

Liberal Studies

IN THE COLLEGE OF EDUCATION

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Faculty

Faculty assigned to teach liberal studies courses are drawn from the colleges at San Diego State University.

Emeritus: Roeder, P.

Program Director: Virginia Loh-Hagan, Ed.D.

Offered by the School of Teacher Education

Major in liberal studies with the B.A. degree in applied arts and sciences.

Emphasis in education-generalist.

Emphasis in elementary education.

Emphasis in integrated teacher education program (ITEP-MS).

Emphasis in mathematics.

Emphasis in science.

The Major

The liberal studies major is designed for students who intend to teach at the elementary or middle school levels. Individuals learn to think critically, analyze evidence thoughtfully, and write clearly and effectively. Graduates develop a rich understanding of the major subject areas, including why and how practitioners create new knowledge. They learn to identify and understand the developmental stages of children and to observe, interview, and tutor children effectively in classroom settings.

Many of the lower and upper division core courses are specifically designed for future teachers, including children's literature, linguistics, history, mathematics, science, visual and performing arts, physical education of children, and child development. The content covered in these courses closely matches the content that teachers will ultimately have to teach in the schools as well as the content assessed by the California Subject Examination for Teachers Multiple Subject (CSET-MS) examination.

Throughout the first three years, students work on critical thinking, research, and writing skills. During their second or third semester, they take Education 200, Teaching as a Profession. In this course, they complete 45 hours of fieldwork during which they critically assess issues related to teaching in culturally and linguistically diverse school settings, learn about career paths, and evaluate their occupational fitness for the teaching profession. During their junior year, students take Liberal Studies 300, Introduction to Liberal Studies, where they complete an additional 30 hours of fieldwork. They focus both on the nature of the disciplines—goals, processes, and evaluation—as well as how the knowledge being learned will ultimately be used in the classroom. During their senior year, students complete Liberal Studies 498, Assessment in Liberal Studies. This course supports students as they complete their capstone projects. These interdisciplinary courses plus the core subject matter courses provide a strong foundation for students' future careers.

Emphasis in Education-Generalist. This emphasis, designed to prepare students for teaching in elementary schools, is available only for transfer students who complete the California Community College Associate in Arts in Elementary Teacher Education (AA-T) degree and complete the Transfer Model Curriculum (TMC) for Liberal Studies/Integrated Teacher Education. Students choose a literacy, mathematics, or science focus; no option is required.

Students who choose the literacy focus in this emphasis complete the 32 units and specific coursework required to earn a Middle School Subject Matter Authorization in English, provided they earn a grade of C (2.0) or better in each course. When coupled with a multiple subject credential, this authorization allows individuals to teach elementary school or English in middle school if they so desire.

Students intending to transfer to liberal studies from local community colleges are strongly encouraged to use electives to complete courses equivalent to Exercise and Nutritional Sciences 241A, 241B; Mathematics 211; Mathematics Education 212; and Music 102, so that they will have elective units available if they wish to pursue a career option that requires additional coursework or prerequisites. Transfer students should not take focus or option courses prior to matriculating at San Diego State University.

Emphasis in Elementary Education. This emphasis is designed primarily for students who wish to teach at the elementary school level or pursue a career that requires an interdisciplinary liberal arts degree. Students complete both a focus and an option. The 18-21 unit focus provides an opportunity for students to explore the habits of mind and methods used in a chosen subject area as they develop both their depth and breadth of knowledge and experience. Three foci are available: literacy, mathematics, and science. The six to seven unit option helps students (a) earn the Basic Certificate in Teaching English as a Second or Foreign Language (when paired with a literacy), (b) begin preparation for the SDSU bilingual or special education credential programs, or (c) further explore the performing arts. This emphasis provides the greatest flexibility in meeting specific career goals or pursuing a variety of interests.

Students who choose the literacy focus develop depth in linguistics, literature, and theatre. The focus is designed so that they also complete the 32 units and specific coursework required to earn a Middle School Subject Matter Authorization in English, provided they earn a grade of C (2.0) or better in each course. When coupled with a multiple subject credential, this authorization allows individuals to teach English in middle school if they so desire.

Students who choose the mathematics or science focus learn to think like mathematicians or scientists as they build breadth and depth in their subject area. Once they have completed some of the coursework in their focus, they need to choose whether to take additional math or science courses or to complete one of the options described above. If they choose to take additional mathematics or science courses, they can qualify to teach middle school as described below under the mathematics or science emphases.

Emphasis in Integrated Teacher Education Program (ITEP-MS)

The liberal studies major with an emphasis in integrated teacher education program (ITEP-MS) is designed primarily for students who wish to teach at the elementary school level. This program integrates the study of interdisciplinary liberal arts courses with professional preparation courses and field experiences leading to a Preliminary Multiple Subject Teaching Credential. Successful completion of the liberal studies major with an emphasis in integrated teacher education program (ITEP-MS) includes both a Bachelor of Arts degree in Applied Arts and Sciences and a Preliminary Multiple Subject Teaching Credential. This program includes subject matter in arts, English, humanities, mathematics, pedagogy, science, social sciences, and student teaching. Students are required to fulfill the international experience requirement and may participate in faculty-led travel abroad opportunities during spring break or summer. In addition, students will register in Education 450 for one unit. The emphasis combines the degree and credential into a 131 unit, eight semester, four year integrated teacher education program. Upon completion of the program, students satisfy requirements set forth by the California Commission on Teacher Credentialing (CTC).

Emphasis in Mathematics. The demand for mathematics teachers continues to be high. Students complete the focus in mathematics described above plus a nine unit option in mathematics, which provide the 32 units and specific coursework required to earn a Middle School Subject Matter Authorization in mathematics, provided they earn a grade of C (2.0) or better in each course. When coupled with a multiple subject credential, this authorization allows individuals to teach mathematics in middle school if they so desire.

If students wish to further enhance their employability, they may attempt to pass the two CSET examinations—110 on algebra and 111 on geometry—required for a Foundational Level Mathematics certification. Graduates who pass these tests may choose to earn a multiple subject credential and add a single subject authorization by taking the extra, single subject mathematics methods course, Teacher Education 914. Those whose sole goal is to teach middle school, however, may choose to do the regular single subject credential program, which gives them the advantage of doing their student teaching in a middle school or high school class. A single subject credential in Foundational Level Mathematics qualifies individuals to teach general mathematics, algebra, geometry, probability and statistics, and consumer mathematics at the middle school or high school level.

Emphasis in Science. The demand for middle school science teachers also continues to be high. Students complete the focus in science described above plus a seven to nine unit option in science, which provide the 32 units and specific coursework required to earn a Middle School Subject Matter Authorization in science provided they earn a grade of C (2.0) or better in each course. When coupled with a multiple subject credential, this authorization allows individuals to teach science in middle school if they so desire.

With proper selection of courses (Biology 101, 101L; Chemistry 200; and Physics 180A, 182A) and completion of a portfolio, this emphasis also leads to a Foundational Level General Science certification. This program was approved by the Commission on Teacher Credentialing in October 2011. Thus, students satisfy subject matter competency; they do not have to pass the CSET science tests—118 on earth science and physics and 119 on life science and chemistry. For maximum employability, graduates may choose to earn a multiple subject credential and add a single subject authorization by taking the extra single subject science methods course, Teacher Education 914. Graduates whose sole goal is to teach middle school, however, may choose to do the regular single subject credential program, which gives them the advantage of doing their student teaching in a sixth, seventh, or eighth grade classroom.

Advising

Advising is extremely important because students must make numerous decisions that include choosing their emphasis, focus, and option; selecting appropriate courses; and preparing for the senior-level assessments. See the website for current information, advising procedures, and e-mail questions. Information about SDSU credential programs and financial aid opportunities is available at the College of Education, Office of Student Services, EBA-259, 619-594-6320, and in the *Graduate Bulletin*.

Retention Policy

The liberal studies program expects that all majors will make reasonable academic progress towards the degree. Liberal studies premajors who have completed major preparatory courses, earned 60 units, but have less than a 2.7 may be removed from the premajor and placed in undeclared.

Impacted Program

The liberal studies major is an impacted program. To be admitted to the liberal studies major with an emphasis in elementary education, integrated teacher education program (ITEP-SS), mathematics, or science, students must meet the following criteria:

- Complete a minimum of 60 transferable semester units;
- Have a cumulative GPA of 2.70 or better;
- Complete all courses listed in Preparation for the Major sections for the liberal studies major;
- Complete with a grade of C (2.0) or better: a certified Area AI Oral Communication course; a certified Area A3 Critical Thinking course; Exercise and Nutritional Sciences 241A and 241B; and Mathematics 210 and 211. These courses cannot be taken for credit/no credit (Cr/NC);
- Earn a passing score on the SDSU Liberal Studies Mathematics Proficiency Assessment;
- Declare the liberal studies major by following the procedures explained on the website.

To complete the major, students must fulfill the degree requirements for the major and emphasis described in the catalog in effect at the time they are accepted into the premajor at SDSU (assuming continuous enrollment).

To be admitted to the liberal studies major with an emphasis in Education-Generalist, students must complete the Transfer Model Curriculum (TMC) for Liberal Studies and satisfy criteria "a" and "b."

Major Academic Plans (MAPs)

Visit <http://www.sdsu.edu/mymap> for the recommended courses needed to fulfill your major requirements. The MAPs website was created to help students navigate the course requirements for their majors and to identify which General Education course will also fulfill a major preparation course requirement.

Liberal Studies Major

With the B.A. Degree in Applied Arts and Sciences

(Major Code: 49012)

All candidates for a degree in applied arts and sciences must complete the graduation requirements listed in the section of this catalog on "Graduation Requirements."

Completion of the liberal studies major fulfills General Education requirements.

A minor is not required for this major.

International Experience Requirement. In recognition of the increasing globalization in all sectors of world society, the Liberal Studies International Experience has been established. Students participate in designated, pre-approved study abroad experiences in a different country. Options include a variety of short term and semester formats designed to meet the needs of different students, including those with family and work responsibilities. The purpose of the experience is to increase student awareness of cross-cultural and global issues – issues that are critical to their development as future teachers and citizens in a complex, rapidly changing world. All liberal studies majors are required to participate in an international experience approved by the program director.

To meet the international experience requirement, majors must complete one of the following:

- A CSU Study Abroad Program;
 - An SDSU Exchange Program;
 - An SDSU Study Abroad Program;
 - An SDSU Study Travel Program;
- OR
- One course selected from:
 - Liberal Studies 351;
 - Arts and Letters 450;
 - Asian Studies 490;
 - Education 450;
 - General Studies 450;
 - Health and Human Services 350;
 - International Security and Conflict Resolution 450;
 - Latin American Studies 450;
 - Political Science 450;
 - Science 350.

Lower Division Core (46-50 units)

Students in the Elementary Education, Mathematics, Science, and Integrated Teacher Education Program (ITEP-MS) emphases must complete the following General Education and American Institutions requirements and Education 200.

I. Communication and Critical Thinking^① 9 units.

You may not use credit/no credit (Cr/NC) grades in this section.

- Oral Communication (3 units). A grade of C (2.0) or better is required.
- Written Communication (3 units). A grade of C- (1.7) or better is required.
- Critical Thinking (3 units). A grade of C (2.0) or better is required.

II. and III. Foundations of Learning: 34 minimum units.

A. Natural Sciences and Quantitative Reasoning (10 units)

- Biology 100 (3 units).
- Biology 100L (1 unit).
- Geological Sciences 104 (3 units).
- Mathematics 210 (3 units). Complete with a grade of C (2.0) or better [cannot be taken for credit/no credit (Cr/NC)].

B. Social and Behavioral Sciences (9 minimum units)

- Geography 106 (3 units).
- Three units selected from Africana Studies 170A, American Indian Studies 140, Chicana and Chicano Studies 141A, History 109.
- Three units selected from Africana Studies 170B, American Indian Studies 141, Chicana and Chicano Studies 141B, History 110, Political Science 102.

Liberal Studies

C. Humanities (12-13 units) (ITEP-MS refer to emphasis)

1. Literature: Three units selected from Comparative Literature 270A, 270B; English 220.
2. Visual and Performing Arts: Theatre 100 (3 units).
3. History: History 100 (3 units).
4. Philosophy, Religious Studies, or Foreign Language^② (3-4 units).

III. Lifelong Learning and Self-Development

1. Child and Family Development 170 [or Teacher Education 170] (3 units).^③

^①See the General Education requirements in Communication and Critical Thinking.

^②See the General Education requirement in Foundations of Learning II C2. Three to four units selected from Africana Studies 240, Philosophy or Religious Studies or Foreign Language. See liberal studies adviser.

^③Students may substitute a transfer course equivalent to SDSU course Child and Family Development 270 in lieu of Teacher Education 170 [or Child and Family Development 170].

IV. Liberal Studies: 3 units.

Education 200 (3 units).

Emphasis in Education-Generalist

(SIMS Code: 331921)

Open only to AA-T/TMC for Elementary Teacher Education

Preparation for the Major. The emphasis in education-generalist is open only to students who have completed the California Community College Associate in Arts in Elementary Teacher Education (AA-T) degree and completed the Transfer Model Curriculum (TMC) for liberal studies/integrated teacher education.^① Additional preparation for the major (10 units): Exercise and Nutritional Sciences 241A, 241B (complete with a grade of C (2.0) or better); Mathematics 211 (complete with a grade of C (2.0) or better); Mathematics Education 212; Music 102. Exercise and Nutritional Sciences 241A, 241B and Mathematics 211 may not be taken for credit/no credit (Cr/NC). (10 units)

Graduation Writing Assessment Requirement. Students must have fulfilled the Writing Placement Assessment with a score of 8 or above or with a grade of C (2.0) or better in Rhetoric and Writing Studies 280 or 281 [or Linguistics 281] before taking English 306W and earn a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

International Experience. All liberal studies majors are required to complete the international experience requirement.

Major including required focus. No Option is required. (44.5-50 units)

[NOTE: Plus additional lower division courses.]

Upper Division Core (40.5-41 units):

Liberal Studies: Liberal Studies 300, 498 (0.5 - 1 unit);
Mathematics and Science: Mathematics 312^②, 313^②; Physics 412;
Social and Behavioral Sciences: Linguistics 420, 452;
Humanities: Art 387; Education 451; English 306A, 306W; History 411, 413; Music 343.

Focus (9 units). All students complete a focus in literacy, mathematics, or science. A minor or second major may not be substituted for a focus.

LITERACY (9 units): Linguistics 253^③ [or Rhetoric and Writing Studies 253^③] or Linguistics 430^④; three units selected from Theatre 310, 315; three units selected from Africana Studies 365A [or English 365A], 365B [or English 365B], American Indian Studies 430, Chicana and Chicano Studies 335 [or English 335], Comparative Literature 470, English 501, 503, Women's Studies 352.

MATHEMATICS (9 units): Mathematics 141, 302, 413.

SCIENCE (9 units): Biology 101, 101L; Geological Sciences 412 (4 units), Teacher Education 211B (1 unit).

^①The statewide TMC in liberal studies includes courses equivalent to the Lower Division Core completed by students in the Elementary Education, Mathematics, and Science emphases with the following distinctions: a) courses equivalent to Music 151 and Theatre 100 are additional choices for the II.C.2. Visual and Performing Arts requirement and b) a fourth General Education Humanities philosophy, religious studies, or foreign language course is not required. The foci for the Education-Generalist emphasis does not include a breadth requirement for Chemistry 308 or Natural Science 100 because this requirement is part of the TMC.

^②Students must pass the Liberal Studies Mathematics Proficiency Assessment prior to enrolling in Mathematics 312 and 313.

^③Linguistics 253 [or Rhetoric and Writing Studies 253]. Discuss with adviser.

^④Prerequisite: Linguistics 420 in the major.

Emphasis in Elementary Education

(SIMS Code: 331922)

Preparation for the Major. Complete 46-47 units of lower division core plus Exercise and Nutritional Sciences 241A, 241B (with a grade of C [2.0] or better); Mathematics 211 (with a grade of C [2.0] or better); Mathematics Education 212; Music 102; Natural Science 100 or Chemistry 308 [SDSU Imperial Valley only]. Exercise and Nutritional Sciences 241A, 241B and Mathematics 211 may not be taken for credit/no credit (Cr/NC). (59-60 units)

Graduation Writing Assessment Requirement. Students must have fulfilled the Writing Placement Assessment with a score of 8 or above or with a grade of C (2.0) or better in Rhetoric and Writing Studies 280 or 281 [or Linguistics 281] before taking English 306W and earn a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

International Experience. All liberal studies majors are required to complete the international experience requirement.

Major including required focus and option (50.5-57 units).

[NOTE: Plus additional lower division courses.]

Upper Division Core (40.5-41 units):

Liberal Studies: Liberal Studies 300, 498 (0.5-1 unit);
Mathematics and Science: Mathematics 312^①, 313^②; Physics 412;
Social and Behavioral Sciences: Linguistics 420, 452;
Humanities: Art 387; Education 451^②, English 306A, 306W; History 411, 413; Music 343.

Focus (9 lower and upper division units). All students complete a focus in literacy, mathematics, or science. A minor or second major may not be substituted for a focus.

LITERACY (9 units):

Linguistics, Theatre, and Literature Courses: Linguistics 430^④; three units selected from Theatre 310, 315; three units selected from Africana Studies 365A [or English 365A], 365B [or English 365B], American Indian Studies 430, Chicana and Chicano Studies 335 [or English 335], Comparative Literature 470, English 501, 503, Women's Studies 352.

MATHEMATICS (9 units): [NOTE: Lower and upper division units].
Mathematics 141, 302, 413.

SCIENCE (9 units): [NOTE: Lower and upper division units].
Geological Sciences 412 (4 units); Teacher Education 211B (1 unit); Biology 101 and 101L (4 units)^⑤.

Option (9-10 units). All students complete an option. Some options lead to additional certifications; see the introduction section for details. To complete an additional 8+ units in mathematics or science, change to the Mathematics Emphasis or the Science Emphasis.

Linguistics^⑦ (9 units): Linguistics 253^③ [or Rhetoric and Writing Studies 253^③]; Linguistics 550; Linguistics 555 or 556.

Bilingual (10 units): Linguistics 253^③ [or Rhetoric and Writing Studies 253^③]; Dual Language and English Learner Education 416 and 416L (4 units); three units selected from Spanish 302, 381, or 382. Restricted to native or heritage speakers of Spanish or students with advanced placement credit in Spanish 202 and 212.

Special Education (10 units): Linguistics 253^③ [or Rhetoric and Writing Studies 253^③]; Special Education 500, 501, 502 (1 unit) (concurrent registration with Special Education 501);

Performing Arts (9 units): [Not available at SDSU Imperial Valley]. Prerequisites: Theatre 310 or 315. Highly recommended prerequisite: one unit of a performing arts course, such as Music 110A, 110B, 175, 185, 212.

Linguistics 253^③ [or Rhetoric and Writing Studies 253^③]; Theatre 510; three units selected from Africana Studies 385, Chicana and Chicano Studies 310 [or Latin American Studies 310], Music 345, 351.

Literature (9 units): Linguistics 253^③ [or Rhetoric and Writing Studies 253^③]; English 502; English 501 or 503 (may not double count in Focus).

^①Students must pass the Liberal Studies Mathematics Proficiency Assessment prior to enrolling in Mathematics 312 and 313.

^②May substitute Special Education 527 if seeking a special education credential.

^③Verify with a liberal studies adviser.

^④Prerequisite: Linguistics 420 in the major.

^⑤Required for Foundational Level General Science certification. See science emphasis.

^⑥Required for Introductory Subject Matter Authorization or Foundational Level General Science certification; therefore, required for the science emphasis.

^⑦When combined with the literacy focus, students may earn the Basic Certificate in Teaching English as a Second or Foreign Language. See the linguistics section of the catalog.

Emphasis in Integrated Teacher Education Program (ITEP-MS)

(SIMS Code: 331926)

ITEP Admission Requirements. Students apply for admission to the liberal studies major with an emphasis in integrated teacher education program (ITEP-MS) during the spring semester of their sophomore year. Students who qualify for admission the summer prior to their junior year must have a GPA of 2.7 or better, passing scores on the CBEST, a documented field experience, and a completed program application.

Additional Requirements for Subject Matter Preparation Certification. Certification of subject matter competency by the liberal studies program requires completion of all CSET-aligned courses with grades of C (2.0) or better and cumulative GPA of 2.7 or better. If a course is repeated, the highest grade will count. (See Policies and Procedures for CSET Waiver available on program website.)

Preparation for the Major. Complete 46 units of lower division core and Exercise and Nutritional Sciences 241A, 241B (complete with a grade of C (2.0) or better); Mathematics 211 (complete with a grade of C (2.0) or better); Mathematics Education 212 (2 units) (complete with a grade of C (2.0) or better); Music 102; Natural Science 100; Teacher Education 280. Exercise and Nutritional Sciences 241A, 241B and Mathematics 211 may not be taken for credit/no credit (Cr/NC). (60 units)

Lower Division Core (46 units):

Refer to requirements listed in the major. The ITEP-MS emphasis will replace Area II.C. with the following:

C. Humanities (12 units ITEP)

1. Literature: English 220 (3 units).
2. Visual and Performing Arts: Art 157, Theatre 100 (6 units).
3. History: History 100 (3 units).

Graduation Writing Assessment Requirement. Students must have fulfilled the Writing Proficiency Assessment with a score of 8 or above or with a grade of C (2.0) or better in Rhetoric and Writing Studies 280 or 281 [or Linguistics 281] before taking English 306W and earn a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

International Experience. All liberal studies majors are required to complete the international experience requirement.

Major including required focus and option (71 units).

Upper Division Core (44 units):

Liberal Studies (9 units): Education 451; Liberal Studies 300; Special Education 450.

Scientific Inquiry and Quantitative Reasoning (10 units): Mathematics 312*, 313*; Physics 412.

Arts and Humanities (12 units): Art 387; English 306A, 306W; Music 343.

Social Sciences (12 units): History 411, 413; Linguistics 420, 452.

International Experience (1 unit): Education 450 (1 unit)

Emphasis - ITEP (27 units): Education 970 (1 unit)**; Teacher Education 910A (3 units), 910B (3 units), 910C (3 units), 930 (6 units), 960 (2 units), 965 (9 units).

*Students must pass the Liberal Studies Mathematics Proficiency Assessment prior to registering in Mathematics 312 and 313.

**Education 970 is the equivalent of Liberal Studies 498.

Emphasis in Mathematics

(SIMS Code: 331923)

Preparation for the Major. Complete 46-47 units of lower division core and Exercise and Nutritional Sciences 241A, 241B (complete with a grade of C [2.0] or better); Mathematics 211 (complete with a grade of C [2.0] or better); Mathematics Education 212; Music 102; Natural Science 100 or Chemistry 308 [SDSU Imperial Valley only]. Exercise and Nutritional Sciences 241A, 241B and Mathematics 211 may not be taken for credit/no credit (Cr/NC). (59-60 units)

Graduation Writing Assessment Requirement. Students must have fulfilled the Writing Placement Assessment with a score of 8 or above or with a grade of C (2.0) or better in Rhetoric and Writing Studies 280 or 281 [or Linguistics 281] before taking English 306W and earn a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

International Experience. All liberal studies majors are required to complete the international experience requirement.

Major including required focus and option (50.5-51 units).

Upper Division Core (40.5-41 units): [NOTE: Plus additional lower division units]

Liberal Studies: Liberal Studies 300, 498 (0.5 - 1 unit);

Mathematics and Science: Mathematics 312^①, 313^②; Physics 412;

Social and Behavioral Sciences: Linguistics 420, 452;

Humanities: Art 387, Education 451, English 306A, 306W; History 411, 413; Music 343.

Mathematics Focus (9 units): Mathematics 141, 302, 413.

Mathematics Option (11 units): [NOTE: Lower and upper division units].

Mathematics 120, 303, 341 (1 unit); Teacher Education 211A (1 unit); three units selected from Linguistics 253^③ [or Rhetoric and Writing Studies 253^③], Statistics 119 or 250.

^①Students must pass the Liberal Studies Mathematics Proficiency Assessment prior to enrolling in Mathematics 312 and 313.

^②Verify with a liberal studies adviser.

Emphasis in Science

(SIMS Code: 331924)

Preparation for the Major. Complete 46-47 units of lower division core and Exercise and Nutritional Sciences 241A, 241B (complete with a grade of C [2.0] or better); Mathematics 211 (complete with a grade of C [2.0] or better); Mathematics Education 212; Music 102; Natural Science 100 or Chemistry 308 [SDSU Imperial Valley only]. Exercise and Nutritional Sciences 241A, 241B and Mathematics 211 may not be taken for credit/no credit (Cr/NC). (59-60 units)

Graduation Writing Assessment Requirement. Students must have fulfilled the Writing Placement Assessment with a score of 8 or above or with a grade of C (2.0) or better in Rhetoric and Writing Studies 280 or 281 [or Linguistics 281] before taking English 306W and earn a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

International Experience. All liberal studies majors are required to complete the international experience requirements.

Major including required focus and option. (44.5-45)^①

Upper Division Core (40.5-41 units): [NOTE: Plus additional lower division units]

Liberal Studies: Liberal Studies 300, 498 (0.5 - 1 unit);

Mathematics and Science: Mathematics 312^②, 313^③; Physics 412;

Social and Behavioral Sciences: Linguistics 420, 452;

Humanities: Art 387, Education 451, English 306A, 306W; History 411, 413; Music 343.

Science Focus (9 units): [NOTE: Lower and upper division units].

Biology 101 and 101L (4 units); Geological Sciences 412 (4 units); Teacher Education 211B (1 unit).

Science Option (11-13 units): [NOTE: Lower division units]. Chemistry 100; Physics 180A; Physics 182A or an alternative course selected with approval of adviser, three to five units selected from Linguistics 253^③ [or Rhetoric and Writing Studies 253^③], Chemistry 130, 200^④.

^①Students who select Biology 101 and 101L - consult with a Liberal Studies adviser.

^②Students must pass the Liberal Studies Mathematics Proficiency Assessment prior to enrolling in Mathematics 312 and 313.

^③Verify with a liberal studies adviser.

^④Required for Foundational Level General Science certification. A portfolio assessment is also required. See science adviser.

Liberal Studies

Courses (LIB S)

Refer to Courses and Curricula and University Policies sections of this catalog for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

LOWER DIVISION COURSE

LIB S 296. Experimental Topics (1-4)

Selected topics. May be repeated with new content. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.

UPPER DIVISION COURSES

(Intended for Undergraduates)

LIB S 300. Introduction to Liberal Studies (3)

Prerequisites: Education 200 and preparation for the major completed or to be completed concurrently.

Introduction to ideas, structures, and values within and among the various disciplines in this interdisciplinary major. Exploration of issues of diversity in contemporary society through directed field experience and required readings. Individual qualitative evaluation process required by major included.

LIB S 351. International Experience-Mexicali (1) Cr/NC (Offered only through SDSU Global Campus)

Prerequisite: Completion of the General Education requirement in Communication and Critical Thinking I.3., Critical Thinking.

International experience in Mexicali, Mexico. History and culture of region, microcredit businesses to include bee keeping, border issues, education in Baja California. Service learning project.

LIB S 498. Assessment in Liberal Studies (0.5-1) Cr/NC

Prerequisites: Senior standing and Liberal Studies 300. Not open to premajors.

Senior assessment including reflections upon educational experiences in each subject area and role as future educator. Students will explore differences between subject areas and reflect upon learning and teaching.

LIB S 499. Special Study (1-3)

Prerequisite: Consent of instructor.

Individual study. Maximum credit six units.
