

Student Success Partnership - Task Force #3 on Roadmaps

Members:

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Summary of findings

- If we define a “roadmap” as a **plan or guide to show how a major can be completed on a semester-by-semester basis**, relatively few programs at CI offer true, user-friendly roadmaps on their webpages.
- The vast majority of programs offer general lists of courses required for completing the major, but no real guidance in terms of which courses to take which semester. Many of these lists are merely broken down in terms of upper and lower-division requirements, electives, etc.
- Exceptions to this overall trend are **Applied Physics** (p. 3), **Biology** (p. 6), **Chemistry** (p. 8), **Computer Science** (p. 11), **History** (p. 16), **Math** (p. 19) **Nursing Fast Track** (p. 21), and **Spanish** (p. 26). These programs offer roadmaps more in keeping with the definition above.
- **Physics** and **Computer Science** struck the Task Force as possible best-practice examples for rapid webpage reference given the dual graphic and text-based roadmaps.
- **Biology, History, Spanish, and Math** merit attention by offering students different roadmaps based on their particular academic background or timeframe for completing the degree.

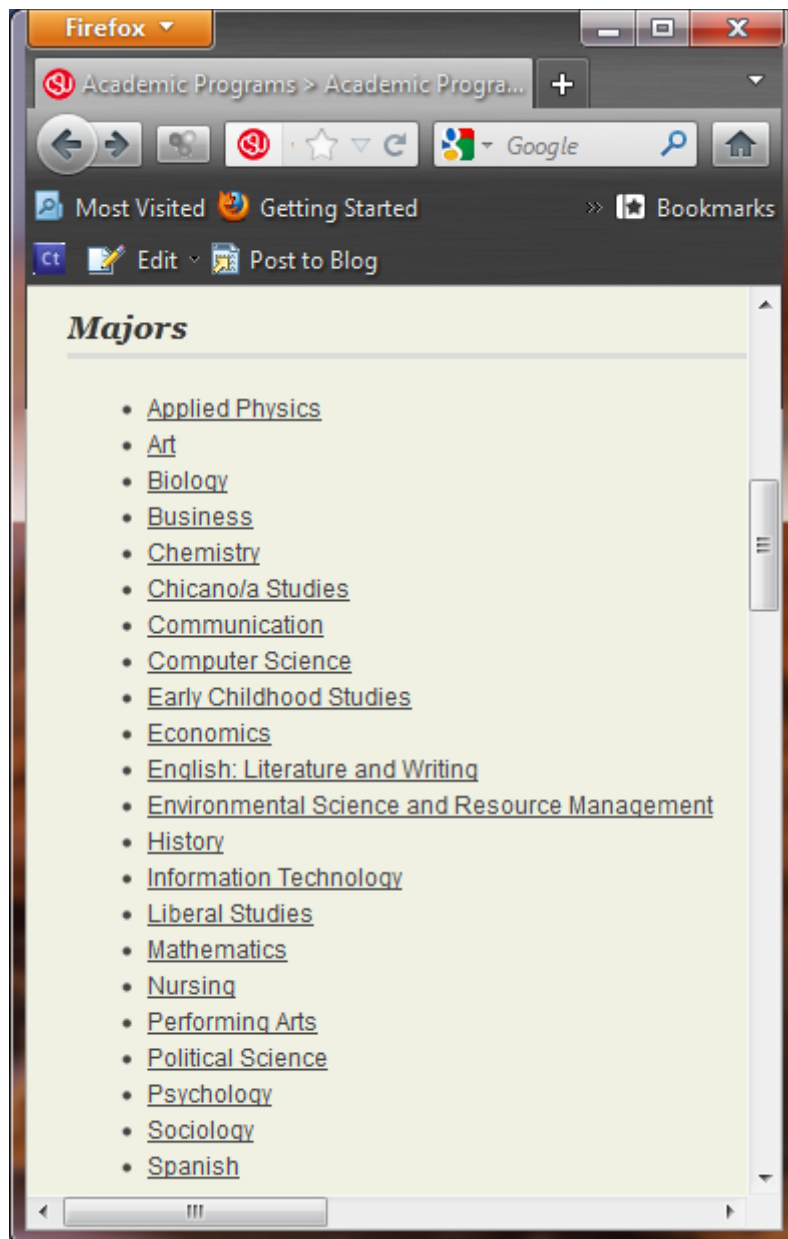
Recommendations

Each of CI's programs have different roadmap needs so while a rigid campus standard is not called for, it will be helpful to more closely align program roadmaps to include timelines and graphical versions. In addition, more attention to interactive digital road maps is recommended. Suggestions for improved use of interactive roadmaps include:

- Provide a link to **CARR** (CI Academic Requirements Report) on each program's webpage.
- Educate students and faculty as to the use of **CARR**.
- Introduce students to **CARR** as part of UNIV 100.
- Investigate potential improvements to CARR or other digital roadmap to empower students to pre-select all classes through graduation. Such course selections need not be “binding”, but will be beneficial to the student for planning purposes and extremely useful to programs and the administration for course planning, teaching assignments, and classroom/lab needs.

- Student Success Partnership - Roadmaps Task Force

Summary of Available Roadmaps by Major



<http://www.csuci.edu/academics/>

Physics (Technology Emphasis and Physical Science Emphasis)

Roadmaps consist of pooled lists of classes + text roadmap for each year of study + flowchart

Web page offers direct links to all three forms of roadmap, without the need to download pdf's.

Firefox

Programs > Applied Physics > CSU Cha... +

appliedphysics.csuci.edu/p

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APPLIED PHYSICS PROGRAM

The interface between science & technology.

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Programs

Proposed Course of Study for the Bachelor of Science Degree with an Emphasis in Technology

Freshman Year (29 - 30 units)

PHYS 106 Applied Physics and Modern Society (3)
MATH 150 Calculus I (4)
MATH 151 Calculus II (4)
COMP 150 Object-Oriented Programming (4)
(or COMP 105 Computer Programming Intro (3))
American Institutions (6)
Other GE 9

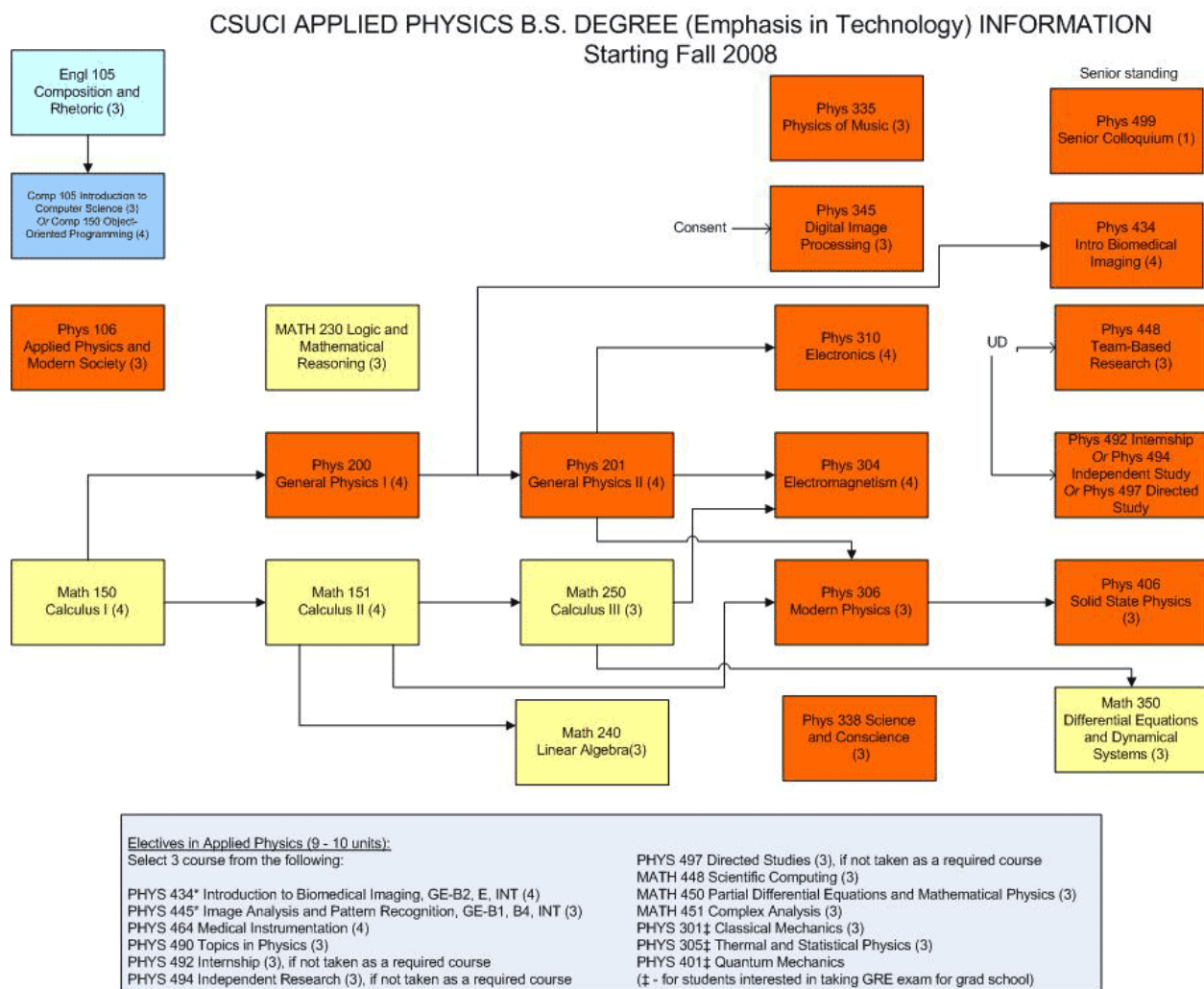
Sophomore Year (29 units)

PHYS 200 Gen Physics I (4)
PHYS 201 Gen Physics II (4)
MATH 230 Logic and Mathematical Reasoning (3)
MATH 240 Linear Algebra (3)
MATH 250 Calculus III (3)
Other GE (12)

Junior Year (32 units)

PHYS 304 Electromagnetism (4)
PHYS 306 Modern Physics (3)
PHYS 310 Electronics (4)
PHYS 335* Physics of Music (3)
PHYS 338* Science and Conscience (3)
PHYS 345* Digital Image Processing (3)
University Electives (6)
UDIGE (3)

Physics Technology Track Flowchart



Art

Roadmap consists of a pooled list of classes.

The screenshot shows a web browser window displaying the CSUCI Art - Art Major page. The page is titled "Lower Division Requirements" and lists various art courses and their descriptions. The browser's address bar shows "art.csuci.edu/major.html". The page content is as follows:

Lower Division Requirements

Complete a minimum of 24 units of lower division required Art courses in preparation for upper division studies.

Art Studio Fundamentals (12 units)

ART 105 - Drawing and Composition (3)
Introduction to drawing media, techniques and compositional elements

ART 106 - Color and Design (3)
Introduction to color theory in two-dimensional and three-dimensional design projects

ART 107 Life Drawing (3)
Introduction to drawing the human form in various media and scale

ART 108 Visual Technologies (3)
Introduction to basic techniques in digital imaging, hardware and software (Illustrator, Photoshop, Painter)

Art History (6 units)
Select two courses from the following:

- ART 110 Prehistoric Art to the Middle Ages (3)
- ART 111 Renaissance to Modern Art (3)
- ART 112 Arts of the Eastern World (3)

Lower Division Studio Courses (6 units minimum)

In selecting lower division studio courses (100 and 200 level), students are encouraged to enroll in courses that satisfy prerequisites for upper division study in specific areas. Transfer students may substitute CSU transferable lower division studio art and multimedia courses subject to the approval of the CSUCI art program. Select a minimum of two courses from the following:

ART 201 Painting (3)
Introduction basic painting techniques in oil and acrylic

ART 202 Sculpture (3)
Introduction to basic sculpture techniques in a variety of materials

ART 203 Illustration (3)
Introduction to illustration techniques and media for publication and commercial art applications

ART 204 Graphic Design (3)
Introduction to typography, design and layout for print media

ART 205 Multimedia (3)
Introduction to basic interactive multimedia and 2D digital game design

ART 206 Animation (3)
Introduction to storyboarding, timing, animation drawing, cell production and traditional animation methods

ART 207 Ceramics (3)
Introduction to basic ceramic materials, methods and glazing techniques

ART 208 Physics of Art and Visual Perception (3)
Laboratory and studio investigations into the interrelationship between visual art and physics

ART 209 Photography (3)
Introduction to fundamental techniques and theories of photographic media (digital)

Upper Division Requirements

Upper Division ART Majors are required to select an option within the major and complete a minimum of thirty-three

Biology

Lists eight different “graduation roadmaps”, each with a 4, 5, or 6 year plans. (24 roadmaps!)

The screenshot shows a Firefox browser window displaying the Channel Islands California State University website. The page is titled "BIOLOGY PROGRAM" with the tagline "The study of life, its origins, diversity and intricacies." Below this, a section titled "4-Year Graduation Road Map for Bachelor of Science in Biology" is visible. It lists the following units for the first and second years:

First Year (29 Units)

Fall (14 Units)

- BIOL 200* Principles of Organismal and Population Biology, GE-B2 (4)
- CHEM 121* General Chemistry I, GE-B1 (4)
- GE-C3a (3)
- GE-A1 (3)

Spring (15 Units)

- BIOL 201* Principles of Cell and Molecular Biology, GE-B2 (4)
- CHEM 122* General Chemistry II, GE-B1 (4)
- MATH 150* Calculus I, GE-B3 (4)
- GE-A3 (recommend MATH 230* Logic and Mathematical Reasoning) (3)

Second Year (33 Units)

Fall (17 Units)

- BIOL 300 Cell Biology (4)
- BIOL 303 Evolutionary Biology (3)

A sidebar on the right contains a list of links: Biology Program Home, About Us, Undergraduate Program, Graduate Program, Courses, Resources, Catalog Archive, Advisory Board, Faculty and Staff, and Contact Us.

Business

Roadmap consists of a pooled list of classes.

The screenshot shows a Firefox browser window displaying the Channel Islands University website. The address bar shows 'business.' and the search bar contains 'Google'. The website header includes the university logo, navigation links (Directory, A-Z Index, Maps, Contact Us, myC), and a search bar. Below the header is a red banner for the 'Martin V. Smith School of Business & Economics'. The main content area is titled 'Bachelor of Science in Business' and lists requirements for the degree. A left sidebar contains links to various business-related pages.

Channel Islands
CALIFORNIA STATE UNIVERSITY

Directory | A-Z Index | Maps | Contact Us | myC

Search CI GO

CI Home | Future Students | Current Students | Parents | Visitors & Community | Faculty | Staff | Alumni

Martin V. Smith School of Business & Economics

Business Home

- Bachelor of Science in Business
- Bachelor of Arts In Economics
- Internship Opportunities
- Master of Business Administration
- Business Advisory Council
- Business & Technology Partnership
- Events
- Faculty
- Institute for Global Economic Research

Bachelor of Science in Business

Requirements for the Bachelor of Science Degree in Business (120 units)

Lower Division Requirements (21-22 units)

ACCT 210 Financial Accounting (3)
ACCT 220 Managerial Accounting (3)
BUS 110 Business Law (3)
COMP 101 Computer Literacy (3)
ECON 110 Principles of Microeconomics (3)
ECON 111 Principles of Macroeconomics (3)
Select either:
MATH 140 Calculus for Business Applications (3)
or
MATH 150 Calculus I (4)

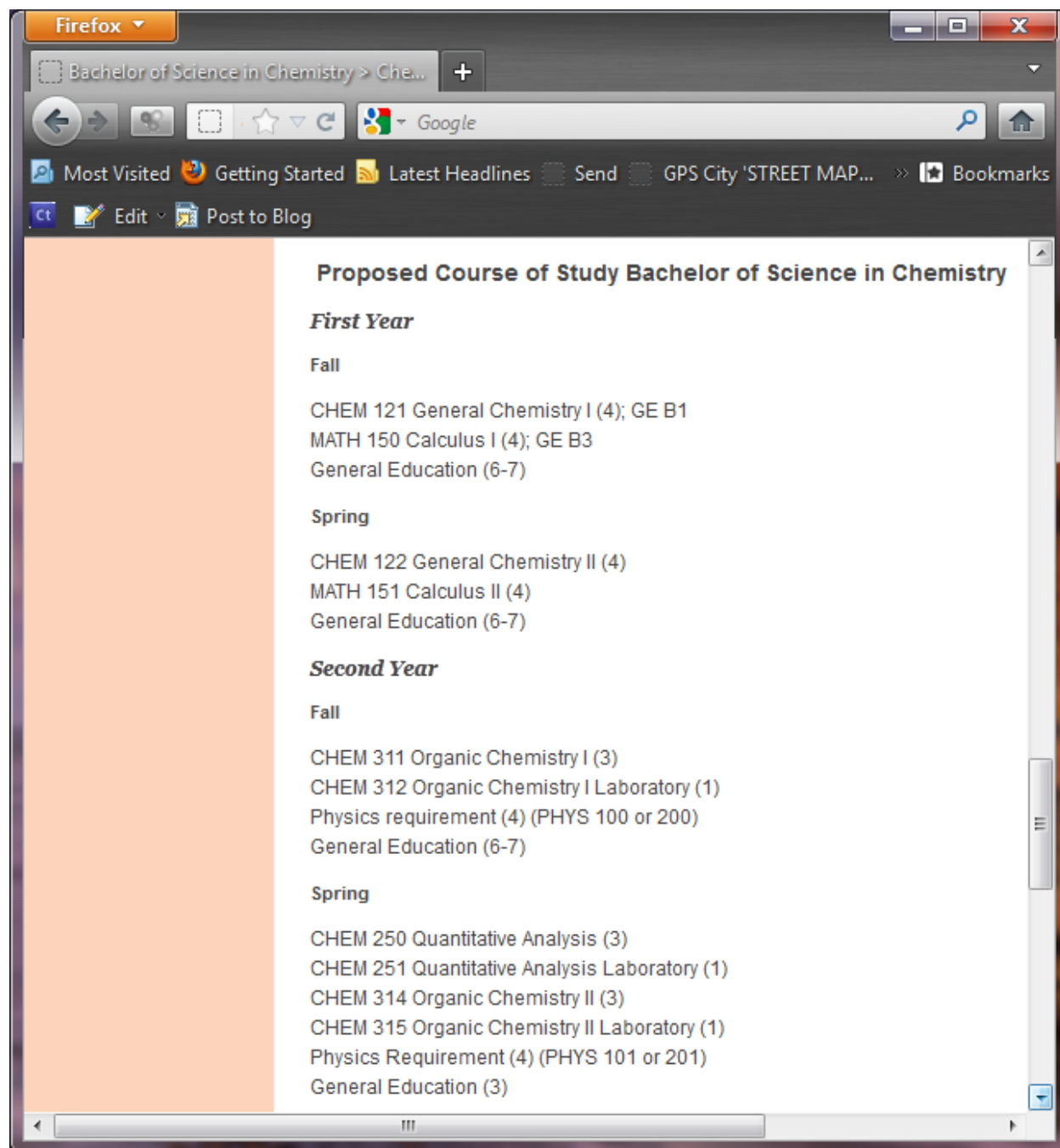
Upper Division Required Major Courses (36 units)

ACCT 300 Applied Managerial Accounting (3)
BUS 320 Business Operations (3)
Select either:
ECON 310 Intermediate Microeconomics (3)
or
ECON 329 Managerial Economics (3) (choose this course if pursuing the Marketing Option)
Select either:

Chemistry

Both BA and BS programs have pooled list of requirements for the major, but Chemistry also offers a web link to specific "Proposed Course of Study":

http://chemistry.csuci.edu/BS_Chemistry.htm#Proposed%20Course%20Study



Proposed Course of Study Bachelor of Science in Chemistry

First Year

Fall

CHEM 121 General Chemistry I (4); GE B1
MATH 150 Calculus I (4); GE B3
General Education (6-7)

Spring

CHEM 122 General Chemistry II (4)
MATH 151 Calculus II (4)
General Education (6-7)

Second Year

Fall

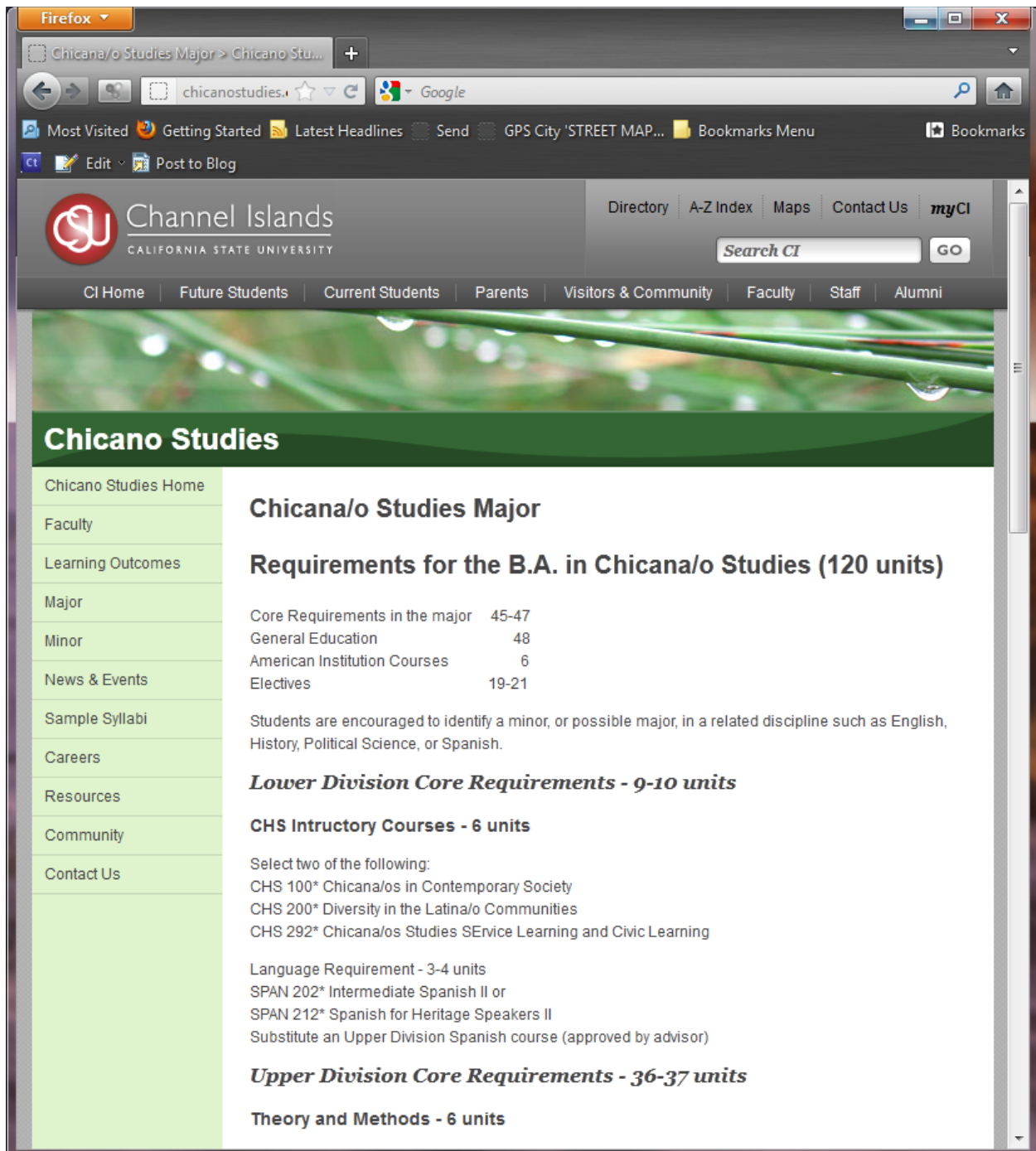
CHEM 311 Organic Chemistry I (3)
CHEM 312 Organic Chemistry I Laboratory (1)
Physics requirement (4) (PHYS 100 or 200)
General Education (6-7)

Spring

CHEM 250 Quantitative Analysis (3)
CHEM 251 Quantitative Analysis Laboratory (1)
CHEM 314 Organic Chemistry II (3)
CHEM 315 Organic Chemistry II Laboratory (1)
Physics Requirement (4) (PHYS 101 or 201)
General Education (3)

Chicana/o Studies

Roadmap consists of a pooled list of classes.



The screenshot shows a Firefox browser window displaying the Channel Islands University website. The address bar shows 'chicanostudies.' and the search bar contains 'Search CI'. The website header includes the university logo and navigation links like 'Directory', 'A-Z Index', 'Maps', 'Contact Us', and 'myCI'. A sidebar on the left lists various links including 'Chicano Studies Home', 'Faculty', 'Learning Outcomes', 'Major', 'Minor', 'News & Events', 'Sample Syllabi', 'Careers', 'Resources', 'Community', and 'Contact Us'. The main content area is titled 'Chicana/o Studies Major' and lists requirements for the B.A. in Chicana/o Studies (120 units).

Chicana/o Studies Major

Requirements for the B.A. in Chicana/o Studies (120 units)

Core Requirements in the major	45-47
General Education	48
American Institution Courses	6
Electives	19-21

Students are encouraged to identify a minor, or possible major, in a related discipline such as English, History, Political Science, or Spanish.

Lower Division Core Requirements - 9-10 units

CHS Intructory Courses - 6 units

Select two of the following:

- CHS 100* Chicana/os in Contemporary Society
- CHS 200* Diversity in the Latina/o Communities
- CHS 292* Chicana/os Studies Service Learning and Civic Learning

Language Requirement - 3-4 units

- SPAN 202* Intermediate Spanish II or
- SPAN 212* Spanish for Heritage Speakers II
- Substitute an Upper Division Spanish course (approved by advisor)

Upper Division Core Requirements - 36-37 units

Theory and Methods - 6 units

Communication

Roadmap consists of a pooled list of classes.

The screenshot shows a Firefox browser window displaying the Channel Islands California State University website. The address bar shows 'communication' and the search bar contains 'Search CI'. The navigation menu includes links for CI Home, Future Students, Current Students, Parents, Visitors & Community, Faculty, Staff, and Alumni. The main content area is titled 'Communication' and features a sidebar with links to Communication Home, Emphases, Major, Minor, Courses, Faculty, and Students. The main text area is titled 'Major' and contains the following information:

Major

Current Schedule of Classes

Requirements for the Bachelor Of Arts Degree in Communication will include:

Lower Division Courses (12 Units)

- COMM 101 Public Speaking (3)
- COMM 200 Introduction to Communication Studies (3)
- **CHOOSE ANY TWO OF THE FOLLOWING:**
 - COMM 210 Interpersonal Communication (3)
 - COMMLIB 211 Discerning Information in an Interconnected World (3)
 - COMM 220 Group Communication (3)

Upper Division Courses (33 Units)

REQUIRED COURSES (15 units)

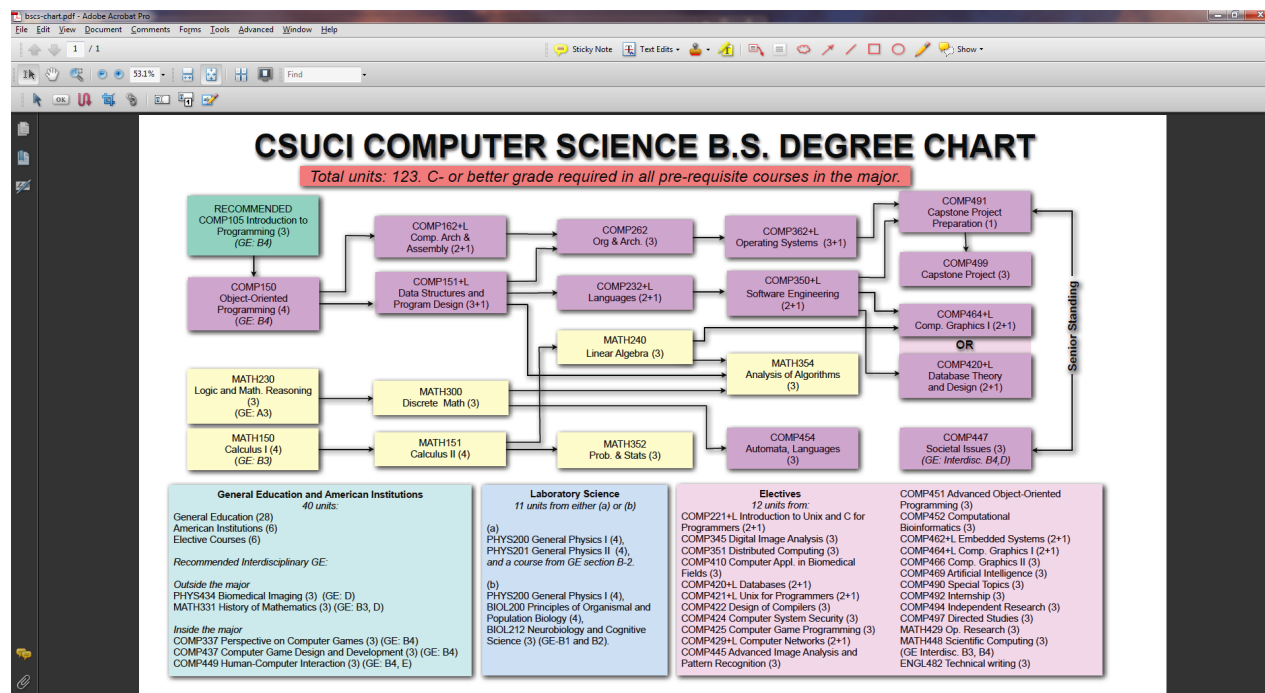
- COMM 310 Communication Research Methods (3)
 - (Note: may substitute with permission ENGL310 or SOC310)
- COMM 320 Persuasion & Argumentation (3)
- COMM 321 Cultural Conversations (3)
- COMM 340 Conflict Management & Mediation (3)
- COMM 499 Capstone Project (3)

MAJOR ELECTIVES - (6 Units) (Students will choose two)

- Comm 301 Advanced Public Speaking (3)
- Comm 322 Sociology of Popular Culture (3)
- Comm 331 Art, Society and Mass Media (3)

Computer Science (and Information Technology)

Degree Chart and 4 or 5 year graduation roadmaps in text format are available for download as pdfs.



**4-year Graduation road map
for
Bachelor of Science in Computer Science (2010-2011 catalog)**

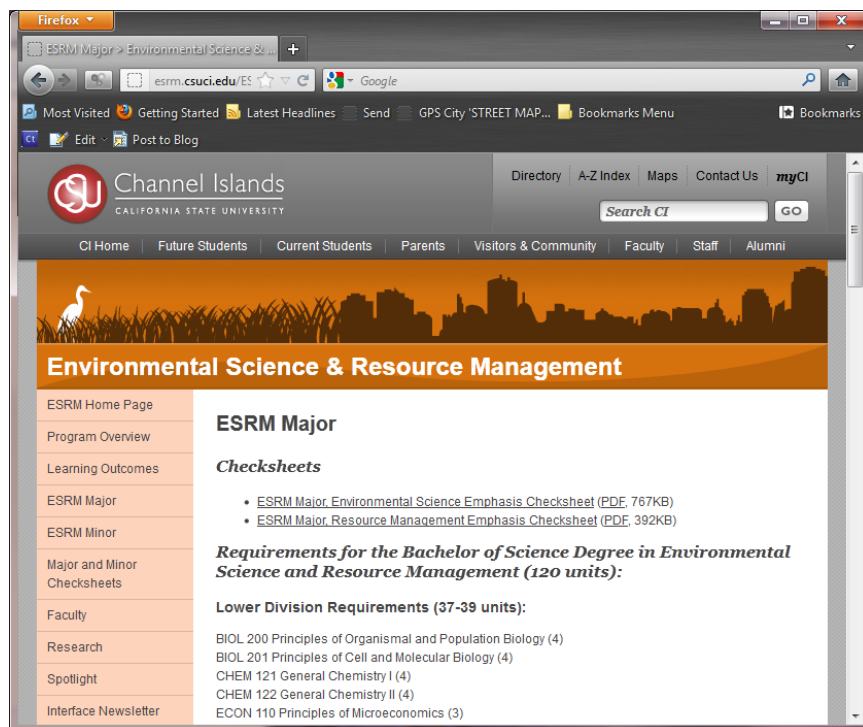
Total Units 122-123

First Year (31 units)	
Fall (14 units)	Spring (17 units)
Engl 105 Composition and Rhetoric G.E. A2 (3)	Math 230 Logic G.E. A3 (3)
Math 150 Calculus I G.E. B3 (4)	Math 151 Calculus II (4)
Comp 150 Object-Oriented Programming G.E. B4 (4)	Comp 151 Data Structures and Program Design (4)
PolS 150 (State and Local Govt. requirement) (3)	Comp 162 Comp. Architecture and Assembly Language (3)
	G.E.: Section A1 (Oral Communication) (3)

Second Year (29 units)	
Fall (13 units)	Spring (16 units)
Math 240 Linear Algebra (3)	Math 300 Discrete Mathematics (3)
Comp 262 Computer Organization and Architecture (3)	Comp 232 Programming Languages (3)
G.E.: Category C, D, or E (3)	G.E.: Category C, D, or E (3)
Physics 200 (GE B1) (4)	Second lab science (4)
	US History (American Institutions Requirement) (3)

ESRM

Roadmap consists of a pooled list of classes, plus a pdf checksheet.



ESRM has a link to a “Checksheet” in pdf format:

<http://esrm.csuci.edu/documents/ESRM%20Emphasis%20in%20Environmental%20Science%202007-2008.pdf>

The screenshot shows the ESRM Emphasis in Environmental Science 2007-2008.pdf document. The document is titled "California State University Channel Islands Bachelor of Science ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT Environmental Science Emphasis Advisement Form 2007-2008". It includes a section for "Lower Division Requirements (37-39 units)" with a table listing courses, units, and prerequisites.

Lower Division Requirements (37-39 units)	Instit.	Course	Units	Grade	Term	Prerequisites, GE and comments
BIOL 200 Principles of Organismal and Population Biology	4					GE: B2
BIOL 201 Principles of Cell and Molecular Biology	4					Prereq: CHEM 105 or 121; GE: B2
CHEM 121 General Chemistry I <i>Must receive grade of C or better</i>	4					Prereq: 1 year high school chemistry or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive grade of C or better</i>	4					Prereq: CHEM 121 with grade of C or better; GE: B1

Student Success Partnership - Roadmaps Task Force

Summary of Available Roadmaps by Major

Majors from “E” through “L”

Bachelor of Arts in Early Childhood Studies—has a list of courses to take to complete the attempted degree.

Requirements for the Bachelor of Arts Degree in Early Childhood Studies (120 Units)

Lower Division Requirements (47–48 Units)

Course Name	Units	Prerequisites, GE & Comments
ART 102 - Multicultural Children's Art	3	G.E., C1, C3b
BIOL 100 - Exploring the Living World	4	G.E., B2
OR		
BIOL 170 - Foundations of Life Science	4	G.E., B2
PHSC 170 - Foundations in Physical Science	4	G.E., B1
COMP 101 Computer Literacy	3	G.E., B4
ECS 101 Introduction to Early Childhood Education	3	G.E., D
ECS 221 Child, Family and Community in California in the 21st Century	3	—
HIST 211 World Civilizations: Origins to 1500	3	G.E., D
ENGL 212 Introduction to Children's Literature	3	—
MATH 208 Modern Mathematics for Elementary Teaching I: Numbers & Problem Solving	3	G.E., B3
PSY 150 Foundations of Child and Adolescent	3	—
One Semester of Spanish I	4	G.E., C3a

American Institutions Requirements (6 units)

Course Name	Units	Prerequisites, GE & Comments
HIST 275 The United States to 1900	3	U.S. History & Constitution Requirement
POLS 150 American Political Institutions	3	Local Government Requirement

UPPER DIVISION REQUIREMENTS (49 UNITS)

Course Name	Units	Prerequisites, GE & Comments
ECS 320 Early Childhood Service Delivery Models & Programs for Young Children	3	—
ECS 322 Early Childhood Program Administration	3	—
ECS 325 Typical & Atypical Development: Birth-Age 8	3	—
ECS 456 Working with Parents	3	—
ECS 460 Infant/Toddler Assessment & Intervention	3	—
ECS 461 Infant/Toddler Student Teaching & Seminar	4	—
ECS 468 Early Numeracy & Literacy for Children Ages 3-5: Multicultural/Multilingual	3	—
470 Preschool/Primary Assessment & Teaching Strategies	4	—
ECS 471 Preschool/Primary Student Teaching & Seminar	4	—
EDML 461 Theory, Methods and Applications in Bilingual Education	3	Senior Standing
EDMC 560 Application of Mainstream & ELD Methods	2	Senior Standing
EDUC 512 Equity, Diversity & Foundations of Schooling	3	G.E., C3b, Senior standing
ENGL 475 Language in Social Context	3	—
HIST 369 California History & Culture	3	—
PHED 302 Motor Learning, Fitness & Development in Children	2	G.E., E
HLTH 322 Health Issues in Education	2	G.E., E
SPED 345 Individuals with Disabilities in Society	3	PSY, G.E., D E
SPED 546 Consultation & Collaboration with Families and State and Professionals	3	Senior Standing

University Electives (23–24 Units)

Requirements	Units	Prerequisites, GE & Comments
Electives	17	Students preparing for the multiple subjects or special education credentials are strongly urged to take MATH 308
Interdisciplinary Electives	6	G.E., C2

Total Units for Graduation

Requirements	Units
Electives Lower Division Requirements 47–48	
Upper Division Requirements	49
University Electives	23–24
Total	120

Economics-has a list of requirements-

Lower Division Requirements (9-10 units):

ECON 110 Principles of Microeconomics (3)
ECON 111 Principles of Macroeconomics (3)

Select either:

MATH 140 Calculus for Business Applications (3)
or
MATH 150 Calculus I (4)

Upper Division Requirements (19 units):

ECON 310 Intermediate Microeconomics (3)
ECON 311 Intermediate Macroeconomics (3)
ECON 488 Applied Managerial Econometrics (4)
ECON 496 Seminar in Economic Analysis (3)
ECON 499 Capstone (3)

Select either:

MATH 329 Statistics for Business and Economics (3)
or
MATH 352 Probability and Statistics (3)1

REQUIRED EMPHASIS (12-17 UNITS):

Economics majors are required to complete one of the following three emphases:

For all emphases, ECON 492 may not be taken to fulfill the requirements of the economics major. ECON 497 must be taken for 3 units in order to be applied to the major.

1. General Economics Emphasis (12 units)

Upper Division - 12 units

A minimum of 4 upper division courses in economics (or approved courses outside of economics) as follows:

A minimum of two courses must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).

A minimum of two economics courses at the 400 level are required.

2. International Economics Emphasis (17 units)

Lower Division - 8 units

A minimum of 2 courses in a foreign language or equivalent [for example, SPAN 101 (4) and 102 (4)].

Note: This requirement represents one additional course beyond the CI foreign language requirement.

Upper Division - 9 units

A minimum of 3 upper division courses in economics (or approved courses outside of economics) as follows:

Three courses from the following:

ECON 471 International Trade (3)
ECON 473 Economic Development (3)

Choose one of the Following:

ECON 370 The World Economy (3)
ECON 444 Values and Valuables (ANTH) (3)
ECON 472 International Macroeconomics (3)
POLS 328 United States Foreign Policy (3)
ECON 300, 492, and 497 may not be taken to meet the requirements of the economics major.

3. Managerial Economics Emphasis (12 units)

Upper Division - 12

A minimum of 4 upper division courses in economics (or approved courses outside of economics) as follows:

FIN 300 Business Finance (3)

Select either:

ECON 320 Money and Banking (3)
or
ECON 329 Managerial Economics (3)

Select either:

ECON 471 International Trade (3)
or
ECON 472 International Economics (3)

A minimum of one courses must be taken from cross-disciplinary courses offered by economics (ECON 330-349 and 430-449).

Note: Students selecting this emphasis must take either ECON 320 or 329, but may not take both courses for credit in the major.

Required Supporting and Other GE Courses (75-81 units)

General Education (48)
American Institutions (6)
Free Electives (21-27)

English-Roadmaps is not available on line yet-however seems to have a comprehensive list otherwise.

Graduation Roadmaps

Graduation roadmaps are suggestions for courses to take in a logical order to progress through the program in 4, 5, or 6 years.

Currently the Graduation Roadmaps are being revised to reflect changes in the English major. Please see a [faculty advisor](#) for more information.

2007-08 Catalog

Lower Division Requirements (12 units)

Students seeking the Bachelor of Arts in English must have fulfilled the lower division writing requirement (at CSUCI, ENGL 103 or ENGL 105). In addition, the following 12 units of literature survey courses (or the equivalent) must be completed prior to enrolling in any upper division literature courses with prerequisites:

- ENGL 120 American Literature I (3)
- ENGL 150 British and European Literature I (3)
- ENGL 220 American Literature II (3)
- ENGL 250 British and European Literature II (3)

Upper Division Requirements (27 Units)

The upper division English core is designed to provide students with a broad background in literature, solid foundations in theory and criticism, and experience in writing to learn. (English majors may not use courses in this section to fulfill General Education requirements.)

- ENGL 310 Research Methods (3)
- ENGL 315 Introduction to Language Structure and Linguistics (3)
- ENGL 330 Interdisciplinary Writing (3)

Two of the following major authors courses (325, 326, and/or 327):

- ENGL 325 Major Non-Western Authors (3)
- ENGL 326 Major British and European Authors (3)
- ENGL 327 Major American Authors (3)

One of the following performance-based courses:

- ENGL 332 Teaching Dramatic Literature
- ENGL 410 Shakespeare (3)

- ENGL 349 Perspectives on Multicultural Literature (3)
- ENGL 420 Literary Theory (3)
- ENGL 499 Capstone Project/ Senior Seminar (3)

Required Sequence (6 units):

The sequence requirement allows students to explore an area of interest in more depth. Students choose ONE of the following sequences:

Sequence A:

- ENGL 349 Perspectives on Multicultural Literature (3)
- Plus two of the following:
 - ENGL 350 Native American Literature (3)
 - ENGL 351 African/African American Literature (3)
 - ENGL 352 Asian/Asian American Literature (3)
 - ENGL 353 Hispanic/Latino American Literature (3)

OR

Sequence B:

- ENGL 260 Perspectives in Creative Writing (3)
- Plus one of the following:
 - ENGL 461 Fiction Writing (3)
 - ENGL 462 Poetry Writing (3)
 - ENGL 463 Writing for the Stage and Screen (3)
 - ENGL 464 Creative Non-Fiction (3)

OR

Sequence C:

- ENGL 475 Language in Social Context (3)
- Plus one of the following:

History Major- includes 4 and 5-year roadmaps**Graduation Roadmaps*****Four Year Graduation Roadmap for Bachelor of Arts in History*****First Year (31 units)*****Fall (15 units)***

Course	Name/Category	Units
HIST 211	World History to 1500	3
HIST 270	U.S. to 1877, Title V	3
GE	Category A	3
GE	Category B	3
GE	Category E	3

Spring (16 units)

Course	Name/Category	Units
HIST 212	World History since 1500	3
HIST 271	U.S. since 1877, Title V	3
GE	Category A	3
GE	Category B	3
	Second Language	4

Second Year (31 units)***Fall (15 units)***

Course	Name/Category	Units
HIST 280	The Historian's Craft	3
Upper Division	North American History	3
Upper Division	World History	3
GE	Category A	3
GE	Category B	3

Spring (16 units)

Course	Name/Category	Units
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Bachelor of Arts in Liberal Studies-Liberal studies does not have anything listed, my guess is this major is customized and cannot leave a full list?

Liberal Studies Philosophy:

1. Commitment to the development of content knowledge - breadth and depth;
2. Commitment and respect for diversity of all students;
3. Commitment to scholarship, teaching, and active, lifelong learning
4. Commitment to excellence across program areas
5. Commitment to active involvement with the surrounding community

The Bachelor of Arts in Liberal Studies provides students with a comprehensive, multidimensional education in a variety of disciplines and serves as an excellent base for further professional educational development. There are two Options in Liberal Studies: Concentrated Studies Option and Teaching and Learning Option.

For more information about one of the below options, click the blue title of the option.

Concentrated Studies Option

This option allows students to develop a Program of Study with a faculty advisor which focuses on a disciplinary or interdisciplinary area. In addition to students interested in non-traditional or interdisciplinary degree programs, this option will be of interest to students who have taken substantial course work from a four-year institution in a discipline not currently reflected in the majors at CSUCI.

Teaching and Learning Option

The Teaching and Learning Option provides multiple subject matter preparation for students to be admitted to the Multiple Subject Teaching Credential. The curriculum in this option has been submitted to the California Commission on Teaching Credentialing for approval. This option will provide critical subject matter preparation for passage of the CSET, as an admission requirement for our Multiple Subject Teaching Credential program.

Contact Us

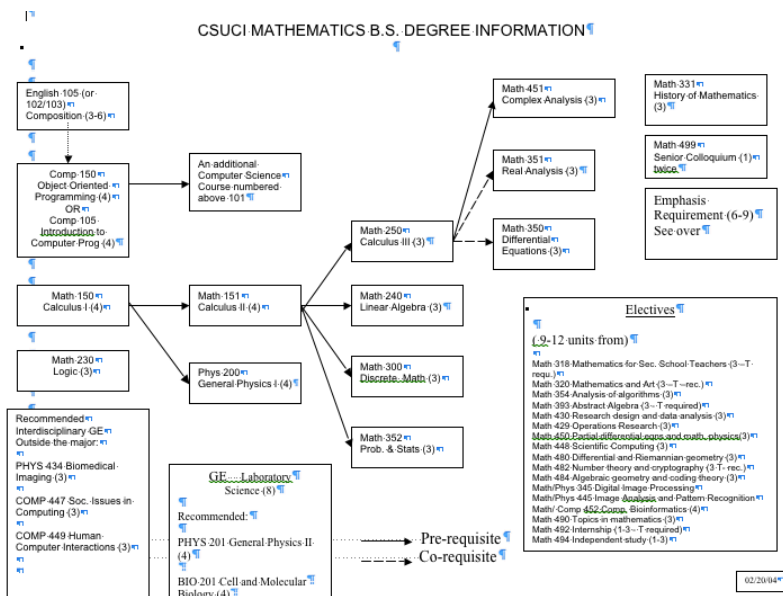
If you have questions about the Liberal Studies major, please contact the Advising Center (805-437-8571) or send an email message to liberalstudies@csuci.edu.

Quick Links

- [Capstone Project](#)

Student Success Partnership - Roadmaps Task Force Summary of Available Roadmaps by Major Majors from “M” through “S”

Math has a flowchart combined with a list of courses:



By the sophomore year, in order to plan their electives, students should decide on one of the following emphases and take all courses listed in the section. Choice of other emphases or individualized emphasis is possible upon approval of the mathematics advisor.

Emphasis	Units	Requirements
Biomathematics	6	Students selecting this emphasis should take Biol 201 Math 430 Research design and data analysis (3, GE B1, B3 Interdisciplinary) Math/Comp 452 Computational Bioinformatics (4)
Computer Science	12	Comp 350 Software Engineering (3) Math 488 Scientific Computing (3) Math 454 Analysis of Algorithms (3)
Physics	6	Students selecting this emphasis should take Phys 200 and 201 as their science sequence Upper division physics course
Applied Physics	6	Students selecting this emphasis should take Phys 200 and 201 as their science sequence Comp/Phys 345 Digital Image Processing (3) Comp/Phys 445 Image Analysis and Pattern Recognition (3)
Actuarial Sciences/Economics	9	Econ 300 Fundamentals of Economics (3, GE D) Econ 486 Introduction to Econometrics (3) Math 429 Operations research (3)
Business Management	9	Econ 300 Fundamentals of Economics (3, GE D) Math 429 Operations research (3) Upper division management course (3)
Cognitive Science	9	Math 430 Research design and data analysis (3) Psy 210 Learning, Cognition and Development (3) Upper division cognitive psychology course (3)
Education	9	Educ 512 Equity, Diversity and Foundation of Schooling (3) Math 318 Mathematics for secondary school teachers (3) Math 393 Abstract Algebra (3)
Applied Mathematics	9	Math 450 Partial differential equations and mathematical physics (3) Math 448 Scientific Computing (3, GE B3, B4 interdisciplinary) Math 429 Operations Research (3)
Digital Design	9	Math 393 Abstract Algebra (3) Art 108 Visual Technologies (3) Art 312 or Art 314 Digital Media (3)

Math also has 4, 5 and 6-year Roadmaps:

Four-Year Graduation Roadmap for B.S. in Mathematics

FIRST YEAR (32 Units)

FALL (16 Units)

- ENGL 105 Composition and Rhetoric (3, G.E. A1)
- MATH 150 Calculus I (4, G.E. B3)
- COMP 105 or 150 (4)
- G.E. Section A, C, D, or E (3)

SPRING (16 Units)

- MATH 151 Calculus 2 (4)
- MATH 230 Logic (3, G.E.)
- Second Computer Science elective course
- Physics I (4)
- G.E. Section A, C, D, or E (3)

SECOND YEAR (26 -29 Units)

FALL (13Units)

- MATH 250 Calculus III (3)
- MATH 240 Linear Algebra (3)
- G.E. Section A, C, D, or E (3-6)
- Physics, Biology, or Chemistry (4)

SPRING (13 Units)

- MATH 300 Discrete Mathematics (3)
- MATH 350 Diff'l Eq'ns and Dynamical Systems (3)
- G.E. Section A, C, D, or E (3)
- Physics, Biology, or Chemistry (second in the sequence) (4)

THIRD YEAR (24 -27 Units)

FALL (12-15 Units)

- Emphasis in Math course (3-6)
- MATH 342 Probability and Statistics (3, G.E. A3)
- MATH 351 Real Analysis (3)
- G.E. Interdisciplinary (3)
- G.E. Section A, C, D, or E (3-6)

SPRING (12 Units)

- Emphasis in Math course (3-6)
- MATH 452 Complex Analysis (3)
- G.E. Section A, C, D, or E (3-6)

FOURTH YEAR (22- 27 Units)

FALL (12-15Units)

- Emphasis in Math course (3-6)
- Math electives (3-6)
- Elective (3)
- G.E. (3-6)

SPRING (10-13 Units)

- Math 499 Senior Colloquium(1)
- Math electives (3-6)
- Elective (3)
- G.E. (3-6)

Nursing has a list of courses, but not really a roadmap, for the BA in nursing:

Generic (Basic) Track I (133 units)

Lower Division Requirements for the Bachelor of Science Degree in Nursing (36 Units)

- NRS 200 Introduction to Professional Nursing Practice (3)
- NRS 201 Professional Nursing Practice Laboratory (2)
- NRS 203 Therapeutic Nursing Communication Laboratory (0.5)
- NRS 204 Pharmacology of Nursing Practice (3.5)
- NRS 220 Nursing Care of Adults with Acute and Chronic Illness I (2)
- NRS 221 Nursing Care of Adults with Acute and Chronic Illness Laboratory I (2)
- NRS 222 Nursing Care of Adults with Acute and Chronic Illness II (4)
- NRS 223 Nursing Care of Adults with Acute and Chronic Illness Laboratory II (4)
- NRS 230 Nursing Care of Mothers, Infants and Women (2)
- NRS 231 Nursing Care of Mothers, Infants and Women Laboratory (2)
- NRS 232 Nursing Care of Children and Families (2)
- NRS 233 Nursing Care of Children and Families Laboratory (2)
- NRS 240 Psychiatric and Mental Health Nursing (3)
- NRS 241 Psychiatric and Mental Health Nursing Laboratory (2)
- NRS 260 Nutrition for Therapeutics and Health (2)

Upper Division Requirements for the Bachelor of Science Degree in Nursing (33 Units)

- NRS 306 Pathophysiology (3)
- NRS 350 Nursing Research (3)
- NRS 352 Health Promotion and Patient Education Strategies (3)
- NRS 391 Transition to Professional Practice Lab (2)
- NRS 401 Advanced Clinical Assessment Laboratory (2)
- NRS 420 Nursing Care of the Complex Client Across the Continuum (3)
- NRS 421 Nursing Care of the Complex Client Across the Continuum Laboratory (3)
- NRS 452 Community Health Nursing (3)
- NRS 453 Community Health Nursing Laboratory (3)
- NRS 460 Nursing Leadership and Professional Issues (3)
- NRS 461 Nursing Leadership and Professional Issues Laboratory (3)
- NRS 488 Transition to Professional Nursing Practice (2)

Required Supporting and Other GE Courses (67 Units)

1. Biology (15 units)

- BIOL 210 Anatomy and Physiology I (4)
- BIOL 211 Anatomy and Physiology II (4)
- BIOL 217 Microbiology GE B2 (4)
- BIOL 432 Principles of Epidemiology and Environmental Health (3)

2. Chemistry (4 units)

- CHEM 110 Chemistry of Life GE B1 (4)

3. Nutrition (3 units)

- NRS 260 Nutrition for Therapeutics and Health (3)

4. Mathematics/Statistics (3 units)

- Any General Education Category B3

5. Anthropology/ Sociology (6 units)

- ANTH 102 Cultural Anthropology GE C3b(3) or SOC 100 Introduction to Sociology (3)
- ANTH 443 Medical Anthropology: Cross Cultural Perspectives on Health and Healing GE D (3)

6. Psychology (6 units)

- PSY 100 Introduction to Psychology (3)
- PSY 213 Developmental Psychology GE D,E (3)

7. Other GE courses in Categories

Nursing has roadmaps for the RN to BSN :

Fast Track 14 Month Program

Semester offered	Summer Semester	Units Earned	Semester offered	Spring Semester	Units Earned
Summer	NRS 310 Transition	3	Spring	NRS 460 NRS Leadership	3
Summer	NRS 311 Transition Lab	2	Spring	NRS 461 NRS Leadership Lab	3
	Total	5	Spring	Bio 432 Epidemiology	3
				Total	9
Semester Offered	Fall Semester	Units Earned	Semester Offered	Summer Semester 2nd Year	Units Earned
Fall	NRS 350 Research	3	Summer	NRS 452 Community Health	3
Fall	NRS 352 Health Promotion & Patient Education	3	Summer	NRS 453 Community Health Lab	3
Fall	NRS 306 Pathophysiology	3	Summer	NRS 342 Complementary & Alt Health	3
	Total	9		Total	9
Semester Offered	Winter Semester 1st Year	Units Earned	Challenge Courses * * The Nursing Program will allow Challenge course credit for NRS 420 & 421 (6 units) upon successful completion of NRS 401		
Winter	NRS 401 Adv. Physical Assessment Lab	2			
Winter	NRS 420 & 421 L (Care of Complex client **)	3 units each total of 6 units			
Winter	ANTH 443 -Med Anthropology	3			
	Total	11			

RN to BSN 22 Month Program

Semester Offered	Fall Semester	Units Earned	Semester Offered	Fall Semester 2nd Year	Units Earned
Fall	NRS 350 NRS Research	3	Fall	NRS 401 Advanced Physical Assessment	2
Fall	NRS 352 Health Promotion & Patient Education	3	Fall	NRS 420 NRS Care Complex Client **	3
	Total	6	Fall	ANTH 443 Medical Anthropology	3
				Total	8
Semester Offered	Winter Semester	Units Earned	Semester Offered	Winter 2nd Year	Units Earned
Winter	NRS 310 Professional Role Transition	3	Winter	NRS 421 NRS Care Complex Lab **	3
Winter	NRS 311 Professional Role Transition lab	2	Winter	ANTH 443 Medical Anthropology	3
	Total	5		Total	6
Semester Offered	Spring Semester	Units Earned	Semester Offered	Spring Semester 2nd Year	Units Earned
Spring	NRS 306 Pathophysiology	3	Spring	NRS 460 NRS Leadership	3
Spring	NRS 432 Epidemiology	3	Spring	NRS 461 Nursing Leadership Lab	3
	Total	6		Total	6
Semester Offered	Summer	Units Earned	Challenge Course * ** The Nursing Program will allow Challenge course credit for NRS 420 & 421 (6 upper division units) upon successful completion of NRS 401		
Summer	NRS 452 Community Health Nursing	3			
Summer	NRS 453 Community Health Lab	3			
	Total	6			

Performing Arts has a list of courses and requirements, but not a road map:

<p>B.A. Degree in Performing Arts Performing Arts Core Requirements: 12 units Performing Arts Emphasis: 18 units Performing Arts Electives: 9 units General Education: 39 units Upper Division Interdisciplinary GE: 9 units Title V Courses: 6 units Electives in any Discipline: 27 Total units for the BA Degree: 120</p> <p>Performing Arts Major: 39 Units</p> <p>Lower Division Requirements - 3 units <i>Select one of the following:</i> PA 101 Introduction to the Performing Arts 3 PA 202 Integrating Dance, Music and Theatre 3</p> <p>Upper Division Requirements - 9 units <i>Select one of the following:</i> PA 335 Business and the Performing Arts 3 PA 350 Audience and Performance Studies 3 PA 360 Musical Theatre 3</p> <p><i>Required:</i> PA 391 Production 3 PA 499 Performing Arts Capstone 3</p> <p>Emphasis: Choose either Dance, Music, or Theater</p> <p>Dance Emphasis - 18 units PADA 255 Dance Composition and Improvisation 3 PADA 332 Dance in History 3 PADA 353 Jazz Dance II 3 PADA 354 Modern Dance II 3 PADA 455 Advanced Technique of Contemporary Dance Forms 3 PADA 458 Dance Ensemble 3</p> <p>Music Emphasis - 18 units <i>Select four courses from the following:</i> PAMU 161 Music Fundamentals 3 PAMU 231 The Beatles: Music, Fashion and Culture 3</p>	<p>PAMU 261 Music Theory 3 PAMU 337 Music in History 3 PAMU 330 Jazz in America 3 PAMU 332 World Music 3 PAMU 385 Audio Design and Recording 3 PAMU 435 The Music Museum 3</p> <p><i>Select six units from the following repeatable courses, in consultation with advisor:</i> PAMU 109 Private Lessons 1 PAMU 202 Group Guitar Lessons 2 PAMU 203 Group Voice Lessons 2 PAMU 307 University Chorus 1 PAMU 308 University Orchestra 1 PAMU 309 Private Lessons 1</p> <p>Theatre Emphasis - 18 units PATH 280 Acting I 3 PATH 281 Play Analysis 3 PATH 338 Theatre in History 3 PATH 382 Directing 3</p> <p><i>Select two of the following:</i> PATH 333 Multicultural Drama and Theatre 3 PATH 341 Modern American Drama and Theatre 3 PATH 342 Modern British and European Drama and Theatre 3 PATH 344 World Drama and Theatre 3</p> <p>Performing Arts Electives - 9 units. <i>Select nine units of elective courses from the following list:</i></p> <p>Note: Some courses listed as electives are required in one of the emphases but in other two emphases.) PA 101 Introduction to the Performing Arts 3 PA 202 Integrating Dance, Music and Theatre 3 PA 335 Business and the Performing Arts 3 PA 350 Audience and Performance Studies 3 PA 360 Musical Theatre 3 PA 383 Scenic Design 3 PA 384 Costume Design 3 PA 391 Production 3 (Repeatable for up to 12 units)</p>
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Political Science has a general chart and list of courses to choose from:

B.A. Political Science		Total	120
Requirements For The Bachelor Of A Units)		Lower Division Requirements (9 Units): <ul style="list-style-type: none"> • POLS 102 Comparative Government (3) • POLS 103 Introduction to International Politics (3) • POLS 150 American Political Institutions (3) 	
Requirement	Units	Upper Division Requirements (15 Units): <ul style="list-style-type: none"> • POLS 300 Research Methods in Political Science (3) • POLS 301 Political Theory (3) • POLS/SOC/PSY 303 Statistical Applications in the Social Sciences (3) • POLS 306 The Politics of Race and Ethnicity (3) • POLS 499 Capstone (3) 	
Lower Division Required	9	Upper Division Electives (15 units) Students should select a total of 15 units from the following list: <ul style="list-style-type: none"> • POLS 140 California Government (1) • ESRM 328 Introduction to Geographic Information Systems (3) • POLS 305 Gender and Politics (3) • POLS 315 Congress and the Presidency (3) • POLS 316 State and Local politics and policy (3) • POLS 317 Judicial Power and Process (3) • POLS 318 The Electoral Process • POLS 320 Public Administration (3) • POLS 321 Public Budgeting and Finance • POLS 325 American Public Policy (3) • POLS 326 Government and Politics of Selected Nations (3) • POLS 327 International Relations of Selected Areas (3) • POLS 328 American Foreign Policy (3) • POLS 330 Political Sociology (Same as SOC 330) (3) • POLS 331 Narratives of the Working Class (Same as ENG/ECO/HIST/SOC 331) (3) • POLS 335 Politics and Film (Same as COMM 335) (3) • POLS 340 Environmental Politics and Public Policy (Same as ESRM 340) (3) • POLS 345 Science and Public Policy (Same as BIOL 345) (3) • POLS 430 Political Communication (Same as COMM 430) (3) • POLS 490 Special Topics in Political Science (3) • POLS 492 Service Learning In Political Science (3) • POLS 493 Internship in Political Science (3) • POLS 494 Independent Research In Political Science (1-3) 	
Upper Division Required	15		
Upper Division Electives	15		
General Education	48		
Title V	3 (in addition to POLS 150)		
Free Electives	30		

Psychology has a list of requirements and elective courses to choose from:

Bachelor of Arts in Psychology (120 units)

A. General Education - **48 units** (See CSUCI catalog for details of the General Education requirements)

B. Lower Division Required Courses (**9 units**):

- PSY 100 Introduction to Psychology, 3 units
- PSY 202 Statistics (BIO/MATH), 3 units
- PSY 213 Developmental Psychology, 3 units

Students will need to obtain a grade of C or better to apply these courses to the psychology major. Students may substitute equivalent courses taken at other universities in each area by articulation agreement or by permission of the Psychology program. Nine units from these required lower division courses may be counted toward GE requirements.

C. Upper Division Required Core Courses (**28 units**)

Psychology majors normally take these courses at CI. Students may substitute equivalent courses taken at other universities in each area by articulation agreement or by permission of the Psychology program. All courses may be passed with a grade of C or better to apply toward the Psychology major.

- PSY 300 Psychological Research and Statistical Methods with Lab I, 4 units
- PSY 301 Psychological Research and Statistical Methods with Lab II, 4 units
- PSY 310 History and Systems of Psychology, 3 units
- PSY 312 Social Psychology, 3 units
- PSY 313 Clinical and Abnormal Psychology, 3 units
- PSY 314 Behavioral Neuroscience, 4 units
- PSY 317 Theories of Personality, 3 units
- PSY 318 Learning, Cognition and Perception

D. Upper Division Psychology Electives (**12-13 units**)

Psychology majors must take 12-13 units of Upper Division Psychology Electives. Up to 6 units from interdisciplinary Psychology courses numbered 330-349 or 430-449 may be double counted toward the upper division GE requirement. Not all courses will be taught in all years. Students must obtain a grade of C or better (or CR) in each of these courses to apply them to the psychology major. The current list of Upper Division Elective courses in Psychology is as follows:

- PSY 303 Statistical Applications in the Social Sciences (POLS/SOC), 3 units
- PSY 305 Field Research Methods, 3 units
- PSY 315 Child Psychopathology, 3 units
- PSY 327 Parenting, 3 units
- PSY 333 Measurement and Testing of Groups and Individuals, 3 units
- PSY 337 Psychological Ethics and Moral Philosophy, 3 units
- PSY 338 Psychology of Art and Artists (ART), 3 units
- PSY 339 Psychopathology and Literature (ENGL), 3 units
- PSY 340 History and Psychology of Nazi Germany (HIST), 3 units
- PSY 342 Complementary and Alternative Health (NURS), 3 units
- PSY 344 Psychology and Traditional Asian Thought, 3 units
- PSY 345 Individuals with Disabilities and Society, 3 units
- PSY 346 Psychology of Motivation, 3 units
- PSY 348 Healthy Aging (NRS/SOC), 3 units
- PSY 357 Psychology of Families, 3 units
- PSY 370 Fundamentals in Counseling Theory, 3 units
- PSY 383 Chicana/o/Latina/o Identity and Empowerment (CHS), 3 units
- PSY 400 Case Studies in Psychopathology and Clinical Psychology, 3 units
- PSY 410 Psychological Testing, 3 units
- PSY 415 Assessment of Children, 3 units
- PSY 420 African American Families, 3 units

Sociology has a list of requirements and electives to choose from:

Major Requirements

The Sociology Major is a 42 Unit major. Students are encouraged to declare a second major or minor in a related discipline, depending on their interests.

Lower Division Requirements (9 units):

SOC 100: Introduction to Sociology*
 SOC 201: Social Problems in a Service Learning Context*
 SOC 202: Introduction to Research Methods

Upper Division Requirements (18 units):

SOC/POLS/PSY 303: Statistical Applications In The Social Sciences
 SOC 310: Research Methods in Sociology
 SOC 350: Stratification and Social Class
 SOC 360: Race, Ethnicity and Power
 SOC 420: Sociological Theory
 SOC 421: Contemporary Sociological Theory
 SOC 499: Capstone.

Emphasis Requirements (12 units)

Select a minimum of 12 units in areas (1), (2) or (3). SOC 490, 492 and 494 must be cleared by instructor.

1. Institutions

SOC/ 330: Political Sociology (3)
 POLS
 SOC 412: Sex, Love and Money: The Family (3)
 SOC 370: Crime and Society (3)
 SOC/ 320: Sociology of Popular Culture (3)
 ENGL
 SOC 490: Topics in Sociology (3)
 SOC 492: Field Experience in Sociology (3)

 SOC 494: Independent Research (3)

3. Social Processes

SOC/ 330: Political Sociology (3)
 POLS
 SOC 440: Population Studies (3)
 SOC/BUS/ECON
 SOC 448: Sociology of Globalization and Development (3)
 SOC 340: Social Movements (3)
 SOC 490: Topics in Sociology (3)
 SOC 492: Field Experience in Sociology (3)
 SOC 494: Independent Research (3)

Electives (3 units)

Three upper division elective units in sociology outside the student's emphasis area (see above).

Required Supporting, GE Elective Courses (78 units)

American Institutions Requirement (6)
 Other GE Courses (45)
 Electives (27)

Students are encouraged to declare a minor or a second major in related fields based on their career interests. Possible combinations include, but are not limited to, Anthropology, Political Science, Psychology, Spanish and History.

Courses with an asterisk (*) may be double-counted towards GE credit. Students should have completed all lower division course requirements before moving into upper division major requirements.

Spanish has three different roadmaps to match typical student profiles:

Roadmaps

Five-year Roadmap to B.A. in Spanish

(for students with no background in Spanish)
CSU-Channel Islands

Year	Fall	Spring	Credits towards major
1	SPAN 101	SPAN 102	0
2	SPAN 201	SPAN 202	8
3	SPAN 301	SPAN 302 or SPAN 304	6
4	SPAN 310 Choose one: SPAN 315 SPAN 320	Choose two: SPAN 334 SPAN 350 SPAN 415 SPAN 420 SPAN 460/461/462	12
5	Choose two: SPAN 429 SPAN 410/411 SPAN 460/461/462 HIST 402 or ART 333	SPAN 499 (capstone)	8

Required courses: SPAN 201, 202, 301 or 302, 310, 315, 410 or 411.

Four-year Roadmap to B.A. in Spanish

(assumes 200-level readiness)
CSU-Channel Islands

Year	Fall	Spring	Credits towards major
1	SPAN 201 or 211	SPAN 202 or 212	8
2	SPAN 301	SPAN 302 or SPAN 304	6
3	SPAN 310 Choose one: SPAN 315 SPAN 311 SPAN 320	Choose two: SPAN 334 SPAN 350 SPAN 415 SPAN 460/461/462 SPAN 420	12
4	Choose two: SPAN 429 SPAN 410/411 SPAN 450 SPAN 460/461/462	SPAN 499 (capstone)	8

Two-year Roadmap to B.A. in Spanish

(for transfer students; assumes 300-level readiness)
CSU-Channel Islands

Year	Fall	Spring	Credits towards major
3	Choose three: SPAN 301 SPAN 304 SPAN 310 SPAN 311 SPAN 315 SPAN 320	Choose three: SPAN 302 SPAN 304 SPAN 334 SPAN 350 SPAN 410/411 SPAN 420 SPAN 460/461/462	18
4	Choose three: SPAN 429 SPAN 410/411 SPAN 450 SPAN 460/461/462 HIST 402 or ART 333	SPAN 499 (capstone) Choose two: SPAN 410/411 SPAN 415 SPAN 429 HIST 402 or ART 333 SPAN 450 SPAN 460/461/462	17