

**REVISED APRIL 2021
WORK PROCESS SCHEDULE**

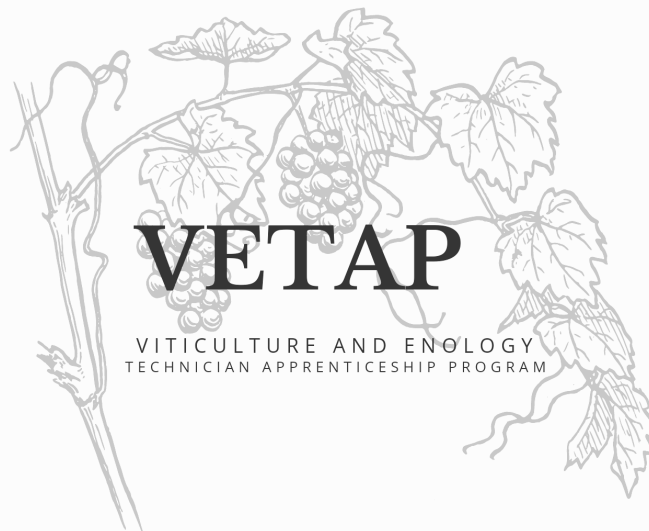
AND

RELATED INSTRUCTION OUTLINE

OCCUPATION TITLE Viticulture Technician (Farm Manager)

O*NET-SOC CODE: 11-9013.00

**FOR THE VITICULTURE AND ENOLOGY
TECHNICIAN APPRENTICESHIP PROGRAM**



Work Process Schedule

Viticulture Technician (Farm Manager)		
Job Description: Plan, direct, or coordinate the management or operation of farms, ranches, greenhouses, aquacultural operations, nurseries, timber tracts, or other agricultural establishments. May hire, train, and supervise farm workers or contract for services to carry out the day-to-day activities of the managed operation. May engage in or supervise planting, cultivating, harvesting, and financial and marketing activities.		
	O*NET Code: 11-9013.00	
Estimated Program Length: 3000 hours		
Apprenticeship Type: <input checked="" type="checkbox"/> Competency-Based <input type="checkbox"/> Time-Based <input type="checkbox"/> Hybrid		

Direct Organizational Operations		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> Maintain financial, operational, production, or employment records for farms or ranches. Determine how to allocate resources and to respond to unanticipated problems, such as insect infestation, drought, and fire. Prepare reports required by state and federal laws. Maintain financial, operational, production, or employment records for farms or ranches Coordinate clerical, record-keeping, inventory, requisitioning, and marketing activities. Determine, administer, and execute policies relating to operations administration and standards, facility maintenance, and safety. 		

Pruning		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> Pre-Pruning Pruning two seasons in the same vineyard Training and thinning/stripping 		

Pest Control		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> • Invertebrate pest control • Vertebrate pest control • Disease Remediation • Weed Control 		

Irrigation		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> • Irrigation system maintenance • Water management, position and regulate plant irrigation systems, and program environmental and irrigation control computers. 		

Vineyard installation		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> • Climate • Design • Varietal selection • Root stock • Site selection 		

Harvest		
Competencies (approx. 600 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> • Inspect Incoming Fruit • De-Stemming • Crushing • Fermenting • Pressing • Must Adjustment Calculations 		

Facility and Construction Management		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> Inspect facilities and equipment for signs of disrepair, and perform necessary maintenance work. Supervise the construction of farm or ranch structures, such as buildings, fences, drainage systems, wells, or roads. 		

Vineyard/Berry Sampling Procedure/Analysis		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> Collect and record growth, production, and environmental data. Brix, pH, visual inspection 		

Soil Analysis & Nutrition		
Competencies (approx. 300 hrs.)	Date Completed	Initial
<ul style="list-style-type: none"> Analyze soil to determine types or quantities of fertilizer required for maximum crop production. 		

The above work process is intended as a guide. It is not to be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to make the apprentice fully competent and use good workmanship in all work processes which are part of the trade. In addition, the apprentice shall be fully instructed in safety and OSHA requirements.

Related Instruction Outline

Provider
Name: MiraCosta Community College
Address: 1 Barnard Drive, Oceanside, CA 92056
Suggested Related Instruction Hours: 600

Course Number	Course Title	Contact Hours
HORT 115	Soil Science	150
HORT 126	Irrigation and Water Management	150
HORT 134	Integrated Pest Management	150
HORT 149	Vineyard Production and Management	150

Related Instruction Outline

Provider
Name: Mt. San Jacinto Community College
Address: 1499 N. State Street, San Jacinto, CA 92583
Suggested Related Instruction Hours: 600

Course Number	Course Title	Contact Hours
HORT 504	Soil Science and Management	150
HORT 501	Horticulture Science	150
HORT 510	Laws and Regulations, an Integrated Pest Management Approach	150
WINE 100	Introduction to Viticulture	150