

**Office of the President
California State University, Chico**



Executive Memorandum 21-003

February 23, 2021

From: Gayle E. Hutchinson, President

Subject: Approval of the New Option in Agricultural Communication and Leadership within the BS in Agricultural Science

Upon the recommendation of the Academic Senate and with the concurrence of the Provost, I approve the new Option in Agricultural Communication and Leadership within the BS in Agricultural Science, College of Agriculture. The new option will require 31 units, will use CSU code 01015 with a related CIP code of 01.0802, and will be effective fall 2021.

Policy Title:	EM 21-003 Option in Agricultural Communication and Leadership
Contact:	College of Agriculture
Supersedes:	
Revision:	
Enabling Legislation or Executive Order:	

New Undergraduate Option

Program Name: Agricultural Communication and Leadership

Program named above is an option within:

Agricultural Science

(degree program name)

Department Contact(s) w/phone #(s):

Mollie Aschenbrener (530-520-6018)

Required Signatures

The Department of n/a
has reviewed and approved this new program

Celina Phillips 11/5/2020
Chair, Department Curriculum Committee Date

Eric Houk 11/9/2020
Department Chair Date

The College of Agriculture
has reviewed and approved this new program

Celina Phillips 11/5/2020
Chair, College Curriculum Committee Date

John Unruh 11/09/2020
College Dean Date

Send signature page with proposal attached to Curriculum Services at zip 128

Curriculum Review Completed _____
Date

Note: The department will be notified of the dates for EPPC, Academic Senate, WASC, and Chancellor's Office review.

California State University, Chico
Chico, California 95929-0310



College of Agriculture
Phone: 530-898-3056
Fax: 530-898-5845
<http://www.csuchico.edu/ag/>

The College of Agriculture Curriculum Committee Meet on Friday, October 26th to review both the ANSC proposed changes and the AGED Significant Change Proposal and the Option in Agricultural Communication and Leadership.

The following items were approved for the ANSC program:

Course Syllabi for the ANSC 294 and 394 courses, along with the New Course Proposals and the CPR forms. ANSC 294 and 394 will provide a portion of the necessary coursework for certification in Rangeland Management



The AGED Proposals (both significant change and option) were approved with a 3-1 vote.

Respectfully,

Handwritten signature of Mollie Aschenbrenner in black ink.

Mollie Aschenbrenner, Chair

Handwritten signature of Cynthia Daley in black ink.

Cynthia Daley, member

Handwritten signature of Eric Houk in black ink.

Eric Houk, member

Handwritten signature of Richard Rosecrance in black ink.

Richard Rosecrance, member

Proposal for a New Option

- I. Proposed program title: Agricultural Communication and Leadership
- II. Intended implementation date is the 2021-22 academic year.
- III. College of Agriculture
 - A. Agricultural Science
 - B. Level of the option is undergraduate
- IV. Statements on questions of need and demand
 - A. Relation of the program to the University [Strategic Plan](#)

This proposal addresses the Strategic Plan of the University, specifically addressing strategic priority one, three, four, and five.

The desire to develop high-quality learning environments, both inside and outside the classroom (priority one), is paramount to this proposal. For example, utilizing a diverse faculty from two colleges – Agriculture and Communication & Education – adds strength to the learning environment. The opportunity for students within this option to participate in national agricultural communication competitions expands the impact beyond the classroom.

The Option in Agricultural Communication and Leadership would address the desire to provide the technology, related training, and the support needed to create high-quality learning environments both inside and outside of the classroom (priority three).

Technology is an essential component in the agricultural communication field and will be strengthened by using resources from courses offered by Chico State's Departments of Communication Arts & Sciences and Journalism & Public Relations. The revised degree program would meet the needs of the North State (priority four).

Further, the option seeks to be an example of effective resources for the state (priority five) as we pursue a unique and innovative approach to creating an option served by two colleges to meet student demand for education in Agricultural Communication & Leadership.

- B. Need for the proposed option
 1. Identify other CSU campuses with the proposed option

California Polytechnic State University, San Luis Obispo is the only CSU that currently offers a bachelor's degree in Agricultural Communication. This program began as an option and quickly grew and became established as a major in 2012. No other CSU offers an option or degree in agricultural communication. (see pp. 10-12)

2. Identify neighboring institutions with the proposed option

Cal Poly is the only institution in California with a major or option in agricultural communication. Prominent agricultural communication programs are found at Texas Tech University, Kansas State University, Texas A&M, Oklahoma State University, and Purdue University.

3. Identify differences, if any, between these programs and the proposed program

The CSU, Chico Option in Agricultural Communication and Leadership would be similar in nature to the program at Cal Poly, but would be a unique addition to serve the north state. The proposed degree option also follows programs such as Kansas State and Texas Tech University that utilize journalism, public relations, and communication programs to create an interdisciplinary aspect to agricultural communication.

C. Identify other closely related curricula currently offered by the campus

1. Explain the impact the proposed option will have on these programs.

Four courses in the Department of Journalism & Public Relations are included in the option. Two of the five are large-lecture courses (JOUR 255 and 265) with capacity to accommodate additional students. Two are writing-intensive courses that are capped at 25 students per class (JOUR 260W and 341W). It is likely that additional sections of those courses could be necessary in the future. Faculty from the Department of Journalism & Public Relations have been actively involved in the creation of this option and the program is ready, willing and able to welcome Agricultural Communication and Leadership students into its classes.

The option also includes one course from the Communication Studies program, Intercultural Communication (CMST 235), which also is a Chico State GE course (Area E and USD). Agricultural Communication & Leadership majors are additionally required to take CMST 133 to enhance their public speaking skills.

Nine upper-division elective units also are required from CMST or JOUR. There are ample offerings in both programs to accommodate early growth in enrollments from the new option.

Although some students interested in agricultural communication currently pursue minors in agriculture, journalism, or communication, the impact to these minors is expected to be low and the new option will allow more efficient and effective advising of students with this career interest. The proposed option should reduce the number of semesters required for students to graduate if they can complete an option instead of a minor. Finally, this proposed option addresses a clear need by industry and should increase the number of applicants to CSU, Chico.

2. Explain how current programs do not meet the proposed option's objectives

The Option in Agricultural Communication and Leadership allows students to connect agriculture to communication and meet industry demand for graduates with experience in both agriculture and communication.

Currently, students interested in agricultural communication can either major in agricultural science and pursue a minor in journalism or communication, or major in journalism or communication and pursue a minor in agriculture.

Students who choose to major in agriculture, a relatively high unit-count major (78-83 units), and minor in communication studies or journalism (both 21 units) have difficulty graduating in four years.

Students who major in communication studies (45 units) or journalism (48 units) and minor in agriculture (24 units) have little problem completing an ag minor and graduating within four years. They do not, however, have the intensive agriculture industry education and training that jobs in ag communication require.

The proposal would streamline the process for students focused on ag communication careers by enabling them to complete an agriculture science major with the communication and leadership skills they need. This will improve time to degree.

D. Student demand for the program

1. Give evidence of serious student interest in the proposed option

Currently, students requesting career information provided by the College of Agriculture at events such as the California State FFA Conference frequently request agricultural communication and seek to determine if Chico State offers a degree or option in this area.

Additionally, students may currently follow a suggested course list for elective options if they desire a focus in agricultural communication. Although these courses are suggested in the existing course catalog, the lack of a formal option prevents visibility and limits potential students from pursuing agricultural communication at Chico State.

2. Estimated number of students seeking the option
 - a. in the year of initiation, an estimated 15 students will enroll in this option.
 - b. after three years, given the growth from similar programs at CSUs, it estimated that 25 students will select this option.

- c. after five years it is estimated that student enrollment will approach 40 students.
 - d. Describe methodology for developing these estimates
The potential growth rate for the proposed option at Chico State was estimated by reviewing the growth rate at Cal Poly, which increased from 52 students in the fall of 2012 to 142 students in the fall of 2016.
3. Estimate the number of options awarded
- a. in the year of initiation of the new option, it is estimated that students will take four years to complete the program and for the options to be awarded.
 - b. after three years, an estimated 10 students will complete the option, given transfer students will be the first to complete the program.
 - c. after five years, an estimated 30 students will complete the program after five years.
 - d. Describe methodology for developing these estimates
The primary method used to develop these estimates is the growth in agricultural communication programs across the country, including within the CSU at Cal Poly, San Luis Obispo.

E. Identify professional uses for the proposed option.

The professional use for this proposal is well established. Agricultural communication programs have existed for over 100 years. Considering the growth in students applying for agricultural communication degrees across the country, CSU, Chico is well suited to address this industry need. Enrollment in this content area has grown tremendously at the only other CSU to offer agricultural communication (Cal Poly, SLO).

An agricultural communication degree offers opportunities to pursue career opportunities in public relations and with government agencies, agricultural commodity associations, newspapers, radio and TV stations, magazines, non-profit, and other organizations.

V. Resources

A. List the faculty members for the required courses in the program

All courses are currently in the university catalog and being taught by current faculty.

B. List the faculty members for the elective courses in the program

All faculty in the College of Agriculture, the Department of Journalism & Public Relations, and the Communication Studies program could potentially teach option courses.

- C. List the resources needed to sustain the program for the first five years, including cost and funding source

Faculty: no additional faculty are anticipated

Staff: No additional staff are expected

Facilities: No additional facilities are required

Library resources: provide evidence of consultation with the Library
Consultation with the library has been completed (see p. 13)

Deans indicating that the program can be supported (see pp. 14 & 15)

Equipment: No additional equipment will be required

Specialized material: Specialized materials will not be required

- D. Additional support resources required, including source of support

Given the use of existing classes in a collaborative nature, no additional support resources are required nor anticipated in the next five years.

VI. Curriculum

The Option in Agricultural Communication and Leadership is a collaborative, cross-disciplinary venture and draws exclusively from existing courses offered by the College of Agriculture, Department of Journalism & Public Relations, and Communication Studies program.

VII.

- A. Total number of units required for option
The Option in Agricultural Communication and Leadership would require 31 units.
- B. Special criteria for admission and/or continuation (if applicable)
N/A
- C. Explanation of any special program characteristics (e.g., terminology, credit units required, types of coursework, etc.)
- D. List all new courses for the proposed program
No new courses for the proposed program are required. The option utilizes existing courses and will not necessitate new courses to initiate the program. No courses will be added during the first two years of implementation
- E. List all required courses for the program

Course Number	AGRI 380A
Course Title	Agricultural Leadership
Units of Credit	3

Course Number	AGRI 380B
Course Title	Leadership in the Workplace
Units of Credit	3

Course Number	CMST 133
Course Title	Speech and Debate Practicum
Units of Credit	1
Course Number	CMST 235
Course Title	Intercultural Communication
Units of Credit	3 (GE Area E and U.S. Diversity)

Course Number	JOUR 255
Course Title	Digital Media Literacy
Units of Credit	3 (GE Area E)

Course Number	JOUR 260W
Course Title	Writing for Mass Media
Units of Credit	3 (GE Writing Intensive)

Course Number	JOUR 265
Course Title	Survey of PR & Media Relations
Units of Credit	3

Course Number	JOUR 341W
Course Title	Writing for PR
Units of Credit	3 (GE Writing Intensive)

F. List all elective courses for the program

Course Number	Any upper-division CMST or JOUR course
Course Title	
Units of Credit	9 total units

G. For undergraduate options, explain provisions for articulation of the proposed option with community college courses.

The option allows for 18 units of lower division agriculture elective courses that are transferable from community colleges. This is the least prescriptive of all major/options in the College.

- H. For undergraduate options, will the new option be matched to an existing associate degree, as specified in [SB 1440](#), and if so, is it certain that the new degree option will not require a student to repeat courses similar to those taken for the associate degree?

The proposed Option in Agricultural Communication and Leadership will not be matched to an associate degree and will not require students to repeat courses.

I. Writing Requirement

1. For an undergraduate option, list the number and title of the Graduation Writing Assessment (GWAR) course for the option. List the GWAR course for the degree program if it is different from the GWAR course for the option.

Both options in the agricultural science major will complete AGRI 482W, Agricultural Issues. In addition, three other courses in the proposed Option in Agricultural Communication and Leadership are writing intensive (ENGL/JOUR 130W, JOUR 260W, and JOUR 341W).

- J. Complete catalog copy, including full degree requirements (i.e., a catalog description of the full degree program, not just the option being proposed), and admission and completion requirements. See the current University Catalog for correct format; please follow it exactly. Before the proposal is submitted to Academic Affairs (for undergraduate options) or to the Office of Graduate Studies (for graduate program options), it may be helpful to review catalog copy with Academic Publications.

The revised catalog copy begins on page 16.

- K. For undergraduate programs, include a [Major Academic Plan](#) (MAP) with the proposal. If you have questions or need help, contact [Academic Advising Programs](#).

Please see page 24 for the Major Academic Plan for the proposed option in Agricultural Communication & Leadership.

Attach the [Undergraduate Program Signature](#) form or the [Graduate Program Signature form](#) to the front of the proposal and submit to Curriculum Services in Undergraduate Education or the Office of Graduate Studies after all department and college reviews are complete.

CSU Enrollment

Fall 2016									
Type	Chico*	Fresno**	Pomona	SLO	Stan	C Tot	IP	CST	G Tot
Ag Communication									
F	0	0	0	139	0	139	0	0	139
P	0	0	0	3	0	3	0	0	3
T	0	0	0	142	0	142	0	0	142
Ag Science and Education									
F	0	178	116	102	0	396	0	0	396
P	0	6	6	3	0	15	0	0	15
T	0	184	122	105	0	411	0	0	411
Ag Studies/Ag Science									
F	0	0	0	0	67	67	0	0	67
P	0	0	0	0	15	15	0	0	15
T	0	0	0	0	82	82	0	0	82
Agriculture									
F	109	0	0	0	0	109	0	0	109
P	2	0	0	0	0	2	0	0	2
T	111	0	0	0	0	111	0	0	111
Fall 2015									
Type	Chi	Fre	Pom	SLO	Sta	C Tot	IP	CST	G Tot
Ag Communication									
F	0	0	0	118	0	118	1	0	119
P	0	0	0	5	0	5	0	0	5
T	0	0	0	123	0	123	1	0	124
Ag Science and Education									
F	0	146	92	87	0	325	0	0	325
P	0	8	7	4	0	19	0	0	19
T	0	154	99	91	0	344	0	0	344
Ag Studies/Ag Science									
F	0	0	0	0	56	56	0	0	56
P	0	0	0	0	9	9	0	0	9
T	0	0	0	0	65	65	0	0	65
Agriculture									
F	90	0	0	0	0	90	2	0	92
P	3	0	0	0	0	3	0	0	3
T	93	0	0	0	0	93	2	0	95

Fall 2014									
Type	Chi	Fre	Pom	SLO	Sta	C Tot	IP	CST	G Tot
Ag Communication									
F	0	0	0	118	0	118	0	0	118
P	0	0	0	0	0	0	0	0	0
T	0	0	0	118	0	118	0	0	118
Ag Science and Education									
F	0	135	101	122	0	358	0	0	358
P	0	1	5	4	0	10	0	0	10
T	0	136	106	126	0	368	0	0	368
Ag Studies/Ag Science									
F	0	0	0	0	55	55	0	0	55
P	0	0	0	0	13	13	0	0	13
T	0	0	0	0	68	68	0	0	68
Agriculture									
F	87	0	0	0	0	87	3	0	90
P	1	0	0	0	0	1	0	0	1
T	88	0	0	0	0	88	3	0	91
Fall 2013									
Type	Chi	Fre	Pom	SLO	Sta	C Tot	IP	CST	G Tot
Ag Communication									
F	0	0	0	99	0	99	0	0	99
P	0	0	0	5	0	5	0	0	5
T	0	0	0	104	0	104	0	0	104
Ag Science and Education									
F	1	127	78	131	0	337	0	0	337
P	0	3	10	6	0	19	0	0	19
T	1	130	88	137	0	356	0	0	356
Ag Studies/Ag Science									
F	0	0	0	0	55	55	0	0	55
P	0	0	0	0	14	14	0	0	14
T	0	0	0	0	69	69	0	0	69
Agriculture									
F	85	0	0	0	0	85	0	0	85
P	3	0	0	0	0	3	0	0	3
T	88	0	0	0	0	88	0	0	88
Fall 2012									

Type	Chi	Fre	Pom	SLO	Sta	C Tot	IP	CST	G Tot
Ag Communications									
F	0	0	0	51	0	51	0	0	51
P	0	0	0	1	0	1	0	0	1
T	0	0	0	52	0	52	0	0	52
Ag Science and Education									
F	0	118	63	162	0	343	0	0	343
P	0	4	12	8	0	24	0	0	24
T	0	122	75	170	0	367	0	0	367
Ag Studies/Ag Science									
F	0	0	0	0	50	50	0	0	50
P	0	0	0	0	20	20	0	0	20
T	0	0	0	0	70	70	0	0	70
Agriculture									
F	80	0	0	0	0	80	0	0	80
P	5	0	0	0	0	5	0	0	5
T	85	0	0	0	0	85	0	0	85

*Chico reports Ag Science/Education option as Agriculture

**Fresno combines Ag Education and Ag communications options as Ag Science and Education

Source: http://www.calstate.edu/as/stat_reports/degree.shtml (Select year then table 4)

Letter of Support: Library

Meriam Library
California State University, Chico

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MEMORANDUM

To: Dr. Mollie Aschenbrener

From: Marc Langston

Date: June 11, 2018

Subject: Library materials support for Agriculture program changes, specifically the new Agricultural Science and Communication option

The proposed option in Agricultural Science and Communication uses only existing courses in Agriculture and Journalism. The Meriam Library currently supports these two departments with the following holdings:

Agriculture

Print Books: 10,183 titles

Print Journals: 747 titles

E-books: 1,449 titles

E-journals: 1,140 titles

Databases: Agricola, CAB Abstracts, Academic Search, American Chemical Society, Science Direct

Journalism

Print Books: 2,072

Print Journals: 56

E-books: 482

E-journals: 79

Databases: Academic Search, Communication & Mass Media Complete, America's News, ProQuest Newsstand, JSTOR

In addition to resources currently held in the Library, Agriculture and Journalism are allotted an annual book budget to purchase new library materials. The Library's Agriculture and Journalism librarians, who also make available information literacy instruction to students, oversee selection of these new materials.

The Meriam Library currently provides adequate access to both electronic and physical library and learning resources that would support the new Agricultural Science and Communication option.

Letter of Support: Dean John Unruh, College of Agriculture

California State University, Chico
Chico, California 95929-0310
College of Agriculture
530-898-5844
Fax: 530-898-5845
www.csuchico.edu/ag



DATE: April 20, 2018

TO: EPPC
Academic Senate
Chancellor's Office

FROM: John Unruh, Dean
College of Agriculture

A handwritten signature in blue ink, appearing to read 'JU'.

SUBJECT: Elevate Undergraduate Option to Degree
Agriscience and Communications



The College of Agriculture supports the elevation of the Agriscience and Education option in Agriculture to a standalone degree in Agriscience and Communications. Currently, the degree in Agriculture offers two options: Crops, Horticulture and Resource Management; and Agriscience and Education. These two options do not share at least fifty-percent of their coursework, as mandated by the Chancellor's Office EO1071. The elevation of this option to a standalone BS degree aligns with similar degrees in other Colleges of Agriculture. The updated degree has been shared with our advisory group of stakeholders and alumni. They enthusiastically supported this elevation to a degree.

The Agriculture Education program is committed to the university's mission and goals with graduates in high demand in Education and the Agriculture Industry. The College of Agriculture has and will continue to provide support for this program through this change and into the future.

The California State University

Letter of support: Associate Dean Deborah Summers, College of Communication & Education



400 West 1st Street
Chico, CA 95929
530-898-4015

TO: EPPC
Academic Senate
Chancellor's Office

From: Angela Trethewey, Dean
Deborah Summers, Associate Dean and
Educational Preparation Providers Unit (EPP Unit) head

Date: November 3, 2020

The College of Communication and Education (CME) and the All University Responsibility for Teacher Education Committee (AURTEC) support the elevation of the Agriscience and Education option in the BS in Agriculture to a stand-alone BS degree in Agricultural Science with options in agricultural education and communication.

In particular, the option in agricultural education will allow students to obtain the subject matter competency needed to apply for admission to a teacher credential program and allow students to complete prerequisite credential coursework while obtaining their undergraduate degree. AURTEC was consulted about this plan and previous versions. The option in agriculture education provides future teachers with a clear path forward and helps to address the growing demand for secondary teachers in Agriculture.

CME has also been a tremendous supporter of the option in agricultural communication and leadership. This is a career path of growing interest across the state. The focus on communication and leadership is an interdisciplinary effort that should grow enrollment and provide students with relevant and marketable skills.

Sincerely,

Deborah Summers, Associate Dean

The Bachelor of Science in Agricultural Science

Total Course Requirements for the Bachelor's Degree: 120 units

See [Bachelor's Degree Requirements](#) in the University Catalog for complete details on general degree requirements. A minimum of 39 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. You can view MAPs on the [Degree MAPs](#) page in the University Catalog or you can request a plan from your major advisor.

General Education Pathway Requirements: 48 units

See [General Education](#) in the University Catalog and the [Class Schedule](#) for the most current information on General Education Pathway Requirements and course offerings.

This major has approved GE modification(s). See below for information on how to apply these modification(s).

- ANSC 101 is an approved major course substitution for Life Sciences (B2)
- AGRI 482W is an approved major course substitution for upper-Division Social Sciences

These modifications apply to The Option in Agricultural Education only

- EDTE 451 is an approved major course substitution for Learning for Life (E).
- ENGL 471 is an approved major course substitution for Upper-Division Arts/Humanities.

Diversity Course Requirements: 6 units

See [Diversity Requirements](#) in the University Catalog. Most courses taken to satisfy these requirements may also apply to [General Education](#).

Upper-Division Writing Requirement:

Writing Across the Curriculum ([Executive Memorandum 17-009](#)) is a graduation requirement and may be demonstrated through satisfactory completion of four Writing (W) courses, two of which are designated by the major department. See [Mathematics/Quantitative Reasoning and](#) in the *University Catalog* for more details on the four courses. The first of the major designated Writing (W) courses is listed below.

The Option in Agricultural Science and Education

- Any upper-division Writing (W) course.

The Option in Agricultural Communication and Leadership

- JOUR 341W Writing for Public Relations (W) 3.0 FS W

The second major-designated Writing course is the Graduation Writing Assessment Requirement (GW) ([Executive Order 665](#)). Students must earn a C- or higher to receive GW credit. The GE Written Communication (A2) requirement must be completed before a student is permitted to register for a GW course.

Grading Requirement:

All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

Course Requirements for the Major: 78-82 units

Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree. Additional required courses, depending upon the selected option are outlined following the major core program requirements.

Major Core Program: 47 units

Lower-Division Core: 32 units

6 courses required:

ABUS 101	Intro to Agricultural Business & Economics	3.0 FS	GE D1
AGET 150	Agricultural Machine Systems	3.0 FA	
AGRI 180	The University Experience	1.0 FS	
ANSC 101	Intro to Animal Science	3.0 FS	
PSSC 101	Introduction to Plant Science	3.0 FS	GE B2
PSSC 250	Introduction to Soil Science	3.0 FS	

Prerequisites: CHEM 107 or CHEM 111

1 course selected from:

ABUS 231 Computer Applications in Agriculture 3.0 FS

ABUS 261 Farm Accounting 3.0 FS

1 course selected from:

ANSC 120 Livestock Skills 3.0 S2

ANSC 230 Animal Feeds and Nutrition 3.0 FS

1 course selected from:

CHEM 107 General Chemistry for Applied Sciences 4.0 FS GE B1

Prerequisites: Completion of ELM requirement, Intermediate Algebra.

CHEM 111 General Chemistry 4.0 FS GE B1

Prerequisites: Completion of ELM requirement; second-year high school algebra; one year high school chemistry. (One year of high school physics and one year of high school mathematics past Algebra II are recommended.)

6 units selected from:

Any combination of lower division courses in Agriculture (AGRI), Agricultural Engineering Technology (AGET), Animal Science (ANSC), Plant Science (PSSC), and Agricultural Business (ABUS). Choose courses in consultation with your advisor.

Upper-Division Core: 15 units

2 courses required:

AGRI 305 Agricultural Genetics 3.0 FS

Prerequisites: ANSC 101 or PSSC 101; CHEM 107 or CHEM 111.

AGRI 482W Agricultural Issues 3.0 FS GW W

Prerequisites: Completion of GE Written Communication (A2) requirement, senior standing or instructor permission.

The Option in Agricultural Science and Education: 35 units

This option prepares students for careers in the broad field of agriculture or for careers in teaching at the secondary level. The option prepares students for diverse careers in agricultural production where the integration of animal, plant, and agri-business knowledge and skills is required.

Teaching Credentials for Agriculture

There are two credentials available for students who wish to pursue a career as an agricultural education teacher in California: the Single Subject Teaching Credential and the Agriculture Specialist Instruction Credential. The Single Subject Teaching Credential in Agriculture authorizes the holder to teach in the classroom. Candidates who fulfill the requirements for the Agriculture Specialist Instruction Credential are prepared to teach in out-of-classroom settings such as serving as an FFA advisor and Supervised Agricultural Experience Program supervisor.

The Single Subject Teaching Credential in Agriculture includes two components; a Subject Matter Preparation program and a Professional Education program. Students can complete the Subject Matter Preparation program by completing the Option in Agricultural Science and Education. Students completing another option or major in agriculture should consult the agricultural credential advisor to identify additional course requirements. Candidates may also demonstrate subject matter competence by successfully passing the appropriate California Subject examinations for Teachers (CSET). The subject matter preparation advisor is responsible for verifying that subject matter preparation has been completed.

The Professional Preparation component of the Single Subject Teaching Credential includes professional education courses and a student teaching experience. This portion of the credential program is administered by the School of Education. For prerequisites and other admission requirements for professional education programs, see the "Education" chapter of this catalog and the Focus on Teaching.

All credential candidates recommended by CSU, Chico are authorized to teach all students, including English language learners, in the regular classroom. You may also want to qualify for the Bilingual Authorization emphasis if you meet the pre-requisites in Spanish, Hmong or Punjabi.

The requirements for the Agriculture Specialist Instruction Credential include a series of agricultural education courses (listed below), occupational experience, and a student teaching experience. Student teaching is combined with the student teaching experience required for the Single Subject Teaching Credential in Agriculture.

If you are interested in obtaining your credentials, confer with the appropriate credential advisor(s) early in your university career. Credential advisors can assist you in planning an educational program that will prepare you for both the BS in Agricultural Science and the teaching credential requirements. Students pursuing this career objective should also complete

the single subject program pre-requisite courses and pass the California Basic Education Skills Test (CBEST).

Course Requirements

10 courses required

35 units required:

AGED 201 Introduction to Agricultural Education	3.0	FA
AGED 210 Directed Field Experience Agricultural Education	2.0	FA
AGED 321 Program Development in Agriculture Education	2.0	SP
AGED 420 Techniques in Vocational Agricultural Instruction	2.0	SP
Prerequisites: AGED 201 or faculty permission.		
AGED 421 Curriculum and Methods in Teaching Agricultural Mechanics	3.0	FA
Prerequisites: AGED 120, AGED 150 or equivalent		
EDTE 302 Access and Equity in Education	3.0	FA
EDTE 451 Health Education for Secondary School Teachers	3.0	FS
EDTE 530 Fundamentals of Teaching Practice for Secondary Teachers	3.0	FS
EDTE 534 Teaching Special Populations	2.0	FS
ENGL 471 Intensive Theory and Practice of Second Language Acquisition	3.0	FS

9 units selected from: Any combination of upper division courses in PSSC, ANSC, ABUS, AGED, or AGRI courses. Choose courses in consultation with your advisor to meet the subject matter competency requirements.

Students are strongly encouraged to gain practical skills and knowledge through an approved internship or directed work experience in areas where additional experience is needed to become a successful agricultural teacher. With the approval of your advisor, single subject credential program pre-requisite courses may be used as electives in this option. Students pursuing this career objective should also see the School of Education Credential Advisor to learn about additional credential program prerequisite requirements.

The Option in Agricultural Communication & Leadership: 31 units

8 courses required:

AGRI 380A	Agricultural Leadership	3.0 F
AGRI 380B	Leadership in the Workplace	3.0 S
CMST 133	Speech and Debate Practicum	1.0 FS
CMST 235	Intercultural Communication Theories and Practice	3.0 FS GE E, USD
JOUR 255	Digital Media Literacy and Civic Engagement (W)	3.0 FS GE E
JOUR 260W	Writing for Mass Media	3.0 FS

Prerequisites: ENGL 130W or JOUR 130W.

JOUR 265	Survey of PR & Media Relations	3.0 FS
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Prerequisites: Sophomore standing; concurrent enrollment in or prior completion of JOUR 260.

JOUR 341W	Writing For Public Relations	3.0 FS GW W
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Prerequisites: Completion of GE Written Communication (A2) requirement, JOUR 260W, JOUR 265.

9 units selected from: Any combination of upper division courses in CMST or JOUR. Choose courses in consultation with your advisor.

Advising Requirement:

Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

Honors in the Major:

Honors in the Major is a program of independent work in your major. It requires 6 units of honors course work completed over two semesters.

The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or academic competition. Such experience is valuable for graduate school and professional life. Your honors work will be recognized at your

graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:

- You must take 6 units of Honors in the Major course work. All 6 units are honors classes (marked by a suffix of H), and at least 3 of these units are independent study (399H, 499H, 599H) as specified by your department. You must complete each class with a minimum grade of B.
- You must have completed 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.
- Your *cumulative* GPA should be at least 3.5 or within the top 5% of majors in your department.
- Your GPA *in your major* should be at least 3.5 or within the top 5% of majors in your department.
- Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.
- Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own program. Please contact your major department or major advisor to apply.

Draft MAP: Agricultural Science with an option in Agricultural Communication & Leadership

Year 1 - Fall	Units	Year 1 - Spring	Units
PSSC 101 (GE Area B2)	3	ANSC 101	3
HIST 130 or POLS 155	3	GE Area A3	3
AGRI 180	1	POLS 155 or HIST 130	3
GE Area A1	3	GE AREA C1*	3
CMST 133	1	GE Area A2	3
GE Area A4	3	Total Units	15
Total Units	14		
Year 2 - Fall	Units	Year 2 - Spring	Units
ABUS 101 (GE Area D)	3	JOUR 255 (GE Area E)	3
AGET 150	3	ABUS 231/261	3
CHEM 107/111 (GE Area B1)	4	PSSC 250	3
GE Area C2*	3	ANSC 120/230	3
GE Area F	3	LD Ag Elective	3
Total Units	16	Total Units	15
Year 3 - Fall	Units	Year 3 - Spring	Units
CMST 235 (GE USD)	3	JOUR 341W	3
JOUR 260W	3	GE UD-C*	3
JOUR 265	3	UD Ag Elective	3
LD Ag Elective	3	AGRI 331/PSSC 363	3
AGRI 305	3	UD CMST / JOUR Elective	3
Total Units	15	Total Units	15
Year 4 - Fall	Units	Year 4 - Spring	Units
AGRI 380A	3	AGRI 380B	3
UD CMST / JOUR Elective	3	AGRI 482W (UD-D)	3
GE UD-B*	3	Elective	3
UD Ag Elective	3	UD CMST / JOUR Elective	3
Elective	3	Elective	3
Total Units	15	Total Units	15
		BS – Total Units	120

*At least one of these should fulfill the GE Global Cultures requirement.

Key:	GE only	LD Core	UD Core	Ag Com option
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