

# KENT STATE UNIVERSITY CERTIFICATION OF CURRICULUM PROPOSAL

Preparation Date **10-Dec-18** Curriculum Bulletin \_\_\_\_\_

Effective Date **Fall 2019** Approved by EPC \_\_\_\_\_

Department **VIN**  
College **RE - Regional College**

Degree \_\_\_\_\_  
Program Name **Viticulture** Program Banner Code **VIN - C155**

Concentration(s) \_\_\_\_\_ Concentration(s) Banner Code(s) \_\_\_\_\_

Proposal **Establish program**

Description of proposal:

**Create a Certificate program in Viticulture using the existing Associate of Applied Science in Viticulture degree**

Does proposed revision change program's total credit hours?  Yes  No

Current total credit hours: \_\_\_\_\_ Proposed total credit hours: \_\_\_\_\_

Describe impact on other programs, policies or procedures (e.g., duplication issues; enrollment and staffing considerations; need; audience; prerequisites; teacher education licensure):


**None**

Units consulted (other departments, programs or campuses affected by this proposal):

**Regional College Curricular Committee**

### REQUIRED ENDORSEMENTS

EDWARD REBERS  12/11/18  
Department Chair / School Director

 12/11/18  
Campus Dean (for Regional Campuses proposals)

 12/14/18  
College Dean (or designee)

\_\_\_\_\_  
Dean of Graduate Studies (for graduate proposals)   /  /  

\_\_\_\_\_  
Senior Vice President for Academic Affairs and Provost (or designee)   /  /

# Viticulture - Certificate

## Regional College

[rcdean@kent.edu](mailto:rcdean@kent.edu)

[www.kent.edu/regional-college](http://www.kent.edu/regional-college)

## Description

The Certificate in Viticulture provides students with the practical experiences and technological skills of the cultivation of grapes for making wine. This program emphasizes hands-on experiences and internships at local vineyards and wineries in Ohio.

Certificate Completers are qualified for positions in the commercial winemaking industry as a viticulturist, vineyard manager and assistant vineyard manager.

## Fully Offered At:

- Ashtabula Campus

## Admission Requirements

The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, and the Regional Academic Center in Twinsburg, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

For more information on admissions, contact the Regional Campuses admissions offices.

## Program Learning Outcomes

Graduates of this program will be able to:

1. Identify and safely use planting, cultivating, spraying and harvesting equipment found in a vineyard
2. Identify the various parts of a grapevine and describe the sequential growth cycle of grapevines
3. Properly prune grapevines, including calculations regarding the appropriate balanced pruning formula
4. Identify and treat major pest, weed and fungus infestations in a vineyard, including preventative treatments

5. Perform random sample on vines to predict crop yield and maintain vine balance
6. Collect fruit samples and perform lab analyses regarding harvest parameters
7. Make decisions regarding vineyard management practices, including planting, pruning, harvest, nutrition, planning and winterization

## Gainful Employment Disclosure

## Program Requirements

### Requirements

Course List		
Code	Title	Credit Hours
<a href="#">VIN 11100</a>	INTRODUCTION TO VITICULTURE AND VINEYARD ESTABLISHMENT	3
<a href="#">VIN 11392</a>	WINTER VITICULTURE FIELDWORK (ELR)	2
<a href="#">VIN 11492</a>	SPRING VITICULTURE FIELDWORK (ELR)	2
<a href="#">VIN 11592</a>	SUMMER/FALL VITICULTURE FIELDWORK (ELR)	2
<a href="#">VIN 21100</a>	INTEGRATED PEST MANAGEMENT	2
<a href="#">VIN 21300</a>	REGIONAL VINEYARD MANAGEMENT	2
<a href="#">VIN 29300</a>	SOILS FOR VITICULTURE	3
<a href="#">BSCI 16001</a>	HORTICULTURAL BOTANY	3-4
or <a href="#">VIN 11200</a>	BOTANICAL VITICULTURE	
Minimum Total Credit Hours:		19-20

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## Graduation Requirements

**Minimum Certificate GPA**

2.000



**Notice of Intent to Offer an Educational Program**  
**Viticulture Technology – Undergraduate Certificate**  
**Kent State University** *Post Sec.*

Gainful Employment Electronic Announcement #5 dated 1 June 2011 and posted on [www.ifap.ed.gov](http://www.ifap.ed.gov) explains the process for institutional notification to the U.S. Department of Education (ED) of new educational programs that prepare students for gainful employment in a recognized occupation (GE Programs). An institution's notification to ED of its intent to offer a new GE Program must include information to support the institution's determination of the need for the program, as required by the regulations at 34 CFR 600.20(d)(2). Descriptions and documentation provided by an institution can cover more than one new GE Program, if the same, or similar, process was used by the institution to determine the need for the program, and should be provided as follows:

1. Institution Name: **Kent State University**
2. OPEID: **00305100**
3. Program name(s) and program CIP code(s) supported by this documentation: *(Therese Tillett will provide CIP code once document has been submitted to Curriculum Services.)*
4. Narrative description of how the institution determined the need for the program. For example, describe what need this program will address and how the institution became aware of that need. If the program is replacing a current program(s), identify the current program(s) that is being replaced by the new program(s) and provide details describing the benefits of the new program(s). If the program will be offered in connection with, or in response to, an initiative by a governmental entity, provide details of that initiative. The institution must retain documents that support this description for review or submission to the ED upon request.

Kent State University Ashtabula currently grants an Associate of Applied Science (AAS) in Viticulture. The Associate of Applied Science in Viticulture first offered classes in Fall 2011. Since its inception, we have granted twelve degrees in this major, and all twelve graduates are employed in the industry. This proposed Certificate of Viticulture Technology is based on the coursework from the AAS.

Kent State University Ashtabula is a partner institution in the Viticulture and Enology Science and Technology Alliance (VESTA). VESTA is a collaborative effort of higher education institutions supported in part by a grant from the Advanced Technical Education (ATE) program of the National Science Foundation. VESTA provides education opportunities to address the technical workforce needs of the grape and wine industry through introductory and advanced courses in viticulture and enology. One of the benefits of partnering with VESTA is that it provides KSUA with the opportunity to gather information and receive feedback from other colleges and universities and industry professionals from across the country. Other partner institutions successfully offer both the Certificate in Viticulture Technology and the Associate of Applied Science in Viticulture. Students can use the Certificate as a pathway to employment in this industry.

In addition, Kent State University Ashtabula receives many inquiries from potential viticulture students who have already completed a bachelor degree in a different field, who are looking for a career change. Some of these potential viticulture students are able to leverage their previous bachelor degree coursework to earn the AAS in Viticulture. However, many times, they are



missing some coursework in the AAS that they are not interested in completing as a post-undergraduate student to receive an AAS, and they are seeking to only earn the certificate. At this time, when we receive these inquiries, we must refer the students to other partners in the VESTA partnership so that they can complete the Certificate at a VESTA partner institution that offers it. If the student is not interested in completing the coursework through another VESTA partner school, they take classes locally, and then stop out of the program which adversely affects our completion rates. On average, we receive 3-5 of these inquiries annually.

KSUA meets annually with an advisory committee of the AAS in Viticulture degree. The 15 industry professionals on this committee have recommended the creation of the Viticulture Technology Certificate. As employers of our AAS graduates, they also see value in having employees with the technical training that will be provided by the Certificate.

The Ohio Grape Industries Committee and the Ohio Wine Producers Association are actively seeking to promote and encourage the planting and creation of new vineyards in Ohio. According to the Ohio Grape Industries Committees 2016 Economic Impact Report [<http://www.findohiowines.com/wp-content/uploads/2018/02/Ohio-2016-Economic-Impact-Report-FINAL.pdf>], grape production in Ohio has dropped from 1,900 acres in 2012 to 1,500 acres in 2016. This primarily is a result of the unfavorable winter weather conditions that occurred in 2014 and 2015, producing significant vineyard loss. However, as grape production has lagged, wine production in Ohio has increased, forcing Ohio wineries to rely on grape producers in other states, which increases the cost of the finished product. As the Ohio industry continues to focus on increasing the number of acres of grapes grown in Ohio, a Certificate program in Viticulture Technology will assist in training potential new vineyard owners and vineyard workers. The Ohio wine industry will then be able to rely less on grapes produced outside the state, increasing vineyard profits.

5. Narrative description of how the program was designed to meet local market needs, or for an online program, regional or national market needs. For example, indicate if Bureau of Labor Statistics data or state labor data systems information was used, and/or if state, regional, or local workforce agencies were consulted. Include how the course content, program length, academic level, admission requirements, and prerequisites were decided; including information received from potential employers about course content; and information regarding the target students and employers. The institution must retain copies of documents and its analysis for review and submission to the ED upon request.

Kent State University Ashtabula has partnered closely with the grape and wine industry in Ohio to design our program to meet the local and regional market needs. In addition to the Advisory Committee members, Kent State University Ashtabula works with other vineyard owners and managers to establish sites for students to complete Field Experience hours. We are able to leverage the partnerships for the AAS in Viticulture to assist us in designing the Certificate in Viticulture Technology. The Certificate in Viticulture Technology uses the same admission requirements, prerequisites, and course content as the AAS degree. The length of the Certificate program was reviewed by faculty and industry members to validate its usefulness to future employers.

6. Narrative description of any wage analysis the institution may have performed, including any consideration of Bureau of Labor Statistics wage data related to the new program. The institution must retain copies of analysis documents for review and submission to the ED upon



request.

A wage analysis specific to the Certificate of Viticulture Technology was not completed because we are currently offering the AAS in Viticulture and meeting the industry needs. The purpose of this proposal is to provide an option for concentrated study in Viticulture. However, in 2017, the Ohio Grape Industries Committee released the 2016 Economic Impact Report. This report indicates that there were 383 full-time equivalent vineyard workers for a total payroll of approximately \$7.9 million in 2016. The Ohio May 2017 Occupational Employment and Wage Estimates released by the Bureau of Labor Statistics indicates that the mean wage for Agricultural Managers is \$82,660; the mean wage for Agricultural Equipment Operators is \$36,460.

7. Narrative description of how the program was reviewed or approved by, or developed in conjunction with, one or more of the following: business advisory committees; program integrity boards; business that would likely employ graduates of the program; and/or public or private oversight or regulatory agencies (not including the state licensing/authorization agency and accrediting agency).

For example, describe the steps taken to develop the program, identify when and with whom discussions were held, provide relevant details of any proposals or correspondence generated, and/or describe any process used to evaluate the program. The institution must retain, for review and submission to the ED upon request, copies of meeting minutes, correspondence, proposals, or other documentation to support the development, review, and/or approval of the program.

The Associate of Applied Science in Viticulture has an active advisory committee made up of 15 industry professionals from various grape growing regions in the Ohio. The advisory committee has recommended the creation of the Certificate of Viticulture Technology in order to help meet industry needs for qualified viticulture workers.

8. Date of the first day of class. Include both:
  - a. The first day the program was or will be offered by the institution, and  
First day of Fall semester 2019
  - b. The day you would like to begin disbursing Title IV funds to students enrolled in the program.  
First day of Title IV fund disbursement for Fall semester 2019