**SUSTAINABLE AGRICULTURE MINOR: 2019-2020**

# Name: Click or tap here to enter text. ID #: Click or tap here to enter text.

**Local Address:** Click or tap here to enter text. **E-mail:** Click or tap here to enter text.

Click or tap here to enter text. **Local Phone:** Click or tap here to enter text.

**Major:** Click or tap here to enter text. **Expected Graduation Date:** Click or tap to enter a date.

**Major Advisor:** Click or tap here to enter text.

Students approach modern agricultural problems from a holistic perspective, emphasizing agricultural planning integrated with ecological principles. Through experience in sustainable agricultural practices, students learn about a farm/ranch in the context of an agro-ecosystem: a system whose processes and relationships can be manipulated to allow production with fewer adverse environmental impacts and external inputs. Students develop knowledge and skills involving holistic management, crop production, and adaptive decision-making in a hands-on environment. The minor is available to all Cal Poly students.

# Required Courses 18

*Advanced version of the following courses may be substituted by production majors.*

AEPS 203 Organic Farming Enterprise Project (2) AG 360 Holistic Management (4)

AEPS/AG 315 Principles of Organic Crop Production (4) NR 324 Social Dimensions of Sustainable Food and Fiber Systems AG 339 Internship in Agriculture (4)

# Area Studies 11

Select minimum of one course from three of the following Areas. A minimum of 4 units must be at the 300-400 level.

*Agriculture and Society Area:*

* AG 350 The Global Environment (4)  SOC 309 The World System and Its Problems (4)
* AGB 312 Agricultural Policy (4)  UNIV/POLS 333 World Food Systems (4)
* GEOG/ERSC 333 Human Impact on the Earth (4)  UNIV/PSC/HNRS 391 Appropriate Technology
* NR 142 Environmental Management (4) for the World’s People: Development (4)

*Production Agriculture Area:*

* AEPS 321 Weed Biology and Management (4)  ASCI 221 Introduction to Beef Production (4)
* AEPS/BOT 323 Plant Pathology (4)  ASCI 223 Systems of Small Ruminant Management (4)
* AEPS 431 Insect Pest Management (4)  ASCI 311 Advanced Beef Cattle System Management (4)
* AEPS 441 Biological Control for Pest Management (4)  BRAE 340 Irrigation Water Management (4)
* AEPS 445 Cropping Systems (4)  BUS 212 Financial Accounting for Nonbusiness Majors (4)
* AGB 212 Agricultural Economics (4)  SS 221 Soil Health and Plant Nutrition (4)

*or* SS 322 Soil Plant Relationships (4)

*Agroecology Area:*

* NR 306 Natural Resource Ecology and Habitat Management (4)  SS 321 Soil Morphology (4)
* NR 323 Human Dimensions in Natural Resources Management (4)  SS 440 Forest and Range Soils (4)

*Environmental Design Area:*

* AEPS 381 Native Plants for California Landscapes (4)  LA 221 California Plants and Plant Communities (4)
* EDES 406 Sustainable Environments (4)  UNIV/PSC/HNRS 392 Appropriate Technology for the
* LA 202 Design Fundamentals I (4) World’s People: Design (4)

# Total Units for the Minor 29

**APPROVALS:**

**Date:**

**Student Signature**

**Date:**

**Department Head or Minor Coordinator Signature**

Copies: Sustainable Ag. Minor Coordinator, HCS Department, Graduation Clerk, Records, Major Advisor, Student