

# AGRICULTURAL ENGINEERING TECHNOLOGY (AGET)

See Course Description Symbols and Terms (<https://catalog.csuchico.edu/academic-standards-policies/course-description-symbols-terms/>) for an explanation of course description terminology and symbols, the course numbering system, and course credit units.

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## AGET 120 Introduction to Agricultural Mechanics 3 Units

**Typically Offered:** Spring only

Selection, care, and use of common tools; study of safety, common materials and skills used in electrical, plumbing, woodworking, metal work, and land measurement in the field of agriculture. 3 hours laboratory, 2 hours lecture. (000166)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Lower Division

## AGET 150 Agricultural Machine Systems 3 Units

**Typically Offered:** Fall only

Principles of operation, adjustments, calibration, and safety of wheel and track-type tractors including implements and equipment commonly used in California agriculture. 3 hours laboratory, 2 hours lecture. (000164)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Lower Division

## AGET 198 Special Topics 1-3 Units

**Prerequisite:** Department permission.

**Typically Offered:** Fall and spring

This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours supervision. (000169)

**Grade Basis:** Graded

**Repeatability:** You may take this course more than once

**Course Attributes:** Lower Division

## AGET 298 Special Topics 1-3 Units

**Typically Offered:** Inquire at department

This course is for special topics offered for 1.0 - 3.0 units. Typically the topic is offered on a one-time-only basis and may vary from semester to semester and be different for different sections. See the class schedule for the specific topic being offered. 3 hours seminar. (020966)

**Grade Basis:** Graded

**Repeatability:** You may take this course more than once

**Course Attributes:** Lower Division

## AGET 299 Special Problems 1-3 Units

**Prerequisite:** Faculty permission.

**Typically Offered:** Fall and spring

This course is an Independent study of a topic or problem and is offered for 1.0-3.0 units. Students must register with a supervising faculty member. A maximum of 6 units of special problems may be applied toward a bachelor's degree in agriculture. 9 hours supervision. (020957)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Lower Division

## AGET 320 Agricultural Mechanics Project Development 2 Units

**Prerequisite:** AGET 120

**Typically Offered:** Spring only

Medium-sized project development techniques for agricultural mechanics instruction. Emphasis is on curriculum development, materials, planning, and construction techniques typically used in secondary instruction for construction courses and SAE. 1 hour discussion, 3 hours laboratory. (022526)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 2 units

**Course Attributes:** Upper Division

## AGET 340 GPS & GIS in Agriculture and Natural Resource Management 3 Units

**Typically Offered:** Fall only

Application of Global Positioning Systems (GPS) and Geographic Information Systems (GIS) in agriculture and natural resource management. Identification and delineation of locations and areas; collection, analysis, storage, and retrieval of site and time specific data for agriculture and natural resource management and monitoring. 3 hours laboratory, 2 hours lecture. (000168)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Upper Division; Sustainable Course

## AGET 360 Irrigation 3 Units

**Prerequisite:** PSSC 101 or PSSC 250 or faculty permission.

**Typically Offered:** Spring only

Design, management, and evaluation of landscape and agricultural irrigation systems for efficient water use. 3 hours laboratory, 2 hours lecture. (000170)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Upper Division; Sustainable Course

## AGET 389 Internship in Agricultural Engineering Technology 1-3 Units

**Prerequisite:** Prior approval of academic goals by the Internship Coordinator.

**Typically Offered:** Spring, summer, fall

This course is an internship offered for 1.0-3.0 units. You must register directly with a supervising faculty member. Work experience with selected farm machinery shop or corporations is to be completed and supervised by faculty and staff of cooperating ranch or industry. 0 hours independent study. (000174)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 15 units

**Course Attributes:** Upper Division

## AGET 398 Special Topics 1-3 Units

**Typically Offered:** Inquire at department

This course is for special topics offered for 1.0 - 3.0 units. Typically the topic is offered on a one-time-only basis and may vary from semester to semester and be different for different sections. See the class schedule for the specific topic being offered. 3 hours seminar. (000176)

**Grade Basis:** Graded

**Repeatability:** You may take this course more than once

**Course Attributes:** Upper Division

**AGET 399 Special Problems** **1-3 Units**

**Prerequisite:** Upper-division standing, faculty permission.

**Typically Offered:** Fall and spring

This course is an independent study of a topic or problem and is offered for 1.0-3.0 units. Students must register with a supervising faculty member. Study/research in agriculture under direct supervision of a faculty member. A maximum of 6 units may be applied toward a bachelor's degree in agriculture. 0 hours independent study. (000177)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Upper Division

**AGET 489 Internship in Agri Engineering** **1-3 Units**

**Typically Offered:** Fall and spring

3 hours lecture. (000180)

**Grade Basis:** Graded

**Repeatability:** You may take this course for a maximum of 15 units

**Course Attributes:** Upper Division

**AGET 498 Special Topics** **1-3 Units**

**Prerequisite:** Department permission.

**Typically Offered:** Fall and spring

This course is for special topics offered for 1.0-3.0 units. Typically the topic is offered on a one-time-only basis and may vary from term to term and be different for different sections. See the Class Schedule for the specific topic being offered. 3 hours supervision. (000184)

**Grade Basis:** Graded

**Repeatability:** You may take this course more than once

**Course Attributes:** Upper Division

**AGET 499 Special Problems** **1-3 Units**

**Prerequisite:** Faculty permission.

**Typically Offered:** Fall and spring

This course is an independent study of special problems offered for 1.0-3.0 units. You must register directly with a supervising faculty member. 0 hours independent study. (000186)

**Grade Basis:** Credit/No Credit

**Repeatability:** You may take this course for a maximum of 6 units

**Course Attributes:** Upper Division