

**B.S. DEGREE IN AGRICULTURAL AND ENVIRONMENTAL EDUCATION  
2022-2023**

Name \_\_\_\_\_

ID \_\_\_\_\_

Pre-Credential? Yes \_\_\_\_\_ No \_\_\_\_\_

**Choose a Focused Depth Subject Matter Area:**

- Agricultural Business and Economics
- Animal Science
- Applied Biological Systems Technology
- Environmental Horticulture
- Environmental Science and Natural Resources
- Plant and Soil Science

\_\_\_ 1. **GENERAL UNIVERSITY REQUIREMENTS:** Entry Level Writing Requirement \_\_\_; Amer. History & Inst \_\_\_

**GENERAL EDUCATION:**

**\*See additional GE handout**

\_\_\_ 2. **ENGLISH:** Choose **ONE** of following options – All courses must be taken with a C- or higher:

- \_\_\_ 1) Two courses from:  
ENL 3, UWP 1, 48, 49, 101, UWP 102A-G, 104A-F; **OR**  
One from the previous list **AND** one from:  
COM 1, 2, 3, 4, NAS 5, CMN 1
- \_\_\_ 2) Advanced Placement English score of 4 or 5 plus any course on above list  
**EXCEPT** UWP 1 or ENL 3
- \_\_\_ 3) **AFTER** completing 70 units pass English Composition Exam

**Please check in with the College of Agricultural and Environmental Sciences Dean’s Office (150 Mrak Hall) often in order to review your General University and College English requirements.**

\_\_\_ 3. **GOVERNMENT/US CONSTITUTION PREPARATORY SUBJECT MATTER** (4 units):

HIS 17A (4) **or** POL 1 (4) \_\_\_ [HIS 17A strongly recommended, counts under GE AH and DD. No GE requirements are satisfied if you received AP units.]

\_\_\_ 4. **GENERAL PREPARATORY SUBJECT MATTER** (50 units):

- \_\_\_ a) ANIMAL SCIENCE (8 units):  
ANS 1 (4) F\_\_\_, ?ANS 2 (4) S\_\_\_, ?ANS 21 (2) S\_\_\_, ?ANS 41 (2) F\_\_\_, ANS 49 (2) \_\_\_
- \_\_\_ b) APPLIED BIOLOGICAL SYSTEMS TECHNOLOGY (9 units):  
?ABT 16 (2) F\_\_\_, ?ABT 52 (2) W\_\_\_, ?ABT 49 (2) F, S\_\_\_, ?ABT 101 (3) W\_\_\_
- \_\_\_ c) ECONOMICS (8 units):  
ARE 15 (4) S\_\_\_, ECN 1A (4) \_\_\_, ?ECN 1B (4) \_\_\_
- \_\_\_ d) ENVIRONMENTAL HORTICULTURE (9 units):  
?ENH 1 (3) F\_\_\_, ENH 6 (4) F\_\_\_, ?PLS 6 or PLS 6V (2) \_\_\_
- \_\_\_ e) ENVIRONMENTAL SCIENCE/NATURAL RESOURCES (8 units):  
?ESP 10 (3) S\_\_\_, ETX 10 (3) F\_\_\_, HYD 10/SAS 10 (3) S\_\_\_, SAS 14 (3) S\_\_\_, GEL 17 (2) \_\_\_
- \_\_\_ f) PLANT SCIENCE (8 units):  
PLS 1 (3) F\_\_\_, ?PLS 2 (4) W\_\_\_, PLS 15 (4) S\_\_\_, ?PLS 49 (3) F, S\_\_\_,  
VEN 2 (2) F\_\_\_, VEN 3 (3) \_\_\_

**KEY FOR LETTERS AND SYMBOLS USED IN CHECKLIST:**

- QUARTER OFFERED: F = FALL, W = WINTER, S = SPRING, Su I or Su II = SUMMER SESSIONS I OR II
- UNIT VALUES ARE INDICATED WITHIN PARENTHESES
- ? INDICATES REQUIRED COURSES FOR STUDENTS INTERESTED IN HAVING CSET EXAM WAIVED PRIOR TO APPLYING FOR THE AGRICULTURAL CREDENTIAL PROGRAM.

\_\_\_ 5. **MATH / SCIENCE PREPARATORY SUBJECT MATTER (43-46 units):**

- \_\_\_ a) **BIOLOGY (10 units):**  
BIS 2A (5) \_\_\_\_, ?BIS2B (5) \_\_\_\_ or ?BIS 2B (5) \_\_\_\_, BIS 2C (5) \_\_\_\_
- \_\_\_ b) **CHEMISTRY (10 units):**  
?CHE 2A (5) F, W, SuI \_\_\_\_, 2B (5) W, S, SuII \_\_\_\_
- \_\_\_ c) **GENERAL CATEGORY (9 units):**  
GEL 1 (4) \_\_\_\_, GEL 20 (2) W \_\_\_\_, ?SSC 10 (3) F \_\_\_\_ [GEL 20 can be replaced with SAS 11 or GEL 25 if not being offered]
- \_\_\_ d) **MATHEMATICS (6-8 units):**  
MAT 16A (3) \_\_\_\_, MAT 16B (3) \_\_\_\_ [MAT 17AB or MAT 21AB also accepted]
- \_\_\_ e) **PHYSICS (8-9 units):**  
[PHY 7A (4) \_\_\_\_, PHY 7B (4) \_\_\_\_] or  
[PHY 1A (3) F, W, SuI \_\_\_\_, PHY 1B (3) W, S \_\_\_\_, and PHY 10C (3) F \_\_\_\_]

\_\_\_ 6. **DEPTH SUBJECT MATTER (20 units)** (Your major GPA consists of items 6a – c, 7 and 8):

- \_\_\_ a) **AGRICULTURAL AND ENVIRONMENTAL EDUCATION (6 units):**  
?AED 100 (3) W \_\_\_\_, AED 160 (3) F \_\_\_\_ [AED 100 can be taken as a second year]
- \_\_\_ b) **EDUCATION (10 units):**  
EDU 110 (4) \_\_\_\_, EDU 115 (2) \_\_\_\_, EDU 142 (4) S \_\_\_\_
- \_\_\_ c) **CAPSTONE (4 units):**  
AED 178 (198) (4) S \_\_\_\_ [to be taken in Spring quarter of your last year]

\_\_\_ 7. **FOCUSED DEPTH SUBJECT MATTER (16 units):** Students may choose from **Agricultural Business and Economics; Animal Science; Applied Biological Systems Technology; Environmental Horticulture; Environmental Science and Natural Resources; or Plant and Soil Science** as a Focused Depth subject matter category. Students must complete a minimum of 16 upper division units related to a Focused Depth subject category. **All planned courses must be approved by an Advisor.** Please use space provided at the end of this section to indicate your Focused Depth Subject Matter category and list courses selected.

**Focused Depth Subject Category:** \_\_\_\_\_

<u>Course</u>	<u>Units</u>	<u>Quarter</u>	<u>Grade</u>

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\_\_\_ 8. **RESTRICTED ELECTIVES (16 units):** At least 16 units of additional upper-division courses **selected with approval of an advisor** to supplement or expand depth subject matter courses chosen from ABI, ABT, ANG, ANS, ARE, ATM, AVS, BIS, BIT, ENH, ENT, ERS, ESM, ESP, ETX, EVE, FST, HYD, IAD, NAC, NPB, NUT, PLB, PLP, PLS, SSC, VEN, or WFC. **Restricted Elective coursework may not be duplicated from Focused Depth Subject Matter coursework.**

Course	Units	Quarter	Grade

\_\_\_ 9. **UNRESTRICTED ELECTIVES (9-31 units):** Courses selected to bring total units to a minimum of 180.  
**Note: A minimum of 54 upper-division units are required for graduation.**

**ADDITIONAL COURSES REQUIRED FOR STUDENTS INTERESTED IN CALIFORNIA SUBJECT EXAMINATION for TEACHERS (CSET) EXAM WAIVER, IN PREPARATION FOR THE AGRICULTURAL CREDENTIAL PROGRAM:**

*Note: These courses can count towards Focused Depth Subject Matter or Restricted Electives if upper division.*

**AGRICULTURAL SYSTEMS TECHNOLOGY:**

- ABT 165 (2) W \_\_\_ [Prerequisite: PHY1A]

**ENVIRONMENTAL SCIENCE & NATURE:**

- PLS 147 (3) S \_\_\_ [Prerequisite: PLS 2 or BIS 2C]
- SAS 18 (3) S \_\_\_

**AGRICULTURAL BUSINESS & ECONOMICS:**

- ARE 18 (4) F, W, S, Su I \_\_\_
- CMN 136 (4) F, W, Su I \_\_\_
- MGT 11A (4) F, W, Su I \_\_\_
- PLS 21 (3) F, W, S \_\_\_

**PLANT & SOIL SCIENCE; ORNAMENTAL HORTICULTURE:**

- BIS 2C (5) F, W, S, Su II \_\_\_
- ENH 125 (5) W \_\_\_ [Prerequisite: PLS 2 or BIS 2C]

**MARKETING (SELECT ONE):**

- ARE 130 (4) F \_\_\_ [Prerequisite: ARE 100A; ARE 106]
- ANS 141 (4) S \_\_\_ [Prerequisite: ANS 115; ECN 1A and ECN 1B recommended]
- ANS 143 (4) F (EOY odd) \_\_\_ [Prerequisite: ANS 41; NPB 101 or ANS 100; NUT 115]
- ANS 145 (4) W \_\_\_ [Prerequisite: ANS 2]

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## AEE Courses That Fulfill General Education Requirements

	<b>Fulfilled By Major</b>	<b>Remaining Requirements</b>
<b>Topical Breadth (Requires 52 Units Total)</b>	<p><b>Science &amp; Engineering (SE):</b></p> <p><u>CHE 2A</u>                      <u>5</u></p> <p><u>CHE 2B</u>                      <u>5</u></p> <p><u>BIS 2A or 2C</u>                <u>5</u></p> <p><u>BIS 2B</u>                      <u>5</u></p> <p><b>12-20 units</b>                <b><u>max. 20</u></b></p> <p><b>Social Sciences (SS):</b></p> <p><u>ARE 15</u>                      <u>4</u></p> <p><u>ECN 1A or 1B</u>                <u>4</u></p> <p><u>EDU 110</u>                      <u>4</u></p> <p><u>EDU 142</u>                      <u>4</u></p> <p><u>ESP 10</u>                      <u>3</u></p> <p><u>EDU 115</u>                      <u>2</u></p> <p><b>12-20 units</b>                <b><u>max. 20</u></b></p>	<p><b>Arts &amp; Humanities (AH):</b></p> <p><u>HIS 17A</u>                      <u>4</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p><b>12-20 units</b>                _____</p> <p><u>Total AH:</u>                      <u>12 units</u>    <input type="checkbox"/> <b>Satisfied</b></p>
<b>Core Literacies (Requires 27 Units Total)</b>	<p><b>Literacy with Words &amp; Images:</b></p> <p>Writing Experience (WE):</p> <p><u>GEL 1</u>                      <u>4</u></p> <p><u>EDU 110</u>                      <u>4</u></p> <p><b>6 units</b>                      <b><u>complete</u></b></p> <p>Oral Skills or Additional Writing Experience (OL):</p> <p><u>ANS 1</u>                      <u>4</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p>Visual Literacy (VL):</p> <p><u>BIS 2B</u>                      <u>5</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p><b>Quantitative Literacy (QL):</b></p> <p><u>MAT 16A</u>                      <u>3</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p><b>Scientific Literacy (SL):</b></p> <p><u>MAT 16B</u>                      <u>3</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p><b>Civic &amp; Cultural Literacy:</b></p> <p>American Cultures, Governance &amp; History (ACGH):</p> <p><u>ECN 1A or 1B</u>                <u>4</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p><u>Total:</u>                      <u>27</u></p>	<p><b>Civic &amp; Cultural Literacy Continued (1 course required):</b></p> <p>World Cultures (WC):</p> <p>_____</p> <p><b>3 units</b>                      _____</p> <p>Domestic Diversity (DD):</p> <p><u>HIS 17A</u>                      <u>4</u></p> <p><b>3 units</b>                      <b><u>complete</u></b></p> <p><u>Total:</u>                      <u>7 units</u>    <input type="checkbox"/> <b>Satisfied</b></p> <p><b>Important Notice: AP Credit CANNOT be used as GE credit</b> For more information, visit <a href="https://catalog.ucdavis.edu/undergraduate-education/university-degree-requirements/general-education-ge-requirements/">https://catalog.ucdavis.edu/undergraduate-education/university-degree-requirements/general-education-ge-requirements/</a>.</p>

# AGRICULTURAL AND ENVIRONMENTAL EDUCATION MAJOR STUDY PLAN

Students must complete 36 units in three quarters or regular academic year. (Average of 12 units per quarter; e.g. take 12, 12, and 12 units)

NAME: \_\_\_\_\_ ENTERED MAJOR: \_\_\_\_\_ Qtr./Yr. \_\_\_\_\_

FALL \_\_\_\_\_ WINTER \_\_\_\_\_ SPRING \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II) \_\_\_\_\_

FALL \_\_\_\_\_ WINTER \_\_\_\_\_ SPRING \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II) \_\_\_\_\_

FALL \_\_\_\_\_ WINTER \_\_\_\_\_ SPRING \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II) \_\_\_\_\_

FALL \_\_\_\_\_ WINTER \_\_\_\_\_ SPRING \_\_\_\_\_

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Summer Session (I, II) \_\_\_\_\_

1. Complete this STUDY PLAN early.
2. At **LEAST 180 units with at least 54 upper division units** are required for the B.S. degree.