

BA IN LIBERAL STUDIES (MATHEMATICS)

In Workflow

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Approval Path

1. Fri, 22 Feb 2019 05:08:35 GMT
Mical Shilts (shiltsm): Rollback to Initiator
2. Mon, 25 Feb 2019 17:24:43 GMT
Mical Shilts (shiltsm): Approved for SSIS College Committee Chair
3. Wed, 06 Mar 2019 23:13:39 GMT
Marya Endriga (mendriga): Approved for SSIS Dean
4. Wed, 03 Apr 2019 21:56:24 GMT
212408496: Approved for Academic Services
5. Thu, 02 May 2019 19:58:44 GMT
Katherine Chalmers (chalmers): Rollback to SSIS College Committee Chair for Senate Curriculum Subcommittee Chair
6. Tue, 07 May 2019 18:00:40 GMT
Mical Shilts (shiltsm): Rollback to Initiator
7. Tue, 10 Sep 2019 17:12:33 GMT
Mical Shilts (shiltsm): Approved for SSIS College Committee Chair
8. Mon, 16 Sep 2019 18:28:51 GMT
Marya Endriga (mendriga): Approved for SSIS Dean

History

1. May 4, 2018 by clmig-jwehrheim
2. Aug 7, 2018 by 212408496
3. Oct 2, 2018 by 212408496

Date Submitted: Wed, 04 Sep 2019 18:12:55 GMT

Viewing: BA in Liberal Studies (Mathematics)

Last approved: Tue, 02 Oct 2018 17:46:39 GMT

Last edit: Wed, 04 Sep 2019 18:12:52 GMT

Changes proposed by: Timothy Fong (101060527)

Academic Group: (College)

Social Sciences & Interdisciplinary Studies

Academic Organization: (Department)

Asian Studies; Social Science & Interdisciplinary Studies

Catalog Year Effective:

2020-2021 Catalog

Individual(s) primarily responsible for drafting the proposed degree major program:

Name (First Last)	Email	Phone 999-999-9999
Timothy Fong	tfong01@csus.edu	916-278-6432

Type of Program Proposal:

Major

Program Change Type:

Non-Substantive

Title of the Program:

BA in Liberal Studies (Mathematics)

Designation: (degree terminology)

Bachelor of Arts

Briefly describe the program proposal (new or change) and provide a justification:

Minor changes in program description and re-authorization of the Subject Matter Waiver.

Objectives of the degree program:

BA Degree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Knowledge of human cultures and the physical and natural world
Integrative learning
Personal and social responsibility
Intellectual and practical skills

Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

Yes

For the Council for the Preparation of School Personnel (to be filled out with assistance of your department chair):

Does this program change impact your department's currently written Program Standards Document?

No

Common Standards: In what way does this course or program change impact the currently written Common Standards document? Please include any suggested language changes.

N/A

Is this change in response to program or unit assessment activities?

No

Will this program introduce any new or changes to program assessments?

No

Do these changes impact the Smart Planner roadmap?

No

Catalog Description:

Units required for Major: 100-103

Total units required for BA: 120

Program Description

The Liberal Studies program is an interdisciplinary major, which encompasses a wide variety of areas of knowledge in a multidisciplinary curriculum. The program provides a broad academic program that encourages academic excellence, diversity, community, and collaboration. There are two tracks in the Liberal Studies Program: Pre-Credential and General.

•The Pre-Credential program is a multidisciplinary major designed for students who intend to become K-8 or special education teachers in California, and it has been approved by the California Commission on Teacher Credentialing. Its purpose is to provide beginning teachers with a strong grounding in the wide ranging subject matter that will be needed to be effective teachers. The core section is comprised of courses in reading, language and literature, mathematics, natural science, history and social sciences, visual and performing arts, physical education, human development, and health. The Pre-Credential program requires a 12-unit concentration.

•The General program is designed for students who are interested in a multidisciplinary major, but who do not necessarily plan to become teachers. The Liberal Studies major is an excellent preparation for careers in government service, public administration, business, management, community service, counseling, law, librarianship, public health, as well as professional or graduate school. This major requires students to include a minor.

The Liberal Studies major is a complex program requiring early and continuing contact with an adviser. Students meet with an adviser at least once each semester to provide a hands-on approach to learning. Students must complete 120 units and meet the University foreign language requirement in order to earn a Bachelor of Arts degree. Students are urged to obtain advice as early as possible to avoid delays in the completion of these requirements. The Liberal Studies program director and faculty and staff advisers are located in Lassen Hall 2008, (916) 278-6342.

Admission Requirements: Course prerequisites and other criteria for admission of students to the degree major program, and for their continuation in it.

Minimum Grade Requirement

A minimum grade of "C-" is required in all courses applied to the Liberal Studies major.

Requirements for Concentrations (Pre-Credential Program)

All concentrations require a minimum of 12 units, 3 of which may overlap with the core course requirements (except for concentration in multicultural studies). Students who wish to complete requirements for a supplementary authorization in any CCTC-approved discipline, which allows them to teach the subject matter typically taught in grades K-9, should see an adviser for important information.

Requirements for the General Program

Students who are following the General Liberal Studies program will complete a minor instead of a concentration. Please talk to an adviser for more information.

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)

Program Requirements

Code	Title	Units
Core Requirements for Pre-Credential program (88 Units)¹		
<i>Reading, Language and Literature</i>		
COMS 5	The Communication Experience ²	3
ENGL 5	Accelerated Academic Literacies ²	3
ENGL 16	Structure Of English	3
ENGL 20	College Composition II ^{2,3}	3
ENGL 116A	Studies in Applied Linguistics	3
ENGL 116B	Children's Literary Classics	3
<i>Mathematics⁴</i>		
MATH 17	An Introduction to Exploration, Conjecture, and Proof in Mathematics ²	3
MATH 107A	Fundamental Mathematical Concepts	3
MATH 107B	Fundamental Mathematical Concepts	3
<i>Natural Science</i>		
BIO 7	Introduction to the Science of Biology ²	4
CHEM 106	Chemical Concepts	3
GEOL 8	Earth Science ²	3
GEOL 8T	Earth Science Lab for Teachers	1
PHYS 107	Conceptual Physics and Scientific Inquiry	4
<i>Social Science and Humanities</i>		
GEOG 100	Themes In World Geography	3
HIST 17A	United States History, 1607-1877 ²	3
HIST 50	World Civilizations, Beginnings-1600 ²	3
HIST 132	Topics In World History	3
HIST 187	Topics in United States History 1600-1900	3
or ECON 104	Introduction to the United States Economy	
LBST 110	California Studies	3
POLS 1	Essentials Of Government ²	3
<i>Visual and Performing Arts</i>		
ART 133	Art Education for Children	3
MUSC 101	Experiences In Music	3

THEA 118	Children's Theatre	3
<i>Physical Education</i>		
KINS 172	Movement Education	3
<i>Health Science</i>		
PUBH 136	School Health Education	2
<i>Human Development</i>		
CHDV 35	Child and Adolescent Development	3
<i>Integrative Study</i>		
HRS 162	American Space and Identity	3
or MATH 107C	Elementary Mathematics and the Learning Process	
<i>Field Experience</i>		
CHDV 35F	Human Development and Elementary Field Experience	2
Select one of the following:		3
EDUC 194	Cooperative Education Experience	
EDUC 124A & EDUC 124B	Tutoring Children in Mathematics Tutoring Children in Mathematics: Practicum	
EDUC 125A & EDUC 125B	Tutoring Children in Reading Tutoring Children in Reading Practicum	

Summative Assessment Requirement

The Liberal Studies Pre-Credential Program is in compliance with California Commission on Teacher Credentialing standards, and students who complete this major are waived from taking the California Subject Matter Examination (CSET).

Requirements for Concentrations (for pre-credential program) (12-15 Units)

Select one of the following concentrations:	12 - 15
Linguistics/Composition	
Literature	
Foreign Language	
United States History	
World History	
California Studies	
American Studies	
Multicultural Studies	
Mathematics	
Natural Science	
Art	
Music	
Theatre	
Physical Education	
Human Development	

Total Units 100-103

- 1 The Core Requirements for the General program are similar to the Core Requirements for the Pre-Credential program except there are a number of substitutions that can be made. Please see an adviser for more information.
- 2 Course also satisfies General Education (GE)/Graduation Requirement.
- 3 Course to meet critical thinking requirement. See adviser for specific options.
- 4 Students who complete a mathematics concentration may substitute MATH 30, MATH 31, and MATH 35 for the above requirements. In addition, there are other ways of completing a concentration in mathematics. For further information on a concentration in mathematics, please consult the mathematics adviser in Liberal Studies.

Concentration in Mathematics

Code	Title	Units
MATH 102	Number Theory	3
MATH 107C	Elementary Mathematics and the Learning Process	3
MATH 121	College Geometry	3
MATH 190	History Of Mathematics	3

Total Units 12

Note: The courses given above are one path for completing a mathematics concentration. There are other ways of completing a mathematics concentration - please consult the mathematics advisor in Liberal Studies for more information.

General Education Requirements ¹

Code	Title	Units
Area A: Basic Subjects		
A1	Oral Communication ²	0
A2	Written Communication ²	0
A3	Critical Thinking ²	0
Area B: Physical Universe and Its Life Forms (3 Units)		
B1	Physical Science ²	0
B2	Life Forms ²	0
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) ²	0
B4	Math Concepts ²	0
B5	Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements.	3
Area C: Arts and Humanities (9 Units)		
C1	Arts	3
C2	Humanities ²	0
C1/C2	Area C Course	3
C1/C2	Area C Course - Take upper-division course to complete Area & upper division requirements.	3
Area D: The Individual and Society (6 Units)		
Area D Course ²		0
Area D Course ²		0
Area D Course		3
Area D Course	- Take upper-division course to complete Area & upper division requirements.	3
Area E: Understanding Personal Development (3 Units)		
Area E Course		3
Total Units		21

¹ To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).

Note: There is no way to list all possible overlaps so please consult with a professional adviser. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email (advising@csus.edu).

² Required in Major; also satisfies GE.

Graduation Requirements ¹

Code	Title	Units
Graduation Requirements (required by CSU) (3 Units)		
American Institutions: U.S. History ²		0
American Institutions: U.S. Constitution & CA Government ²		0
Writing Intensive (WI)		3
Graduation Requirements (required by Sacramento State) (6 Units)		
English Composition II ²		0
Race and Ethnicity in American Society (RE) ²		0
Foreign Language Proficiency Requirement ³		6

¹ To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>).

Note: There is no way to list all possible overlaps so please consult with a professional adviser. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email (advising@csus.edu).

² Required in Major; also satisfies Graduation Requirement.

³ If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: <https://www.csus.edu/wll/flgr/>

Fiscal Impact to Change an Existing Program

Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:

N/A

Provide a fiscal analysis of the proposed changes:

N/A

How will the above changes be accommodated within the department/College existing fiscal resources?

N/A

Will the proposed changes require additional resources?

No

What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?

N/A

Estimate the cost and indicate how these resource needs will be accommodated:

N/A

Reviewer Comments:

Mical Shilts (shiltsm) (Fri, 22 Feb 2019 05:08:35 GMT):Rollback: Please see email for details on minor changes requested.

Katherine Chalmers (chalmers) (Thu, 02 May 2019 19:58:32 GMT):Sufficient typos and inconsistent language used that proposal is being returned to college-level committee for revision in cooperation with proposal's author.

Katherine Chalmers (chalmers) (Thu, 02 May 2019 19:58:45 GMT):Rollback: Sufficient typos and inconsistent language used that proposal is being returned to college-level committee for revision in cooperation with proposal's author.

Mical Shilts (shiltsm) (Tue, 07 May 2019 18:00:40 GMT):Rollback: To address minor errors and inconsistencies.

Key: 360