

Agribusiness: Viticulture

Award Type: Certificate of Achievement

Designed for students preparing for or advancing in careers such as vineyard management, pest management, fertilizer sales or irrigation management.

The graduate of the Certificate of Achievement in Agribusiness: Viticulture will:

- Use basic ideas and concepts in viticulture, including biology, and ecophysiology of vines and grape cultivars, to work in the viticulture industry.
- Assess and differentiate effects of viticultural activities and processes in final grapes and wines produced, including yearly activities and grape vine phenology describing alternatives to make sound viticultural decisions during the entire year to ensure quality fruit and healthy vines.
- Identify common vineyard problems and suggest solutions.
- Identify effects on different soils in viticulture and analyze precision viticulture practices and be able to use the information for continuous vineyard improvement.
- Analyze costs and sustainable alternatives in viticulture.

Program Requirements

A total of 26 units is required for the certificate. Required core courses (17 units):

Course Number	Course Title	Units
VEN 102	Introduction to Viticulture	3.0
VEN 120	Viticulture Operations 1	3.0
VEN 121	Viticulture Operations 2	3.0
AG 125	Soils and Plant Nutrition	4.0
AG 130	Integrated Pest Management	4.0

Plus a minimum of 9 units selected from the following:

Course Number	Course Title	Units
VEN 101	Introduction to Winemaking/Enology	3.0
VEN 103	Sensory Evaluation of Wine	3.0
VEN 114	Wine Business	3.0
VEN 122	Viticulture Operations 3	3.0
VEN 135	Grapevine Physiology	1.0
VEN 140	Viticulture Operations 4	3.0
VEN 141	Viticulture Operations 5	3.0
VEN 142	Viticulture Operations 6	1.0
AG 149	Cooperative Work Experience: Occupation	1.0 - 8.0 units
VEN 307	Vineyard Irrigation	3.0
VEN 308	Wine Analysis	3.0
VEN 310	Winemaking Operations I	2.0
VEN 311	Winemaking Operations II	2.0
VEN 312	Advanced Viticulture	3.0
VEN 314	Organic/Biodynamic Winegrowing	3.0
AG 315	Fertilizers & Plant Nutrition	4.0
BIOL 154	General Botany	5.0
CHEM 120	Introductory Chemistry	4.0