

Transfer advisement sheet from East Los Angeles College to California State University, Los Angeles  
**Natural Science Program Bachelor of Science Degree**  
 Option II – Blended Degree

Student Name: \_\_\_\_\_

Phone: \_\_\_\_\_

CIN: \_\_\_\_\_

Email Address: \_\_\_\_\_

CSULA course	CSULA course title	Qtr. Units	ELAC course	Sem. units	Grade
<b>University Requirements (6 units)</b>					
ENGL 102	Composition II	4	ENGLISH 103		
NSS 301	Transition to CSULA	2			
UNIV 400	WPE	0			
<b>Block A. GE Basic Subjects (12 units)</b>					
ENGL 101	Composition I	4	ENGLISH 101		
COMM 150	Oral Communication	4	SPEECH 101		
PHIL 160	Critical Thinking	4	PHILOS 6		
MATH	<b>Met within NS BS Core</b>				
<b>American Institutions (8 units)</b>					
HIST 202A	US Civilization	4	HISTORY 11		
POLS 150	Govt. & Amer. Society	4	POL SCI 1		
<b>Block B. Natural Sciences (8 units) – Met within NS BS Core</b>					
<b>Block C. GE Humanities (12 units)</b>					
<b>Block D. GE Social Sciences (12 units)</b>					
PSY 150	Intro. Psychology	4	PSYCH 1		
<b>Block E. Lifelong Understanding (4 units)</b>					
<b>Block F. Upper Division Theme (12 units) – Block: A, B, C, D, E, F, G, H, or I at CSULA</b>					
<b>Diversity Requirement (2 courses)</b>					

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<b>NS BS Core Requirements (68 or 71 units)</b>					
ASTR 151	Principles of Astronomy	3	ASTRON 1		
ASTR 152	Principles of Astronomy Lab	1			
BIOL 100A	Intro Biology I	5	BIOLOGY 6 for 100A, BIOLOGY 7 for 100B, or BIOLOGY 6&7 = 100ABC		
BIOL 100B	Intro Biology II	5			
BIOL 100C	Intro Biology III	5			
CHEM 101	General Chemistry I	5	CHEM 101 for 101, or CHEM 101&102 = 101-103		
CHEM 102	General Chemistry II	5			
CHEM 103	General Chemistry III	5			
GEOL 150	Earth Revealed	4	GEOLOGY 1&6 or GEOLOGY 4		
GEOL 155	Oceanography	4			
GEOL 252	Historical Geology	4			
MATH 206	Calculus I	4	MATH 261		
MATH 207	Calculus II	4	MATH 262		
NS 398	Field Obs. in Sci. Ed.	2			
PHYS 101	Physics	4	PHYSICS 6 for 101 or 102, PHYSICS 7 for 103, or PHYSICS 6&7 for 101-103		
PHYS 102	Physics	4			
PHYS 103	Physics	4			
<b>Physics Emphasis requires 211-213 in place of 101-103</b>					
PHYS 211	Mechanics	5	PHYSICS 101 for 211, or PHYSICS 101-103 for 211-214		
PHYS 212	Waves, Optics, & Thermodynamics	5			
PHYS 213	Electricity & Magnetism	5			
<b>Capstone Courses (6 units)</b>					
NS 496A	NS Field Studies and Pedagogy	3			
NS 496B	NS Field Studies and Pedagogy	3			

Choose one emphasis area from among Biology, Chemistry, Geology, and Physics.

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<b>Biology Emphasis (32 units)</b>					
BIOL 300	Biometrics	4			
BIOL 340	General Genetics	4			
BIOL 360	General Ecology	4			
BIOL 380	Cell Biology	4			
BIOL 418	Evolution	4			
CHEM 301A	Organic Chemistry	3			
MICRO 300	General Microbiology	5			
<b>Upper Division Writing Requirement</b>					
BIOL 320	Writing for Biologists	4			
<b>Chemistry Emphasis (31 units)</b>					
CHEM 201	Quantitative Analysis	5	CHEM 201		
CHEM 301A	Organic Chemistry	3			
CHEM 301B	Organic Chemistry	3			
CHEM 301C	Organic Chemistry	3			
CHEM 302A	Organic Chemistry Lab	2			
CHEM 318	Introduction to Inorganic Chemistry	3			
CHEM 411	Fundamentals of Physical Chemistry	4			
CHEM 435	Introduction to Biochemistry	4			
<b>Upper Division Writing Requirement</b>					
CHEM 360	Writing for Chemists	4			
<b>Geology Emphasis (30 units)</b>					
GEOG 268	Microcomputer Analysis in Geography	4	none currently		
GEOG 410	Applied Climatology	4			
GEOL 201	Minerology	4	none currently		
GEOL 203	Introductory Petrology	2	none currently		
GEOL 321	Geology of Southern Calif	4			
GEOL 357	Urban Geology	4			
GEOL 435	Coastal Processes & Environments	4			
<b>Upper Division Writing Requirement</b>					
BIOL 320	Writing for Biologists	4			
<b>Physics Emphasis (28 units) (continued on next page)</b>					
MATH 208	Calculus III	4	MATH 263 for both		
MATH 209	Calculus IV	4			
PHYS 214	Modern Physics	4	PHYSICS 4		
PHYS 306	Modern Physics	4			
<b>Physics Emphasis (28 units) (continued from previous page)</b>					
<b>Physics Electives (8 units) Upper Division and at least one lab course</b>					


**Upper Division Writing Requirement**

CHEM 360	Writing for Chemists	4			
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CSULA course	CSULA course title	Qtr. units	ELAC course	Sem. units	Grade
<b>Professional Education Courses (31 units)</b>					
EDCI 300	The Teaching Profession: Preparing the Urban Educator	2			
EDFN 440	Schooling for Diverse, Urban Society	4			
EDSE 401	Instructional Strategies in Secondary Teaching	4			
EDSE 415	Classroom Management in Secondary Schools	4			
EDSE 423	Literacy in Middle and High School Content Classrooms	4			
EDSE 430	Using ESL Techniques in the Content Areas	4			
EDSE 445A	Proseminar: Learning Environments and Instruction in Secondary Schools	4			
EDSP 400	Foundations in Special Education	4			
HS 457	Health Studies on Alcohol, Narcotics, Nutrition, and Tobacco	1			
<b>Directed Teaching Requirement (12 units) Completed as Post-Baccalaureate</b>					
EDSE 445C	Directed Teaching in Secondary Schools	10			
EDSE 445D	Proseminar: Assessment of Teaching Performance	2			