social Sciences UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ) Social Justice (SJ) Sustainability (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is
UD-D. Upper-division Social Sciences UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SI) Sustainability (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (S) Sustainability (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHL 371 unit Satisfy CE Area C PHIL 371 - Philosophy of Education Units: 3 ; G.E./G.R. Area: UD-C
UD-D. Upper-division Social Sciences Verlay Requirements (9 units): Courses may be upper or lower division, and GE or major Social Justice (SJ) Social Justice (SJ) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - will satisfy GE Area C SCI 308 - Hands-On Science Teaching Units: 1
UD-D. Upper-division Social Sciences Verlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SJ) Sustainability (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 3 (S.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and
UD-D. Upper-division Social Sciences Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (S) Social Justice (S) Sustainability (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 3 ; G.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 Concentration Electives Concentration Electives
UD-D. Upper-division Social Sciences Verlay Requirements (9 units): Courses may be upper or lower division, and GE or major Social Justice (SJ) Social Justice (SJ) Social Justice (SJ) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 TED 301 - Introduction to Education Units: 3 Concentration Electives Choose one (1) of the following for 3-4 units:
UD-D. Upper-division Social Sciences UD-D. Upper-division Social Sciences Ucerlay Requirements (9 units): Courses may be upper or lower division, and GE or major Diversity (Div) Social Justice (SI) Social Justice (SI) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 3 (S.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 TED 301 - Introduction to Education Units: 3 Concentration Electives Choose one (1) of the following for 3-4 units: BIOL 426 - Advanced Molecular and Cell Biology Units: 3
UD-D. Upper-division Social Sciences Uverlay Requirements (9 units): Courses may be upper or lower division, and GE or major Social Justice (3) Social Justice (3) Social Justice (3) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 3 ; G.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 TED 301 - Introduction to Education Units: 3 Concentration Electives Choose one (1) of the following for 3-4 units: BIOL 430 - Microbial Physiology and Metabolism Units: 3 BIOL 430 - Microbial Physiology Units: 4
UD-D. Upper-division Social Sciences Uverlay Requirements (9 units): Courses may be upper or lower division, and GE or major Social Justice (SI) Social Justice (SI) Social Justice (SI) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 will satisfy GE Area C PHIL 371 - Philosophy of Education Units: 3 ; G.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 TED 301 - Introduction to Education Units: 3 Concentration Electives Choose one (1) of the following for 3-4 units: BIOL 430 - Microbial Physiology and Metabolism Units: 3 BIOL 430 - Microbial Physiology and Metabolism Units: 3 BIOL 469 - Conservation Biology Units: 4
UD-D. Upper-division Social Sciences Uverlay Requirements (9 units): Courses may be upper or lower division, and GE or major Social Justice (S) Social Justice (S) Social Justice (S) Biology Education Concentration Teacher Education and Statistics The following 10 units of interdisciplinary upper-division coursework is required: Note: PHIL 371 utili Satisfy CE Area C PHIL 371 - Philosophy of Education Units: 3 ; G.E./G.R. Area: UD-C SCI 308 - Hands-On Science Teaching Units: 1 STAT 303 - Statistical Methods in Biology Units: 3 Concentration Electives Choose one (1) of the following for 3-4 units: BIOL 430 - Alkroneid Molecular and Cell Biology Units: 3 BIOL 430 - Microbial Physiology and Metabolism Units: 3
UD-D. Upper-division Social Sciences Verlay Requirements (9 units): Courses may be upper or lower division, and

*Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)