

Agriculture & Veterinary Technology Program Info





Agriculture in Ventura County

= **\$2.1 Billion in Sales (2022)**

Top five crops by value (2022)

- | | |
|------------------|---------------|
| 1. Strawberries | \$663 million |
| 2. Avocados | \$245 million |
| 3. Lemons | \$206 million |
| 4. Nursery Stock | \$194 million |
| 5. Celery | \$127 million |
| 6. Raspberries | \$112 million |
| 7. Peppers | \$53 million |





POSSIBLE CAREERS IN AG

State and Federal Government Jobs

- Grading & Inspection
- Customs, Immigration
- USDA
 - NRCS
 - FSIS, APHIS
 - Foreign Agricultural Service
 - Farm Service Agency
 - Food & Nutrition Assistance
 - NASS, ERS
 - Forest Service
- FDA
- EPA
- Dept. Fish & Wildlife

- Ag Sales & Marketing
- Product R & D
- Agribusiness Manager
- Feed & Livestock Product Sales

Nearly ALL job sectors within Ag Business, Plant Science and Food Safety will continue to see INCREASED DEMAND and GROWTH in job markets, particularly in Ventura County!

- Ag Equipment Sales
- Ag Credit, Banking & Finance Services
- Seed and Input Sales
- Irrigation Specialist
- Ag Mgmt
- Veterinary Tech
- (CCA)
- PCA)
- Finance
- Operations/Maintenance





AGRICULTURE

The Ventura College Agriculture program prepares students for future careers within the agriculture industry through hands-on learning and curriculum designed to engage students in all aspects of agriculture, from the field to the fork. There is demand for qualified graduates in numerous sectors of the vital agriculture industry including: Agriculture business management, food safety, plant and crop science, soil science, pest control, postharvest technology, and ag mechanics. Students trained in VC's Agriculture program can confidently enter the industry bringing with them the strengths from the integration of business, science, and technology.

Programs Offered:

- Agriculture Business
- Agriculture Plant Science
- Food Safety
- Veterinary Technology
- Agriculture Field Supervisor
- (Non-Credit)

Career Opportunities:

- Crop Services (Agronomy, Soil Science, Pest Control)
- Grower Relations
- Growing, Harvesting, Processing (Management & Production)
- Sales & Marketing
- Import/Export Sourcing & Distribution
- Ag Credit, Finance, Insurance
- State & Federal Ag Agencies (USDA, FDA, EPA)
- Food Safety Regulations, Inspection & Compliance
- Supply Chain Management/Logistics
- Wholesale/Retail Distribution
- Ag Production Systems (Organic, Hydroponic)



Request more information about AG Programs:

Dr. Dorothy Farias - Agriculture Department Chair

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DEGREE & CERTIFICATE PROGRAMS

- **ASSOCIATES DEGREE (AS):**

- Ag Business *AST
- Plant Science *AST
- Veterinary Technology (RVT)
- Food Safety



- **CERTIFICATE OF ACHIEVEMENT (COA):**

- Plant Science
- Food Safety
- Veterinary Assistant
- Ag Business
- Pest Control Adviser Prep (F23)
- Heavy Equipment Operations & Maintenance (F24)
- Industrial Fabrication (F24)



- **CERTIFICATE OF COMPLETION (COCN):**

- Food Safety
- Ag Field Supervisor (Bilingual/ESL)





Fall 2023/24 NEW CERTIFICATE PROGRAMS

- **CERTIFICATE OF ACHIEVEMENT (COA):**

1. **COA in Ag Pest Control Adviser Preparation**
2. **COA in Heavy Equipment & Industrial Systems Operation & Maintenance (AIT inter-disciplinary) (F24)**
3. **COA in Industrial Technology & Fabrication (AIT inter-disciplinary) (F24)**





Major AG Courses

- **Major Core Courses**

- AG V04 – Soil Science
- AG V05 – Farm Power
- AG V06 – Plant Science
- AG V10 – Intro Ag Business
- AG V11 – Ag Sales/Comm
- AG V12 – Ag Economics
- AG V13 – Ag Computer Apps
- AG V14 – Ag Accounting
- AG V30 – Plant Propagation
- AG V61 – Intro Animal Sci

- **Sample Elective Courses:**

- AG V20 – Integrated Pest Mgmt
- AG V21 – Plant Pathology
- AG V42 – Plant ID Spring
- AG V43 – Plant ID Fall





VC OUTDOOR LEARNING LABS





<https://spotlightoncareers.net/>

A screenshot of the Spotlight on Careers website. The header includes the "Spotlight on careers" logo, navigation links for "Home", "Favorites", and "Resources", and a purple "Install App" button. Below the header, the page title "Home / Agriculture & AG Tech" is displayed. The main content area features a large heading "Agriculture & AG Tech" followed by a paragraph: "Agriculture & AG Tech is a sector that focuses on the improvement and enhancement of farming practices through technology. The goal is to increase efficiency and profitability, as well as protect and improve the environment." To the right of the text are two photographs: one of a man in a pink shirt holding a long tool in a field, and another of a man in a white shirt and cap using a handheld device. The page is decorated with purple circular accents.





VETERINARY ASSISTANT & VETERINARY TECHNOLOGY PROGRAM



PROGRAM:

The Veterinary Technology Associate of Science Degree Program is a two-tiered pathway that begins with the Certificate of Achievement in Veterinary Assistant.

The goal of this program is to prepare students for careers within the veterinary and animal care industries.

Successful completion of the first-year Veterinary Technology program courses and general education courses will allow the student to earn the certificate of achievement and move on to the associate degree program.

The curriculum covers husbandry, handling, and medical care for dogs, cats, horses, cows, small ruminants, birds, and small exotic pet species such as rabbits, rats, guinea pigs, and reptiles.



REQUIRED PREREQUISITES

REQUIRED PREREQUISITES = 17 Units

BIOL V01 (GE Area A1)	Principles of Biology	3
BIOL V01L (GE Area A1)	Principles of Biology Lab	1
CHEM V20 (GE Area A2)	Elementary Chemistry	4
CHEM V20L (GE Area A2)	Elementary Chemistry Lab	1
ENGL V01A	English Composition	4
[MATH V44 (GE Area D2)	Elementary Statistics	4
OR		
PSY V04 (GE Area D2)]	Introductory Statistics for the Social & Behavioral Sciences	4



COURSE OUTLINE: YEAR 1

YEAR 1: FALL = 12.5 Units

AG V01 (GE Area C2)	Agriculture & Society: Agriculture as a Foundation for Modern Civilization	3
AG V61	Introduction to Animal Science	3
AG V62	Orientation to Veterinary Science	1
AG V63	Domestic Animal Care Experience & Handling	1.5
AG V66	Anatomy & Physiology of Animals	4

YEAR 1: SPRING = 14 Units

AG V64	Veterinary Office Procedures	3
AG V65	Animal Health & Disease Control	3
AG V67	Basic Small Animal Nursing	3
AG V68	Veterinary Diagnostic Imaging	2
GE Area B1, C1, or E1	Student Choice (See Course Catalog)	3

YEAR 1: SUMMER = 8 Units

MICRO V01	General Microbiology	4
GE Area B1, C1, or E1	Student Choice (See Course Catalog)	3
GE Area E2	Student Choice (See Course Catalog)	1

COURSE OUTLINE: YEAR 2

YEAR 2: FALL = 13.5 Units

AG V69	Principles of Large Animal Nursing	3
AG V70	Advanced Small Animal Nursing	3
AG V71	Basic Veterinary Clinical Procedures	1.5
AG V75	Veterinary Microbiology, Parasitology, & Laboratory Procedures	3
AG V12 (GE Area B2)	Agriculture Economics	3

YEAR 2: SPRING = 12 Units

AG V72	Advanced Veterinary Clinical Procedures	3
AG V73	Veterinary Dentistry	3
AG V74	Introduction to Laboratory Animal & Exotic Companion Animal Medicine	3
GE Area B1, C1, or E1	Student Choice (See Course Catalog)	3

YEAR 2: SUMMER = 4 Units

AG V95 or AG V96	Agriculture Internship I or Veterinary Clinical Internship II	4
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TOTAL UNITS/HOURS = 64

Prerequisites = 17 Units

Certificate of Achievement = 43.5 Units (Prerequisites + Year 1)

A.S. Degree = 64 Units (Prerequisites + Year 1 & 2)

CONTACT INFORMATION:



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- Dr. McKenzie Rassmussen – Vet Tech Program Director
- Felicia Duenas – Dean, Career Education II

www.venturacollege.edu/careered



THANK YOU



Ventura College does not discriminate on the basis of race, color, national origin, sex, disability, age or sexual orientation.

Ventura College no discrimina por motivos de raza, color, origen nacional, sexo, discapacidad, edad u orientación sexual.

