

- **Elementary Education Emphasis and Math Focus (59-60 units) Table 1-5 and 7**
or
- **Math Emphasis (62 units) Table 1-6**

Table 1: Core Subject Area - Liberal Studies (4 units total)

CODE	COURSE INFORMATION	Term	Grade
Pre-major or Major	Introduction to Liberal Studies (3 units) LS 300 (field experience required) (prerequisite – ED 200)		
Major only	Assessment in Liberal Studies (1 unit) LS 498 (prerequisite: LS 300)		

Table 2: Core Subject Area - Math and Science (10 units total)

CODE	COURSE INFORMATION	Term	Grade
Major only	Topics: Statistics and Probability in Elementary Math (3 units) Math 312 (prerequisite – LS Math Proficiency Assessment)		
Major only	Topics: Algebra of Change in Elementary Math (3 units) Math 313 (prerequisite – LS Math Proficiency Assessment)		
Major only	Processes and Inquiry in the Physical Sciences (4 units) PHYS 412		

Table 3: Core Subject Area - Social and Behavioral Science (3 units total)

CODE	COURSE INFORMATION	Term	Grade
Pre-major or Major	Linguistics and English (3 units) LING 420		

Table 4: Core Subject Area - Humanities (18 units total)

CODE	COURSE INFORMATION	Term	Grade
Major only	Children’s Literature (3 units) ENGL 306A (<i>must</i> be taken concurrently with ENGL 306W)		
Major only	Advanced Composition (3 units – grade of “C” or better satisfies GWAR) ENGL 306W (<i>must</i> be taken concurrently with ENGL 306A)		
Pre-major or Major	United States History for Teachers (3 units) HIST 413 (prerequisite: WPA score of 8 <i>or</i> RWS 280/281 with a “C” or better)		
Major only	World History (3 units) HIST 411		
Pre-major or Major	Visual/Performing Arts or Education - choose <i>one course</i> from the following list: Art 387 or Music 343 or *Education 451/SPED 527 (SPED 527 by petition)		
Pre-major or Major	Visual/Performing Arts or Education - choose <i>a second course</i> from the following list: Art 387 or Music 343 or *Education 451/SPED 527 (SPED 527 by petition)		

*only one ED/SPED class, not both, can be used in these areas [NOTE: SPED 500 is pre/co-requisite for SPED 527]

Table 5: Math Focus Classes (18 units total)

CODE	COURSE INFORMATION	Term	Grade
Pre-major or Major	Physical Science [Physics & Chemistry] (3 units) Natural Science100 [NOTE: this class is included in the lower division sequence, not the upper division]	Spring	
Pre-major or Major	Grammar & Usage for Writers [required <i>only</i> for students who score <i>below</i> 8 on the WPA] (3 units) LING 253/RWS 253 (same class cross listed)		
Pre-major or Major	Pre-calculus (choose <i>one</i> class – 3 units) MATH 141		
Pre-major or Major	Transition to Higher Math (choose <i>one</i> class – 3 units) MATH 302 [prerequisite – MATH 141]		
Pre-major or Major	Math for the Middle Grades (3 units) MATH 413	Spring	
Pre-major or Major	Statistics or Topics in Math (choose <i>one</i> class – 3 units) STAT 250 [preferred over STAT 119]		

Table 6: Option 5: Math Emphasis for Introductory Subject Matter Authorization (ISMA) in Math (8-9 units)

CODE	COURSE INFORMATION	Term	Grade
Pre-major or Major	Calculus (3-4 units) Math 150 (prerequisite Math 141)		
Pre-major or Major	Mathematics Software Workshop (1 unit) Math 241		
Pre-major or Major	History of Mathematics (3 units) Math 303 (preferred prerequisite Math 141)		
Pre-major or Major	Field Experience in Mathematics (1 unit) TE 211A	Fall	

Table 7: Options 1-5 (6-7 units) See reverse for choices.

	COURSE INFORMATION	Term	Grade

Underlined upper division classes are *not* open to Liberal Studies *pre*-majors. Footnotes in the *Class Schedule* contain information on enrollment restrictions for courses – please read them carefully when searching for classes.

Table 8: Suggested Upper Division Course Sequence - Junior Year

Junior Semester I	Units	Junior Semester II	Units
Intro. to Liberal Studies: LS 300 (field experience)	3	Statistics & Probability: Math 312	3
World History for Teachers: HIST 411	3	Topics in Elementary Math: Math 313	3
*Visual/Performing Arts or Education	3	Introduction to Linguistics: LING 420	3
Pre-calculus: Math 141	3	Option Class [see below]	3
Grammar/Usage: LING/RWS 253 (if required)	0-3	Natural Science 100 (Spring)	3
or			3
*Statistics (if LING/RWS 253 is waived)	0-3	***remember international experience***	
	15		15

*See reverse for choices.

Table 9: Suggested Upper Division Course Sequence - Senior Year

Senior Semester I	Units	Senior Semester II	Units
Senior Assessment: <u>LS 498</u> (CR/NC only)	1	Processes & Inquiry in Physics: <u>PHYS 412</u>	4
Children's Literature: <u>English 306A</u>	3	*Visual/Performing Arts or Education	3
and		American History for Teachers: History 413	3
Advanced Composition: <u>English 306W</u>	3	Math for Middle Grades: Math 413 (Spring)	3
Transition to Higher Math: Math 302	3	Option Class [see below]	3
Statistics or Topics in Math: STAT 250			
Option Class [see below]	3		
	16		16

*See reverse for choices.

Options within the Math Focus (6-8 units each)

Option 1: Linguistics (leads to TESL certificate) – 6 units

LING 550 (3) and LING 555 *or* LING 556 (3)

Option 2: Bilingual credential preparation – 7 units

DLE 415 (4) and SPAN 302 *or* 381 *or* 382 (3)

Option 3: Special Education credential preparation – 7 units

SPED 500 (3) and SPED 501 (3) and SPED 502 (1)

Option 4: Performing Arts – 6 units

THEA 310 or 315 (3) *and*

AFRAS 385 (3) *or* CCS 310 (3) *or* MUSIC 345 *or* MUSIC 351 (3)

Option 5: Additional Math for Introductory Subject Matter Authorization (8 units)

Use your own discretion when choosing the classes for the slots above [**option class**].

Math 150 (3), Math 241 (1), Math 303 (3), TE 211A (1).

Must earn a "C" or better in each course for the ISMA in Math. Math classes taken during study abroad cannot be used for the ISMA.

Liberal Studies with a Math Emphasis and Teaching Math at the Middle School or Higher Level

Students with a keen interest in mathematics and the possibility of teaching middle school or even higher level mathematics should consider changing to the Liberal Studies Mathematics Emphasis. See adviser for more information.

Credential Program Testing Requirements and Prerequisite Courses

- All multiple subject credential programs in California require both **CBEST** and **CSET**
- SDSU's credential programs have additional course prerequisites. Please consult the Liberal Studies website for more information. Credential advisers in EBA 259.