



INTERESTED IN BECOMING A PEST CONTROL ADVISER?

A GUIDE FOR CAL POLY SLO TRANSFER STUDENTS





“When I transferred into Cal Poly, I had a bunch of different questions. What classes do I take in order to fulfill the California PCA exams’ requirements? Is it possible to do within the AGED department? When are the necessary classes offered? How many classes should I take in order to stay on course to graduate on time? And the list went on. After countless visits to professors’ office hours, academic advisors and so on, I began to figure things out.”

– Zack Krueger



CAL POLY

SAN LUIS OBISPO

**LOOKING TO TRANSFER TO THE
COLLEGE OF AGRICULTURE,
FOOD AND ENVIRONMENTAL
SCIENCES WITH PLANS OF
BECOMING A PEST CONTROL
ADVISOR?**

WE'RE HERE TO HELP.

**CHECK OFF THE BOXES AS YOU
MAKE YOUR WAY THROUGH
THE BOOKLET TO KEEP TRACK
OF YOUR PROGRESS!**

DEPARTMENT:

- **Agricultural Education & Communication**

MAJOR:

- **Agricultural Science**

EMPHASIS:

- **Choose Individualized Career Area**
**Need to speak with an academic advisor.

RECOMMENDED MINORS:

- **A) Crop Science**
- **B) Plant Protection**

CROP SCIENCE MINOR

30 UNITS

REQUIRED COURSES: 18 UNITS

- AEPS 120 (PRINCIPLES OF HORTICULTURE AND CROP SCIENCE) 4 UNITS
- AEPS 190 (CALIFORNIA VEGETABLE PRODUCTION) 4 UNITS
- AEPS 203 OR 204 (ORGANIC ENTERPRISE OR VEGETABLE ENTERPRISE) 2 UNITS
- AEPS 244 (PRECISION FARMING) 4 UNITS
- BRAE 340 (IRRIGATION WATER MANAGEMENT) 4 UNITS

+ 12 UNITS

OF YOUR CHOOSING FROM THE SELECTED
ELECTIVE OPTIONS

COORDINATOR: DR.WYATT BROWN, BLD. 11, RM.232

CROP SCIENCE MINOR: ELECTIVE OPTIONS

Required Courses..... 18

AEPS 120 Principles of Horticulture and Crop Science (4)
AEPS 190 California Vegetable Production (4)
AEPS 244 Precision Farming (4)
AEPS 203 Organic Enterprise project (2) or AEPS 204 Vegetable Enterprise Project (2)
BRAE 340, Irrigation Water Management (4)

Restricted Elective Courses 12

Select 12 units from the following course list:

- ☐ AEPS 304 Plant Breeding (4)
- ☐ AEPS 313 Agricultural Entomology (4)
- ☐ AEPS 321 Weed Biology and Management (4)
- ☐ AEPS 333 Greenhouse Vegetable Production (2)
- ☐ AEPS 421 Postharvest Technology of Horticultural Crops (4)
- ☐ AEPS 445 Cropping Systems (4)
- ☐ AEPS/AG 315 Organic Agriculture (4)

TOTAL UNITS FOR THE MINOR: 30

PLANT PROTECTION MINOR

30 UNITS

REQUIRED COURSES: 16 UNITS

- AEPS 120 (PRINCIPLES OF HORTICULTURE AND CROP SCIENCE) 4 UNITS
- AEPS 313 (AGRICULTURAL ENTOMOLOGY) 4 UNITS
- AEPS 321 (WEED BIOLOGY AND MANAGEMENT) 4 UNITS
- AEPS 323 (PLANT PATHOLOGY) 4 UNITS

+ 14 UNITS

OF YOUR CHOOSING FROM THE SELECTED ELECTIVE OPTIONS

COORDINATOR: DR.DAVID HEADRICK, BLD. 11, RM.235

PLANT PROTECTION MINOR: ELECTIVE OPTIONS

Agricultural Production. Select 4 units from the following:

- ☐ AEPS 124 Plant Propagation (4)
- ☐ AEPS 132 Pomology I (4)
- ☐ AEPS 150 Forage Crops (4)
- ☐ AEPS 190 California Vegetable Production (4)
- ☐ AEPS 230 Environmental Horticulture (4)
- ☐ AEPS 240 Commercial Seed Production (4)
- ☐ AEPS 245 Horticultural Production Techniques (3)
- ☐ AEPS 250 California Fruit Growing (4)
- ☐ AEPS 260 Introduction to Vegetable Science (4)
- ☐ AEPS 341 Cut Flower Production (4)
- ☐ AEPS 355 Citrus and Avocado Fruit Production (4)
- ☐ NR 141 Introduction to Forest Ecosystem Management (3)
- ☐ NR 350 Urban Forestry (3)
- ☐ WVIT 233 Basic Viticulture (4)

Enterprise Project. Select 2 units from the following:

- ☐ AEPS 202 Fruit Enterprise Project (2)
- ☐ AEPS 203 Organic Enterprise (2)
- ☐ AEPS 204 Vegetable Enterprise Project (2)
- ☐ AEPS 312 Environmental Horticulture Enterprise Project II (2)
- ☐ WVIT/AEPS 210 Viticultural Practices (2)

Pest Management. Select 8 units from the following:

- ☐ AEPS 327 Vertebrate Pest Management (4)
- ☐ AEPS 406 Advanced Weed Management (4)
- ☐ AEPS 427 Disease and Pest Control Systems for Ornamental Crops (4)
- ☐ AEPS 431 Insect Pest Management (4)
- ☐ AEPS 441 Biological Control for Pest Management (4)
- ☐ WVIT 414 Grape Pest Management (4)



**DID YOU
KNOW THAT
CERTAIN COURSES
ARE ONLY
OFFERED 1
QUARTER
OUT OF THE YEAR?**

AEPS 120 (INTRODUCTION TO HORTICULTURE AND CROP SCIENCE) F, W, SP

AEPS 190 (CALIFORNIA VEGETABLE PRODUCTION) SP

AEPS 203 (ORGANIC ENTERPRISE PROJECT) F, W, SP

AEPS 244 (PRECISION FARMING) W

AEPS 313 (ENTOMOLOGY) F, SP

AEPS 321 (WEED BIOLOGY AND MANAGEMENT) F, SP

AEPS 323 (PLANT PATHOLOGY) F, SP

AEPS 327 (VERTEBRATE PEST MANAGEMENT) W

BRAE 340 (IRRIGATION WATER MANAGEMENT) F, W, SP

AEPS 406 (ADVANCED WEED MANAGEMENT) W

AEPS 421 (POST HARVEST TECHNOLOGY OF HORTICULTURAL CROPS) W

**KNOWING WHAT QUARTERS SPECIFIC COURSES ARE OFFERED AND
WHEN THEY ARE NOT IS **CRUCIAL!** POOR PLANNING COULD LEAD TO
POSTPONED GRADUATION. ALSO, TAKE INTO ACCOUNT **PREREQUISITES.****

PCA LICENSE REQUIREMENTS

IN ORDER TO OBTAIN YOUR PCA
LICENSE AFTER GRADUATION,
YOU MUST HAVE SPECIFIC COURSES
COMPLETED TO BE ELIGIBLE TO
TAKE THE EXAM.

Completion of the required total of
units in the following areas
without double counting courses:

- Physical and Biological Sciences
18 UNITS
- Crop Health
13.5 UNITS
- Production Systems
9 UNITS
- Pest Management Systems and Methods
9 UNITS
- Electives
13.5 UNITS

PHYSICAL AND BIOLOGICAL SCIENCES

18 UNITS NEEDED

- AEPS 110 (PEOPLE, PESTS AND PLAGUES) F,W,SP -4 UNITS
- AEPS 304 (PLANT BREEDING) W,SP -4 UNITS
- AEPS 329 (PLANTS, FOOD AND BIOTECHNOLOGY) F -4 UNITS
- AEPS 421 (POST HARVEST TECHNOLOGY OF HORTICULTURAL CROPS) W -4 UNITS
- BIO (ANY)
- BOT (ANY)
- CHEM (ANY)
- ZOO (ANY)
- FRSC 415 (GRAPEVINE PHYSIOLOGY) TBD -4 UNITS
- MCRO 221 (MICROBIOLOGY) F,W,SP,SU -4 UNITS
- MCRO 224 (GENERAL MICROBIOLOGY I) F,W -5 UNITS
- MCRO 225 (GENERAL MICROBIOLOGY II) SP -5 UNITS
- MCRO 301 (WINE MICROBIOLOGY) SP -4 UNITS
- MCRO 402 (GENERAL VIROLOGY) W -4 UNITS
- MCRO 424 (MICROBIOLOGY PHYSIOLOGY) W -4 UNITS

13.5 UNITS NEEDED

- AEPS 313 (AGRICULTURAL ENTOMOLOGY) F,SP -4 UNITS
- AEPS 321 (WEED AND BIOLOGY MANAGEMENT) F,SP -4 UNITS
- AEPS 323 (PLANT PATHOLOGY) F, SP -4 UNITS
- AEPS 327 (VERTEBRATE PEST MANGEMENT) W -4 UNITS
- AEPS 350 (ABIOTIC PLANT PROBLEMS) W -4 UNITS
- AEPS 406 (ADVANCED WEED MANAGEMENT) W -4 UNITS
- AEPS 421 (POST HARVEST TECHNOLOGY OF HORTICULTURAL CROPS) W -4 UNITS
- AEPS 427 (DISEASE AND PEST CONTROL SYSTEMS FOR ORNAMENTAL PLANTS) W -4 UNITS
- ASCI 203 (ANIMAL PARASITOLOGY) TBD -3 UNITS

CROP HEALTH

- BRAE 236 (PRINCIPLES OF IRRIGATION) F -3 UNITS
- BRAE 337 (LANDSCAPE IRRIGATION) W -4 UNITS
- BRAE 340 (IRRIGATION WATER MANAGEMENT) F -4 UNITS
- BRAE 405 (CHEMIGATION) SP -1 UNIT
- BRAE 438 (DRIP/MICRO IRRIGATION) W -4 UNITS
- BRAE 440 (AGRICULTURAL IRRIGATION SYSTEMS) SP -4 UNITS
- NR 402 (FOREST HEALTH) W -4 UNITS
- SS 120 (INTRODUCTORY SOIL SCIENCE) F,W,SP -4 UNITS
- SS 221 (SOIL HEALTH AND PLANT NUTRITION) F,W,SP -4 UNITS
- SS 422 (SOIL ECOLOGY) SP -4 UNITS

PRODUCTION SYSTEMS

9 UNITS NEEDED

- AEPS 120 (PRINCIPLES OF HORTICULTURE AND CROP SCIENCE) **F** -4 UNITS
- AEPS 123 (LANDSCAPE INSTALLATION AND MAINTENANCE) **W** -4 UNITS
- AEPS 124 (PLANT PROPAGATION) **SP** -4 UNITS
- AEPS 132 (POMOLOGY I) **W** -4 UNITS
- AEPS 133 (POMOLOGY II) **SP** -4 UNITS
- AEPS 150 (FORAGE CROPS) **F** -4 UNITS
- AEPS 175 (BEEKEEPING) **F,SP** -4 UNITS
- AEPS 190 (CALIFORNIA VEGETABLE PRODUCTION) **SP** -4 UNITS
- AEPS 202 (FRUIT ENTERPRISE) TBD -2 UNITS
- AEPS 203 (ORGANIC ENTERPRISE) **F,W,SP** -2 UNITS
- AEPS 204 (VEGETABLE ENTERPRISE) **F,W,SP** -2 UNITS
- AEPS 212 (ENVIRONMENTAL HORTICULTURE ENTERPRISE PROJECT I.) **F,W,SP** 1-4 UNITS
- AEPS 230 (ENVIRONMENTAL HORTICULTURE) **F** -4 UNITS
- AEPS 233 (PLANT MATERIALS I) **SP** -4 UNITS
- AEPS 234 (PLANT MATERIALS II) **F** -4 UNITS
- AEPS 240 (COMMERCIAL SEED PRODUCTION) **SP** -4 UNITS
- AEPS 244 (PRECISION FARMING) **W** -4 UNITS
- AEPS 245 (HORTICULTURE PRODUCTION TECHNIQUES) **F** -3 UNITS
- AEPS 250 (CALIFORNIA FRUIT GROWING) TBD -4 UNITS
- AEPS 260 (INTRODUCTION TO VEGETABLE SCIENCE) TBD -4 UNITS
- AEPS 315 (PRINCIPLES OF ORGANIC CROP PRODUCTION) **F,SP** -4 UNITS
- AEPS 324 (INTERIOR PLANT MANAGEMENT) TBD -4 UNITS
- AEPS 333 (GREENHOUSE VEGETABLE PRODUCTION) **F** -2 UNITS
- AEPS 340 (PRINCIPLES OF GREENHOUSE ENVIRONMENT) **SP** -4 UNITS
- AEPS 341 (CUT FLOWER PRODUCTION) **F** -4 UNITS
- AEPS 342 (POTTED PLANT PRODUCTION) **W** -4 UNITS
- AEPS 343 (TURFGRASS MANAGEMENT) TBD -4 UNITS
- AEPS 355 (CITRUS AND AVOCADO FRUIT PRODUCTION) **SP** -4 UNITS
- AEPS 423 (ADVANCED VEGETABLE SCIENCE) TBD -4 UNITS
- AEPS 424 (NURSERY CROP PRODUCTION) **W** -4 UNITS
- AEPS 425 (ARBORICULTURE) **SP** -4 UNITS
- AEPS 434 (LANDSCAPE MANAGEMENT) TBD -4 UNITS
- AEPS 445 (CROPPING SYSTEMS) **W** -4 UNITS
- AEPS/WVIT 210 (VITICULTURE PRACTICES) TBD -2 UNITS
- AEPS/WVIT 231 (VITICULTURE I) TBD -4 UNITS
- AEPS/WVIT 311 (SURVEY OF VITICULTURE) TBD -4 UNITS
- AEPS/WVIT 331 (ADVANCED VITICULTURE) **F,SU** -4 UNITS
- AG/ASCI 360 (HOLISTIC MANAGEMENT) **F,W,SP** -4 UNITS
- AG 450 (APPLIED HOLISTIC MANAGEMENT) **F,W,SP** -4 UNITS
- ASCI 101 (INTRODUCTION TO THE ANIMAL SCIENCE) **F** -2 UNITS
- ASCI 112 (PRINCIPLES OF ANIMAL SCIENCE) **F,W,SP** -4 UNITS
- ASCI 221 (INTRODUCTION TO BEEF PRODUCTION) **F,SP** -4 UNITS

MORE OPTIONS AVAILABLE ON THE PCA REQUIREMENT HANDOUT

9 UNITS NEEDED

PEST MANAGEMENT SYSTEMS AND METHODS

- AEPS 321 (WEED AND BIOLOGY MANAGEMENT) F,SP -4 UNITS
- AEPS 327 (VERTEBRATE PEST MANGEMENT) W -4 UNITS
- AEPS 406 (ADVANCED WEED MANAGEMENT) W -4 UNITS
- AEPS 427 (DISEASE AND PEST CONTROL SYSTEMS FOR ORNAMENTAL PLANTS) W
-4 UNITS
- AEPS 431 (INSECT PEST MANGEMENT) SP -4 UNITS
- AEPS 441 (BIOLOGICAL CONTROL FOR PEST MANAGEMENT) F -4 UNITS
- ASCI 203 (ANIMAL PARASITOLOGY) TBD -3 UNITS
- AEPS/WVIT 414 (WINE PEST MANAGEMENT) F -4 UNITS



ELECTIVES

13.5 UNITS NEEDED

(FILL IN THE BLANKS)

☐☐☐☐

SELECT COURSES LISTED IN THE CROP HEALTH, PEST MANAGEMENT SYSTEMS AND METHODS, AND PRODUCTION SYSTEMS CORE AREAS.
REMEMBER, DO NOT DOUBLE COUNT UNITS FROM ONE CORE AREA TO THE NEXT!

Year 1

FALL QUARTER

- Curriculum courses
- AEPS 120 (4)*
- BOT 121 (4)*

WINTER QUARTER

- Curriculum courses
- AEPS 327 (4)
- AEPS 203 or 204 (2)

SPRING QUARTER

- Curriculum courses plus minor electives
- AEPS 190 (4)
- AEPS 321 (4)
- AEPS 313 (4)

*- Important prerequisite for courses during your Cal Poly career. Take ASAP!

** - Used to complete the physical and biological sciences portion of the PCA requirements checklist. Does not contribute to minor.

Year 2

FALL QUARTER

- Curriculum courses plus minor electives
- BRAE 340 (4)
- AEPS 441 (4)
- AEPS 329 (4)**

WINTER QUARTER

- Curriculum courses plus minor electives
- AEPS 421 (4)
- AEPS 244 (4)

SPRING QUARTER

- Curriculum courses plus minor electives
- AEPS 323 (4)
- AEPS 315 (4)***

*** - Used to complete the production systems portion of the PCA requirements checklist. Counts as crop science minor elective option.

2 YEAR PLAN FOR COMPLETING
BOTH MINORS AND THE
AGRICULTURAL SCIENCE MAJOR

HOW TO AVOID PITFALLS

TALK TO YOUR ACADEMIC ADVISOR!

This may seem like common sense but far too often students avoid their "AA" and make mistakes when planning their schedules.

WATCH OUT FOR PREREQUISITES

Much like community college, some courses may require a series of other courses be completed before the original course may be available. You want to know this early on in your Cal Poly career to plan accordingly.

USE YOUR POLYPLANNER

This simple yet effective tool allows you to lay out your schedule quarters in advance and see if courses are available or not. It also notifies you of the course overview and what prerequisites may be needed.

TAKE UPPER DIVISION

As you progress through your Cal Poly career, always make sure to keep an eye on how many upper division courses you have completed. Failure to do so may result in a "victory lap" aka another quarter. Ag Science students typically have a hard time completing the necessary number of upper division units in a timely manor.

DOUBLE CHECK YOUR PCA REQUIREMENTS ARE MET BEFORE GRADUATION!

The simplest way to ensure you graduate on time with all courses necessary to take the California PCA exam is to print out the checklist and spend time walking through it before entering your second year at Cal Poly. This will allow you to make up courses you may have over looked that are only offered at certain quarters during the year.

LINK TO CAL POLY COURSES THAT SATISFY REQUIREMENTS FOR THE PEST CONTROL ADVISOR'S EXAM:

<https://content-calpoly-edu.s3.amazonaws.com/aeps/1/documents/PCARrequirements.pdf>

NOTES:

