2009-11 Cal Poly Catalog

**Agricultural Education & Communication Department**

**BS AGRICULTURAL SCIENCE**

- 60 units upper division
- 2.0 GPA
- * = Required in Support; also satisfies GE

Note: No major, support or concentration courses may be taken as credit/no credit.

**MAJOR COURSES**

- AGED 102 Intro. to Agricultural Education or AGC 102 Orientation to Agricultural Communication
- AGED 404 Agricultural Leadership
- AGC 426 Presentation Methods in Agricultural Communication or EDUC 412 Schooling in a Democratic Society
- AGED 460 Research Methodology in Agricultural Education and Communication
- AGED/AGC 461 Senior Project
- AGED/AGC 462 Senior Project
- AG 360/ASCI 476/AG 450
- AGB 202 Communication, Leadership and Management Skills for Agribusiness
- AGB 301 Food and Fiber Marketing
- AGB 401 Managing Cultural Diversity in Agricultural Labor Relations (USCP)
- ASCI 112 Principles of Animal Science
- BRAE 121 Agricultural Mechanics
- BRAE 141 Agricultural Machinery Safety
- CRSC 123 Forage Crops or CRSC 132 California Field Crops
- DSCI 230 General Dairy Husbandry
- DSCI 231 General Dairy Manufacturing (3) and DSCI 232 Gen Diary Mfg Lab (1), or FSN 230 Elements of Food Processing (4)
- EHS 230 Environmental Horticulture
- FRSC 230/VGSC 230/VGSC 190
- PM 225 Introduction to Poultry Management
- SS 121 Introductory Soil Science
- Advisor approved electives

### Concentration courses
- ADGED 330 (6), ADGED 410 (2), EDUC 410 (4), EDUC 414 (4),
- Plus six units from any of the following (if BUS 212 is taken, then 4 units of 300-400 required): Any course with a prefix in AG, AGB, ASCI, BRAE, CRSC, DSCI, ERSC, FRSC, FSN, HCS, NR, PM, PPSC, RPTA, SS, VGSC, VS, WIVT;
- AGED 220; BUS 207; IME 142, ECON 201, 222; KINE 250, 255, 305;
- PHYS 121, 131

**Agricultural Communications**

- AGC 339 (6), AGC 407 (4), JOUR 203 (4), JOUR 205 (4), COMS 301 (4),
- Plus one of the following: ENGL 310; GRC 377; JOUR 312, 331; RPTA 320, 420

**Individualized**

Courses that meet the requirements leading to a minor at Cal Poly. 12 to 20 units must be at the 300-400 level to meet graduate requirements.

### General Education (GE)

- 72 units required, 16 of which are specified in Support.
- Minimum of 12 units required at the 300 level.

**Area A Communication (12 units)**

- A1 Expository Writing
- A2 Oral Communication
- A3 Reasoning, Argumentation, and Writing

**Area B Science and Mathematics (8 units)**

- B1 Mathematics/Statistics
- B2 Life Science
- B3 Physical Science
- B4 One lab taken with either a B2 or B3 course

**Area C Arts and Humanities (20 units)**

- C1 Literature
- C2 Philosophy
- C3 Fine/Performing Arts
- C4 Upper-division elective

**Area D/E Society and the Individual (16 units)**

- D1 The American Experience
- D2 Political Economy
- D3 Comparative Social Institutions

1. Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

---

1. Approved electives (Corrected 5/20/10) 26
2. 12-20 units must be 300-400 level depending on concentration. Career area programs may be selected from teaching agriculture, agricultural communication, or individualized.

**Teaching Agriculture**

- BUS 212 or AGB 321 (4), AGED 330 (6), AGED 410 (2), EDUC 410 (4), EDUC 414 (4),
- Plus six units from any of the following (if BUS 212 is taken, then 4 units of 300-400 required):
- Any course with a prefix in AG, AGB, ASCI, BRAE, CRSC, DSCI, ERSC, FRSC, FSN, HCS, NR, PM, PPSC, RPTA, SS, VGSC, VS, WIVT;
- AGED 220; BUS 207; IME 142, ECON 201, 222; KINE 250, 255, 305;
- PHYS 121, 131

**Agricultural Communications**

- AGC 339 (6), AGC 407 (4), JOUR 203 (4), JOUR 205 (4), COMS 301 (4),
- Plus one of the following: ENGL 310; GRC 377; JOUR 312, 331; RPTA 320, 420

**Individualized**

Courses that meet the requirements leading to a minor at Cal Poly. 12 to 20 units must be at the 300-400 level to meet graduate requirements.
D4 Self Development (CSU Area E) Note: KINE 250 is required for teaching credential candidates 4
D5 Upper-division elective *4 units in Support.... 0
**Area F Technology Elective (upper division)**
* 4 units in Support ........................................... 0

**FREE ELECTIVES**
Note: Electives within the College (CAFES), excluding AGED courses, are required for teaching credential candidates .................... 8 -0

**CONCENTRATIONS (select one)**

**Agricultural Engineering Technology Concentration**
BRAE 133 Engineering Design Graphics ............... 2
BRAE 237 Intro to Engineering Surveying ............... 2
BRAE 321 Agricultural Safety ............................. 3
BRAE 335 Internal Combustion Engines ................ 4
1 Approved electives (3 units at 300–400 level) ........ 11
* Select 11 units from the following:
  BRAE 129, 142, 151, 152, 231, 239, 240, 301, 324, 331, 337, 348, 438, 439, 481

22

**Agricultural Supplies and Services Concentration**
AGB 212 Agricultural Economics .......................... 4
AGB 310 Agribusiness Credit and Finance ............... 4
AGB 312 Agricultural Policy .................................. 4
1 Approved electives (2 units at 300-400 level) ....... 10
* Select 10 units from the following:
  AGB 214, 303, 313, 314, 318, 322, 323, 331, 370, 404, 409, 410, 427, 440, 443, 445, 455

22

**Animal Science Concentration**
Select two: ASCI 221, 222, 223 .............................. 4,4
ASCI 220 Intro Animal Nutrition and Feeding
  or DSCI 101 Dairy Feeds and Feeding ................. 4
(5/27/10)
DSCI 330 Artificial Insemination and Embryo
  Biotechnology ............................................. 4
1 Approved electives ........................................... 6
* Select 6 units from the following:
  ASCI 311, 326, 329, 384, 412, 413, 415, 425, 430, 476, 480;
  ASCI/PM 305, 325, 330, 342;
  DSCI 301, 333, 435

22

**Crop and Soil Science Concentration**
ERSC 202 Soil Erosion and Water Conservation.... 4
FRSC 230 California Fruit Growing or
  VGSC 230 Introduction to Vegetable Science
  (Select course not taken in major column) ............ 4
PPSC 311 Agricultural Entomology ........................ 4
SS 221 Fertilizers ............................................. 4
1 Approved electives ........................................... 6
* Select 6 units from the following:
  CRSC 333, 421, 445;
  CRSC/FRSC 422;
  FRSC 342;
  HCS 421;
  VGSC 423, 424

22

**Forestry and Natural Resources Concentration**
BIO 227 Wildlife Conservation Biology ................. 4
NR 142 Environmental Management ........................ 3
NR 208 Dendrology ........................................... 4
NR 306 Natural Resource Ecology and Habitat
  Management .................................................. 4
1 Approved electives ........................................... 7
* Select 7 units from the following:
  NR 312, 320, 321, 402;
  NR/CRP 404, 408;
  NR/ES 308 or NR 323;
  NR/ES 360;
  NR/GEOG/LA 317;
  NR/LA 318

22

**Ornamental Horticulture Concentration**
EHS 123 Landscape Installation and Maintenance 4
HCS 120 Principles of Horticulture and Crop
  Science ....................................................... 4
HCS 124 Plant Propagation .................................. 4
EHS 438 Teaching Methods in Environmental
  Horticulture .................................................. 4
1 Approved electives ........................................... 6
* Select 6 units from the following:
  EHS 324, 325, 337, 343, 402, 421, 422, 424, 433, 434;
  EHS/RPTA 430

22

1 Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.