

MEMORANDUM

TO: Amy Nielsen, Executive Secretary
Faculty Senate

FROM: Becky Bitter, Registrar's Office

FOR: Academic Affairs Committee

DATE: 26 February 2020

SUBJECT: Proposal to Establish the New Degree of the BS in Viticulture and Enology, Tri-Cities

At its meeting on February 25, 2020, AAC approved the attached proposal from the College of Agricultural, Human, and Natural Resource Sciences to establish a new degree, the BS in Viticulture and Enology, with a major of Viticulture and Enology, to be offered exclusively on the Tri-Cities campus.

At the same time, the Viticulture and Enology major that is currently offered as one of the majors under the BS in Integrated Plant Sciences degree will be discontinued.

The proposal has support from the Provost, the Budget Committee, the Catalog Subcommittee, and the Library Committee.

At this time, Faculty Senate review and approval is recommended, to be effective fall 2020.

MEMORANDUM

TO: Kasee Hildebrand, Chair Academic Affairs Committee

FROM: Blaine Golden, Assistant Registrar

DATE: February 19th, 2020

SUBJECT: Elevate to Degree and Discontinue major on Pullman Campus – Bachelor of Science in Viticulture and Enology

The College of Agricultural, Human, and Natural Resource Sciences proposes to elevate the Integrated Plant Sciences major of Viticulture and Enology to the degree Bachelor of Science in Viticulture and Enology. The program will be administered by the Tri Cities campus and the Viticulture and Enology major will be discontinued on the Pullman campus.

These proposals and a revised schedule of studies were approved by the Catalog Subcommittee on February 13, 2020.

The schedule of studies is submitted as a separate attachment.



Office of
Faculty Senate

MEMORANDUM

TO: Kate McAteer, Renny Christopher, Mark Beattie, Robin Mays, Nicole Campbell

FROM: Gayle Anderson

RE: Create a Bachelor of Science in Viticulture and Enology

DATE: October 30, 2019

The attached proposal to create a Bachelor of Science in Viticulture and Enology has been received from the Office of the Provost and it has been reviewed and approved by

- Andre-Denis Wright, Dean, College of Agricultural, Human, and Natural Resource Sciences

This proposal is a full Faculty Senate review and will/has been submitted to the appropriate Faculty Senate sub-committees. To continue this process, the following individuals must approve this proposed extension

Name	Title	e-Signature
Kate McAteer	Tri-Cities VCAA	DocuSigned by: Kate McAteer 265883795CF8B5...
Renny Christopher	Vancouver VCAA	DocuSigned by: Renny Christopher 265883795CF8B5...
Mark Beattie	Everett VCAA	DocuSigned by: Mark Beattie 25EA9BE8319A49E...

In addition, the faculty campus organization must acknowledge receipt of this proposal and confirm that any relevant concerns have been communicated to their respective Vice Chancellors listed above

Name	Title	e-Signature
Robin Mays	Tri-Cities RFO	DocuSigned by: Robin Mays 38856D2E9AAE40A...
Nicole Campbell	Vancouver CFR	DocuSigned by: Nicole Campbell 21D173172C0947B...

Once e-signatures have been obtained, this proposal will go to the appropriate Faculty Senate Committees. If all Senate Committee approve, the proposal will advance to the Faculty Senate Agenda as a Discussion Item, and if approved will then move onto an Action Item.



Office of
Provost and Executive Vice President

MEMORANDUM

TO: Faculty Senate

FROM: Bryan Slinker, Interim Provost and Executive Vice President

SUBJECT: Create a Bachelors of Science, in Viticulture and Enology

DATE: October 4, 2019

A handwritten signature in black ink, appearing to read "B. Slinker".

The attached proposal to create a Bachelors of Science degree in Viticulture and Enology has been reviewed by the Provost's Office. We have no concerns about the proposal. The degree has potential for significant growth, especially at the Tri-Cities campus. We judge it ready for the Senate review process.

NOTICE of INTENT (NOI)**NEW DEGREE or EXTENDING DEGREE to NEW LOCATIONS and/or to the Global Campus**

Send this completed NOI in Word format electronically to the Office of the Provost (provost.deg.changes@wsu.edu).

Prior to your completing a full degree proposal, this form is circulated to other institutions in the state via the Interinstitutional Committee on Academic Program Planning (ICAPP) for a 30-day review. You may be contacted by other institutions regarding your plans.

Degree Title:	Bachelor of Science Degree in Viticulture and Enology
Academic Program:	BS in Integrated Plant Sciences
Academic Plan:	Viticulture and Enology
Number of Credits:	120
Department(s) or Program(s):	Integrated Plant Sciences
College(s):	CAHNRS
Campus(es):	Pullman and Tri Cities
Method of Instructional Delivery	Traditional courses taught from both campuses

Contact Name:	Richard Zack	Email	zack@wsu.edu
Contact Phone:	5-7247	Proposed start date:	Fall 2020

Program Description and Rationale: Describe the proposed program, including focus, overview of the curriculum, and a brief rationale for offering the program at this time and/or place.

Viticulture and Enology (V&E) is currently offered as a major under the BS in Integrated Plant Sciences (IPS) degree. This proposal is to offer an independent (no longer in the IPS umbrella) BS degree in Viticulture and Enology; we want to elevate the offering in V&E from a major to a full BS degree.

Washington State ranks second to California in almost all aspects of viticulture (the cultivation and harvesting of grapes) and enology (the science that deals with wine and winemaking). The idea for the change from a Viticulture and Enology (V&E) major under the BS in Integrated Plant Sciences to its own BS degree has several originations including students, faculty, college administration, and the industry stakeholder community. Currently, there are just under 1,000 wineries in Washington State (approx. 8,000 in the United States) and it is estimated that four new wineries open monthly in the state. Industry representatives on our V&E Advisory Board believe that students with a degree in V&E as opposed to a major in V&E under the Integrated Plant Sciences degree will be more competitive with students obtaining V&E degrees from our competing schools. This may appear to be a trivial difference, but the industry, students, and many at the university view it as a preliminary step to increasing the visibility and value of the degree and a foundation step in the creation of a Department of Viticulture and Enology, which is currently being examined by a college committee lead by the Dean of the College of Agricultural, Human, and Natural Resource Sciences.

When majors and degree programs were reconfigured by the college a number of years ago, it was decided to create two, college wide, agricultural degree programs under which a number of majors would be offered. Since that time, there has been significant growth in the V&E program so much that we believe that V&E should be a stand-alone BS offering. We are making this proposal to

address significant student, faculty, and stakeholder input, all of whom believe that elevating the major to a degree will allow for more independent assessment of the program, the development of more specific course offerings that do not need to serve a broader student and programmatic need, and greater recognition of the V&E program and graduates in the industry. The elevation of the offering to degree status will allow our students to better compete with those students coming from universities offering the independent V&E degree. The concern that a “major” is not viewed as competitive with universities offering the BS in V&E has been voiced by our students and stakeholders. Additionally, we are beginning the process of creating a Department of Viticulture and Enology and the elevation of the major to degree status is a concurrent step in that process. The major is currently offered on the Pullman and Tri-Cities campuses, but we are also preparing paperwork to discontinue the offering in Pullman. We have the strong support of students, faculty, and administrations at both campuses for this change.

Specific reasons for the change in status are discussed in the Demand Analysis accompanying this NOI.

Documentation of need for program, with emphasis on student demand. Describe how the program and/or location will support the state’s goals for higher education. Identify similar programs offered by other public or independent institutions in the region, and differentiate it from similar programs. Identify any options for collaboration.

The State’s goals may be found at: <http://www.wsac.wa.gov/> “policy”

Currently (as of 25 June 2019), there are 57 declared students majoring in Viticulture and Enology, 27 in Pullman and 30 in Tri Cities. Another 40 students are currently being advised but have not yet declared. The total number of students in the “program” on the two campuses is approximately 100, allowing for about 25 bachelor level graduates annually. Since 2014, declared majors in V&E, on the two campuses, has remained fairly constant with the number slowly decreasing in Pullman and growing in Tri Cities. From Fall 2014 – Fall 2018: 2014, 63; Fall 2015, 63; Fall 2016, 66; Fall 2017, 70; and Fall 2018, 67.

Approximately 35 universities and colleges offer some form of V&E training from undergraduate and graduate degrees to certificates. In a recent ranking (Universities.com; viewed on 23 June 2019), Washington State University is ranked fifth with Cornell first followed by UC-Davis, Cal Poly San Luis Obispo, and Michigan State – Walla Walla Community College is ranked tenth. Other ranked schools in the Pacific Northwest are: Yakima Valley CC, Wenatchee Valley College, Lake Washington Institute of Technology, Treasure Valley CC (OR), and Umpqua CC (OR). Oregon State has a program offered under Horticulture, but it was not listed. While some schools offer independent programs in viticulture or enology, or both, most combine the two. Schools that specialize more in enology are often associated with business or hospitality. A second partitioning of schools concerns the amount of technical training as opposed to a more science-based curriculum. Students have numerous options depending on their eventual goals as they work into the industry.

Washington State University offers a science-based curriculum, which includes strong training in both viticulture and enology, relying on strong programs in the agricultural sciences and food science. Additionally, our students have the opportunity to explore options in the School of Hospitality Business Management and, many of their students will minor in V&E. We believe that we offer excellent programs for students that are specific to the major or want some ancillary training. We also have very close relationships with other Washington community colleges and colleges that offer training in V&E. These schools offer excellent technical training and their students are very employable at specific levels. Most of their students are interested in a two-year degree or are place-bound, thus we are not competing with them for students or the types of positions that will be available to them at a specific level of training. In addition, due to our close working relationships with the community colleges, when a student is interested in continuing at a four-year institution,

WSU is their preferred choice.

The Wine Science Center, which opened on the Tri Cities campus in 2015, is a state of the art research and teaching facility. This new facility, the creation of an independent BS degree in Viticulture and Enology and the continued growth of the industry in Washington State puts us in a perfect situation to recruit quality students. Because of our very close, mutualistic relationships with our industry partners, we can offer students an outstanding education and readily available job opportunities. Our stakeholders also offer excellent internship opportunities and part-time employment. We are unique in the region and already highly ranked among schools offering V&E studies. We have good relationships with other schools in our region and work closely with them to recruit students to all of our programs.

Format and Articulation: Note when and where the program will be offered (day/evening/weekend/campus/online, etc.) and, for undergraduate programs, the plan for articulation with associate degree programs, including any applicable major-ready pathways. (Assistance can be provided by the Transfer Clearinghouse, transfercredit.wsu.edu).

The V&E major is currently offered on the Pullman and Tri-Cities campuses. We hope to eventually transition the last two years of the program only to the Tri-Cities campus to allow students to take advantage of industry partnerships including internships, student, and post-student employment. A proposal to discontinue the major in Pullman is being concurrently submitted as is a NOI for the establishment of a Department of Viticulture and Enology to be situated at the Tri-Cities campus.

The program is offered in an on-campus format with synchronous, classroom-based courses being offered from the Pullman and Tri-Cities campuses as well as College of Agricultural, Human, and Natural Resource Sciences Research and Extension Centers located in Prosser, Wenatchee and Mt. Vernon.

The V&E program has strong partnership arrangements with two-year colleges that offer similar programs and has developed articulation agreements with each of them. As the V&E program continues to develop, we will work closely with these partners to ensure that the needs of all students and the industry will be met. For instance, representatives from each of the two-year colleges offering versions of a V&E degree are represented on the University Viticulture & Enology Advisory Board.

Students: Describe the student population to be served, and project enrollments for five years (see Demand Analysis Workbook)

We have two primary types of students entering our program. One includes students from families that are already involved in some aspect of the business such that their families own or are employed at vineyards, wineries, or are involved in an ancillary business such as tree fruits or farming in general. Many of these students are going to go back to the industry. Our other students are those that have no specific family involvement in agriculture but hope to start their own business or join an established business. These include students from urban and rural backgrounds, those interested more in the business aspects of V&E, or those looking for what they view as rewarding careers in an expanding industry with advancement potential. Career positions for students in either group include: 1. Vineyard owners, managers, and viticulturists, 2. Winemakers, enologists, and cellar masters, 3. Winery managers or owners, 4. Tasting room managers, 5. Wine or supply sales representatives, 6. Research technicians and wine scientists, and 7. Hospitality industries. Our V&E graduates currently serve in all of these capacities.

FTE in current degree locations – Use OBIEE data:

Currently (as of 25 June 2019), there are 57 declared students majoring in Viticulture and Enology, 27 in Pullman and 30 in Tri Cities. Another 40 students are currently being advised but have not yet

declared. The total number of students in the “program” on the two campuses is approximately 100, allowing for about 25 bachelor level graduates annually. Since 2014, declared majors in V&E, on the two campuses, has remained fairly constant with the number slowly decreasing in Pullman and growing in Tri Cities. From Fall 2014 – Fall 2018: 2014, 63; Fall 2015, 63; Fall 2016, 66; Fall 2017, 70; and Fall 2018, 67.

Resource Implications:

Proposed College/Dept. Funding (new or reallocated):

No new funding will be needed to transition the Viticulture and Enology major (under the Integrated Plant Sciences degree) to a stand alone BS degree.

Other Funding (please specify):

See below

For graduate and fee-based programs, what level of tuition is to be charged?

NA

Other significant resource implications:

Future plans call for the creation of a Department of Viticulture & Enology and a NOI is currently being formulated. Resources for this change will be discussed in that NOI.

- **Attach college or campus plans for degree changes in AY 17-19**
- **Demand Analysis – Complete Workbook #1 and attach Demand Analysis Form**

SIGNATURES: The names typed below certify that the relevant academic and campus officials have reviewed and approved this proposal:

Chair Signature:	Thomas Henick-Kling	Date:	26 August 2019
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Dean Signature:	André Wright	Date:	26 August 2019
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VP Global Campus		Date:	
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→ Submit to the Provost’s Office at provost.deg.changes@wsu.edu

Everett Chancellor		Date:	
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Spokane Chancellor		Date:	
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Tri-Cities VCAA		Date:	
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Vancouver VCAA		Date:	
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Provost Office:		Date:	
Comments:			

Send completed form in Word format with attachments to: provost.deg.changes@wsu.edu

- Attach Demand Analysis Form
- Attach College/Campus degree planning

DEMAND ANALYSIS TO ACCOMPANY NOTICE OF INTENT FOR NEW OR EXTENDED DEGREES

The information from this form will be used:

- In summary form in the Notice of Intent
- In the Financial Analysis spreadsheet
- In the New Degree Proposal form
- In the submission for accreditation to the Northwest Commission on Colleges and Universities after approval by the Board of Regents

Using the information you developed in the Demand Analysis Workbook, please complete the form below and submit with your Notice of Intent. You do not need to submit the Workbook itself.

Proposed Degree	BS in Viticulture and Enology	Location:	Tri-Cities and Pullman Campuses
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1. Employer Demand

If you are extending a degree, or have a related existing degree, briefly summarize the employment outcomes for your graduates.

What is the state and regional employment demand for this degree?

Is long-term employer demand expected to grow, remain stable, or decline?

What is your evidence?

Answer here:

Washington State ranks second to California in almost all aspects of viticulture (the cultivation and harvesting of grapes) and enology (the science that deals with wine and winemaking). The idea for the change from a Viticulture and Enology (V&E) major under the BS in Integrated Plant Sciences to its own BS degree has several originations including students, faculty, college administration, and the industry stakeholder community. Currently, there are just under 1,000 wineries in Washington State (approx. 8,000 in the United States) and it is estimated that four new wineries open monthly in the state. Industry representatives on our V&E Advisory Board believe that students with a degree in V&E as opposed to a major in V&E under the Integrated Plant Sciences degree will be more competitive with students obtaining V&E degrees from our competing schools. This may appear to be a trivial difference, but the industry, students, and many at the university view it as a preliminary step to increasing the visibility and value of the degree and a foundation step in the creation of a Department of Viticulture and Enology, which is currently being examined by a college committee lead by the Dean.

We have two primary types of students entering our program. One includes students from families that are already involved in some aspect of the business such that their families own or are employed at vineyards, wineries, or are involved in an ancillary business such as tree fruits or farming in general. Many of these students are going to go back to the industry. Our other students are those that have no specific family involvement in agriculture but hope to start their own business or join an established business. These include students from urban and rural backgrounds, those interested more in the business aspects of V&E, or those looking for what they view as rewarding careers in an expanding industry with advancement potential. Career positions for students in either group include: 1. Vineyard owners, managers, and viticulturists, 2. Winemakers, enologists, and cellar masters, 3. Winery managers or owners, 4. Tasting room managers, 5. Wine or supply sales representatives, 6. Research technicians and wine scientists, and 7. Hospitality industries. Our V&E graduates currently serve in all of these capacities. A recent review of winejobs.com (viewed on 24 June 2019) listed 1,211 available positions, in the United States, in some aspect of V&E. Wine Business Monthly lists the

average salary for a winemaker at \$103,000 and for a vineyard manager at \$90,000 – these would be sought after positions and not generally available to a recent graduate.

Craftbeveragejobs.com (viewed 22 June 2019) discusses positions and the need for qualified individuals in: 1. Viticulture and enology, 2. Sales and Marketing, 3. Hospitality and Education (direct to consumer positions), and 4. General Administration and operations. They foresee continued growth in the industry and a need for more and more qualified employees at all levels.

In 2013, the Washington Wine Education Consortium contracted with Agri-Business Consultants, Prosser, WA, to conduct an employment needs assessment with projections to 2018. This is that last needs assessment conducted – another is being contemplated at this time. In that report, it was estimated that during the period of 2013-2018, more than 42 annual new positions for bachelor level trained individuals and more than 52 annual new positions for associate level trained individuals would occur in Washington vineyards and wineries. During the same period, the number of new wineries increased from approximately 739 to 990 (ca. 50 per year). In conversations with the Executive Director of the Washington Winegrowers, she estimates that the industry sees growth slowing to about half of what it was during that period to ca. 25 wineries per year. If we use that estimation for growth during the next five-year period, we would find a need for approximately 21 new annual positions for bachelor level training. This approximates the number of students that the WSU program will be producing. However, we are seeing a more rapid growth in V&E in other sections of the country (besides WA and CA) and believe that we will be placing more graduates into other geographic areas. And, members of the V&E Advisory Board believe that growth in other areas related to V&E, e.g., other fermented beverages such as ciders, will add to the demand.

The WSU V&E Advisory Board is very supportive and insistent upon our efforts to produce more and highly qualified graduates to fill the growing number of positions that will be available in the industry both in Washington and throughout the nation. This growth is a primary reason why the industry, college, and university are supporting the change in degree status, the movement of students to the Tri Cities campus where student/stakeholder interactions are readily available, and eventual creation of a Department of Viticulture and Enology.

2. Competitors

Who are your competitors? What is their competitive advantage? Are competitor-institutions planning to introduce similar programs/expand existing ones? Why is your department/school able to provide the proposed new degree better than other WSU departments/schools or other universities?

Answer here:

Approximately 35 universities and colleges offer some form of training in V&E from undergraduate and graduate degrees to certificates. In a recent ranking (Universities.com; viewed on 23 June 2019), Washington State University is ranked fifth with Cornell first followed by UC-Davis, Cal Poly San Luis Obispo, and Michigan State – Walla Walla Community College is ranked tenth. Other ranked schools in the Pacific Northwest are: Yakima Valley CC, Wenatchee Valley College, Lake Washington Institute of Technology, Treasure Valley CC (OR), and Umpqua CC (OR). Oregon State has a program offered under Horticulture, but it was not listed. While some schools offer independent viticulture and enology training, most combine the two. Schools that specialize more in enology are often associated with business or hospitality. A second partitioning of schools concerns the amount of technical training as opposed to a more science-based curriculum. Students have numerous options depending on their eventual goals as they work into the industry.

Washington State University offers a science-based curriculum, which includes strong training in both viticulture and enology, relying on strong programs in the agricultural sciences and food science. Additionally, our students have the opportunity to explore options in the School of Hospitality Business Management and, many of their students will minor in Viticulture and Enology. We believe that we offer excellent programs for students that are specific to the major or want some ancillary training. We also have very close relationships with other Washington community colleges and colleges that offer training in V&E. These schools offer excellent technical training and their students are very employable at specific levels. Most of their students are interested in a two-year degree or are place-bound, thus we are not competing with them for students or the types of positions that will be available to them at a specific level of training. And, because of our close working relationships, when a student is interested in continuing at a four-year institution, WSU is their preferred choice.

The Wine Science Center, which opened on the Tri Cities campus in 2015, is a state of the art research and teaching facility. This new facility, the creation of an independent BS degree in Viticulture and Enology and the continued growth of the industry in Washington State puts us in a perfect situation to recruit quality students. Because of our very close, mutualistic relationships with our industry partners, we can offer students an outstanding education and readily available job opportunities. Our stakeholders also offer excellent internship opportunities and part-time employment. We are unique in the region and already highly ranked among schools offering V&E studies. We have good relationships with other schools in our region and work closely with them to recruit students to all of our programs. With the growing and expanding nature of the industry and the excellence of our program, we need to develop a strong recruiting strategy that extends beyond the region. We are currently doing this.

3. Student Demand

Describe the target market in light of regional population trends, especially in the target age group.

What is the current number of students in existing programs in the proposed market area in this field? What is the potential number of students forecasted?

What are the key characteristics of the market segment you seek? How will your degree serve their needs?

Answer here:

Currently (as of 25 June 2019), there are 57 declared students majoring in Viticulture and Enology, 27 in Pullman and 30 in Tri Cities. Another 40 students are currently being advised but have not yet declared. The total number of students in the “program” on the two campuses is approximately 100, allowing for about 25 bachelor level graduates annually. Since 2014, declared majors in V&E, on the two campuses, has remained fairly constant with the number slowly decreasing in Pullman and growing in Tri Cities. From Fall 2014 – Fall 2018: 2014, 63; Fall 2015, 63; Fall 2016, 66; Fall 2017, 70; and Fall 2018, 67.

The trend to more declared students in Tri Cities appears to be the result to several factors. Almost 50% of College agriculturally-based major students have some transfer credits. Many of these students have attended a community college or primarily two-year degree offering college. Most of these students have decided on a major and want as much exposure to the industry and stakeholders as possible (this is especially critical to those seeking employment in some aspect of V&E). With the opening of the Wine Science Center in Tri Cities, its central location to the industry, and the realization that opportunities, especially meaningful internships and experiential learning are readily available, students have been slowly migrating to Tri Cities. This is especially true of transfer students that attended one of the colleges closer to Tri Cities, have been working in the industry, or are from the general area and want to remain in a more agricultural setting. Additionally, students that start their studies in Pullman are being exposed to the opportunities in the Tri Cities through course work, visits to vineyards and wineries, and discussions with industry partners; they are choosing to transfer to the Tri Cities campus to complete their studies. Our industry partners are adamant that the primary way to obtain employment in V&E is to have significant out of the classroom experience and to develop relationships with industry as early and as often as possible.

By offering the degree only in Tri Cities, we believe that we are steering the students in a direction that will allow for much greater opportunities at a career in V&E. It will allow us to concentrate our educational efforts on one campus where we can develop lecture and lab courses, take advantage of the V&E faculty at Tri Cities and the Prosser Research and Extension Center, and solidify partnership relationships with the industry that will benefit the students. The change also coincides with our current efforts to create a new Department of Viticulture and Enology, which will be administered from the Tri Cities campus.

There have been no significant recruitment efforts into the V&E program. With the move of the degree offering to Tri Cities, we will begin significant “advertising” of the degree and strong recruitment into it. A recruitment plan is currently being developed through a partnership with the CAHNRS, Tri Cities campus, and industry representation.

Expected FTE					
Year 1	60	Year 2	65	Year 3	70

How did you arrive at these numbers? How do they compare with your current enrollments in an existing degree or option, or related degree?

Answer here:

These FTE numbers are based in current enrollment in the existing Viticulture and Enology major under the Integrated Plant Systems BS degree. This proposal is to elevate a current V&E major to a full BS degree. We believe that student numbers will maintain themselves for the near future but will begin to grow significantly as we strongly recruit into the program.

4. Recruitment Plan

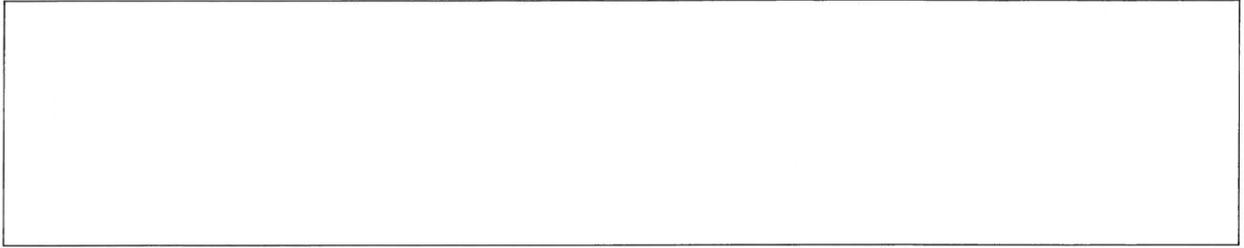
How and where are students going to find out about this program? Who will represent this department in its promotion activities? What specific venues can you use to promote an awareness of this new program? What means will be used to access and educate businesses, industry, agencies, and/or institutions about this offering?

Answer here:

The Viticulture and Enology (V&E) major is currently offered under the BS in Integrated Plant Sciences. This proposal is to elevate the major to an independent BS in Viticulture and Enology. Based on industry feedback (through our Viticulture and Enology Advisory Board) and student feedback, we believe that an independent degree will help us to recruit to the program. We compete for students with a small, but very strong group of schools that have long traditions in V&E. This includes Cornell University, UC-Davis, Cal Poly San Luis Obispo, and California State University at Fresno. These universities offer stand-alone degrees from Departments of Viticulture and Enology. Our goal is to build one of the strongest and highly ranked, if not the strongest, V&E programs in the United States. Our stakeholders contributed funds to build a state of the art Wine Science Center at the Tri Cities campus and we have hired a core of V&E faculty to join faculty in other units that support the V&E program. CAHNRS has created a committee that is exploring the creation of a Department of Viticulture and Enology at WSU. Our college and university administrations as well as our advisory board are dedicated to building the best V&E program in the country with a high world ranking. The establishment of a BS in Viticulture and Enology is a part of the program development.

We currently recruit into V&E as a part of our BS in Integrated Plant Sciences. V&E is one of our most populous majors with approximately 60 certified students and a little over 100 with declared interests. With the change to allow students to declare a major at admission, the number will increase. Currently, the major is offered in both Pullman and Tri Cities. We are also examining the discontinuation of the offering in Pullman in order to allow all students to take advantage and benefit from the excellent resources, including the Wine Science Center, located at Tri Cities. CAHNRS currently recruits to both campuses with specific literature and web presence. We also have strong relationships with our community college partners, two of which (those with V&E programs) are supported by articulation agreements. We are currently working with other colleges and community colleges to develop further articulation agreements. We are also developing co-branded efforts at recruitment.

As we move forward with the creation of a BS in Viticulture and Enology and the development of a Department of Viticulture and Enology, we will implement a national advertising (recruitment campaign) through social media, web presence, and stories and advertisements in appropriate magazines, commodity, and professional venues. These efforts will be supported by CAHNRS, Tri Cities, and our industry partners. The success of the V&E program is of the highest priority to the College and our stakeholders. They have and continue to invest heavily into the program, especially in the form of scholarships, internships, and research dollars.



NEW PROGRAMS OR EXTENDING A DEGREE: ANALYZING LIBRARY CAPACITY

Complete this workbook to assess the adequacy of library holdings and services prior to filling in the New Program Proposal Template itself. You will transfer a summary of the key findings of the workbook to the new program/extending a degree proposal form.

The Faculty Senate Library Committee reviews all proposals for new degree and extended degree programs for adequacy of library holdings and services. To assist the committee in its deliberations, please address the topics below in your proposal in collaboration with the librarian(s) responsible for collection development in your discipline(s). The names of appropriate librarians are available from the Director of Libraries at 335-4558 or from your dean's office.

1. In specific terms, describe the adequacy of existing capacity:

Questions to ask:

- How adequate are the existing library collections for the proposed program?
- How adequate is the existing library equipment for the proposed program?
- How adequate are the existing personnel and services for the proposed program?
- How will this program contribute to the funding of existing serials, given their ever increasing costs?

Answer here:

This proposal is to elevate Viticulture and Enology from a major under the Integrated Plant Sciences BS degree program to a degree of its own (BS in Viticulture and Enology). Current library holdings based in Pullman and at the Tri-Cities campus, where the program is offered, are adequate to support the program and will support the change in degree status.

In a general review of the total Viticulture and Enology program, including research, teaching, and extension, the Viticulture and Enology Curriculum Committee is evaluating all library holdings as we work to expand the program in general, especially in terms of undergraduate opportunities and graduate education. One of our goals is to work with industry partners to develop fund raising objectives around library and technology holdings.

2. What is the need for new library collections:

Areas to consider:

1. Serials (e.g., journals or indexes in print, electronic format, microform, etc.):
 - a. List new serials titles (and costs) that will be needed.
 - b. What funds have been designated for these titles and for the ongoing serials subscriptions?
 - c. Can any of your current serials subscriptions be cancelled to purchase the new titles?
 - d. What additional library equipment will be needed and how will it be funded (e.g., computers, desks/tables, etc.)?

2. Monographs (e.g., books in print, electronic format, etc.):
 - a. Will monographs need to be purchased?
 - b. Have continuing funds been designated for these and future purchases?
 - c. What additional library equipment will be needed and how will it be funded?

3. Media (e.g., DVDs, sound recordings, etc.):
 - a. Are media materials needed?
 - b. Have funds been designated?
 - c. What additional multimedia equipment will be needed and how will it be funded?

Answer here:

No new library collections are needed to support this change in status for the program in Viticulture and Enology.

In a general review of the total Viticulture and Enology program, including research, teaching, and extension, the Viticulture and Enology Curriculum Committee is evaluating all library holdings as we work to expand the program in general, especially in terms of undergraduate opportunities and graduate education. One of our goals is to work with industry partners to develop fund raising objectives around library and technology holdings.

3. What new library personnel will be needed?

Questions to ask:

- Will specialized expertise be required to serve your new program?
- Will additional library staff or faculty need to be hired?
- If so, how will the position(s) be funded?

Answer here:

No new library personnel will be needed to support this change in status for the program in Viticulture and Enology.

4. What additional library services will be needed?

Questions to ask:

- To what extent will additional interlibrary loan services be required?
- On-line network access?
- References services?
- Library user education?
- If so, have funds been designated for this purpose?

Answer here:

No new library services will be needed to support this change in status for the program in Viticulture and Enology.

In a general review of the total Viticulture and Enology program, including research, teaching, and extension, the Viticulture and Enology Curriculum Committee is evaluating all library holdings as we work to expand the program in general, especially in terms of undergraduate opportunities and graduate education. One of our goals is to work with industry partners to develop fund raising objectives around library and technology holdings.

5. **For programs offered away from the Pullman campus: To what extent will collections and services be provided from Pullman and to what extent by other campus or local libraries?**

Answer here:
The major is currently offered both at Pullman and Tri-Cities. Library facilities are adequate to serve the undergraduate student populations at both campuses.

6. **Are there any other library resource considerations (e.g., additional space)?**

Answer here:
No, not at this time.

Please summarize this information on the new Program Proposal Template.

PROPOSAL TO DISCONTINUE A DEGREE PROGRAM

DEANS: Send this completed proposal electronically in Word to the Office of the Provost:
provost.deg.changes@wsu.edu

Degree Title:	BS Integrated Plant Sciences – Viticulture and Enology
Academic Program:	BS Integrated Plant Sciences
Academic Plan:	Viticulture and Enology
Number of Credits:	120
Department(s) or Program(s):	CAHNRS multidisciplinary degree – Viticulture and Enology
College(s):	CAHNRS
Campus(es):	Pullman and WSU Tri-Cities

Contact Name:	Richard Zack	Email Address:	zack@wsu.edu
Contact Phone:	5-7247	*Proposed start date:	Summer 2020

<p>Rationale for discontinuing the degree:</p> <p>Currently, students can major in Viticulture and Enology on the Pullman and Tri-Cities campuses. This proposal is to discontinue offering the major on the Pullman campus. The discontinuation of the Viticulture and Enology (V&E) major (under the BS in Integrated Plant Sciences) on the Pullman campus is a result of significant discussion by the faculty, CAHNRS administration, university administration, and the University Viticulture and Enology Advisory Board, which was established by industry representatives and university and CAHNRS administration in 2017. The Board represents interests from all levels of the industry, the college and university, the Tri-Cities campus, and partners, such as the community colleges, which feed significant numbers of students into the major.</p> <p>The center for viticulture and enology is primarily in the central region of Washington State. The vast majority of grape production (vineyards) is located between the Columbia Valley in the north (Wenatchee and just north) to the Columbia Gorge and Walla Walla in the south-east, and Yakima Valley to the west. Currently, there are just under 1,000 wineries in Washington and, while they are much more widespread in distribution than the vineyards, most are located near or within the primary grape production area. It is estimated that four new wineries open monthly in the state.</p> <p>In 2015, the Ste. Michelle Wine Estates/WSU Wine Science Center, one of the most technologically advanced wine research and education centers in the world, opened on the WSU Tri-Cities campus. This Center was designed to be the “hub” for viticulture and enology research, outreach, and instruction in Washington State. The Center houses the V&E Program administration as well as most of the faculty and researchers that are specific to the V&E Program. Additionally, the Center is located within 30 minutes of the CAHNRS Research and Extension Center in Prosser WA. A number of faculty from the REC Prosser teach V&E courses and the majority of the viticulture and plant protection research is conducted at that facility and Tri-Cities.</p> <p>Currently (as of 25 June 2019), there are 57 declared students majoring in Viticulture and Enology, 27 in Pullman and 30 in Tri-Cities. Another 40 students are currently being advised, but have not yet declared. The total number of students in the “program” on the two campuses is approximately 100, allowing for about 25 bachelor level graduates annually. Since 2014, declared majors in V&E, on the two campuses, has remained fairly constant with the number slowly decreasing in Pullman and growing in Tri-Cities. From Fall 2014 – Fall 2018: 2014, 63; Fall 2015, 63; Fall 2016, 66; Fall 2017, 70; and Fall 2018 67.</p>
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The trend to more declared students at WSU Tri-Cities appears to be the result to several factors. Almost 50% of College's agriculturally-based major students have some transfer credits. Many of these students have attended a community college or primarily two-year degree offering college. Most of these students have decided on a major and want as much exposure to the industry and stakeholders as possible (this is especially critical to those seeking employment in some aspect of the wine industry). With the opening of the Wine Science Center at WSU Tri-Cities, its central location to the industry, and the realization that opportunities, especially meaningful internships and experiential learning are readily available, students have been slowly migrating to Tri-Cities. This is especially true of transfer students that attended one of the colleges closer to Tri-Cities, students that have been working in the industry, or students who are from the area and want to remain in an agricultural setting. Additionally, students that start their studies in Pullman are being exposed to the opportunities in the Tri-Cities through course work, visits to vineyards and wineries, and discussions with industry partners. Thus, they are choosing to transfer to the WSU Tri-Cities campus to complete their studies. Our industry partners are adamant that the primary way to obtain employment in the wine industry is to have significant out of the classroom experience and to develop relationships with industry as early and as often as possible.

By offering the degree only at WSU Tri-Cities, we believe that we are steering the students in a direction that will allow for much greater opportunities at a career in V&E. It will allow us to concentrate our educational efforts on one campus where we can develop lecture and lab courses, take advantage of the V&E faculty at WSU Tri-Cities and the Prosser Research and Extension Center, and solidify partnership relationships with the industry that will benefit the students. The change also coincides with our current efforts to create a new Department of Viticulture and Enology, which will be administered from the WSU Tri-Cities campus.

V&E are very hands-on fields. The most successful students are those that become involved with industry from early in their university enrollment. This includes undergraduate research opportunities, internships, summer and part-time employment at vineyards and wineries, the ability to attend professional and hands-on workshops and meetings, and the ability to develop relationships with those currently working in the field. All of these opportunities are readily available at the WSU Tri-Cities campus, but virtually non-existent in Pullman. This is the primary reason that we want to discontinue the major in Pullman and offer it only at WSU Tri-Cities. It is the consensus of program, college, and university personnel as well as industry partners that students would be much better served by completing the major at WSU Tri-Cities. Students will still be able to begin their WSU studies at either campus, where they can complete general university requirements and basics to the major, but they will only be able to declare into the major on the Tri-Cities campus. For students that want to begin and complete their degree in Pullman, options including the Fermentation Science major (in the School of Food Science) and a minor in Viticulture and Enology are available.

Implications for currently enrolled students (how many)? Attach teach out plan.

In meetings with students, two primary concerns were voiced by them. The first was assurance that any students that started the program in Pullman were able to finish it in Pullman. As explained in the student section of this proposal, any students that are declared V&E majors before the discontinuation is approved, will be able to finish the program in Pullman. The second student concern was that the major could lose prospective students if the degree were only offered at WSU Tri-Cities – we would lose students that wanted a larger campus experience. This has been a much-discussed concern among students, faculty, college administration, and our stakeholders. In the end, we believe that the opportunities available to V&E students at WSU Tri-Cities outweigh the concerns expressed. Focusing the program at WSU Tri-Cities might also attract additional students. The opportunities that will be available to students at WSU Tri-Cities will be emphasized in our recruitment efforts. Additionally, students that want the Pullman experience will be able to begin

their studies in Pullman and then transfer to WSU Tri-Cities to complete their third and fourth years (after they declare their major) or could decide to major in Fermentation Science (through Food Science) or another major under the IPS degree and complete a minor in V&E, which will still be offered in Pullman. We will closely monitor student reaction to the change.

We estimate that there will be 20-25 declared students in Pullman when the major is discontinued in Pullman. As we do not contemplate any changes in the curriculum that would affect the ability of students to complete the major on either campus, students that are enrolled in the Viticulture and Enology major on the Pullman campus at the time of discontinuation, will have the option of transferring to the Tri-Cities campus or finishing the program on the Pullman campus. We will offer this option until all “grandfathered” students have graduated or transferred to Tri-Cities. If any curricular changes do take place, in so far as a needed course is only offered on the Tri-Cities campus, we will try to arrange for AMS delivery of the course or will find a suitable replacement. Students declaring on the Tri-Cities campus would complete their program at WSU Tri-Cities with no changes.

Attach teach out plan

Impact on or responses of current faculty and staff:

The decision to discontinue the Viticulture and Enology (V&E) major (BS in Integrated Plant Sciences – IPS) on the Pullman campus has been discussed with faculty, staff, and students for a number of years and development of an implementation plan began in 2016. In 2017, the newly created V&E Advisory Board encouraged CAHFNRS to finalize and implement a plan. The ongoing concern was that all of our students were not able to take advantage of the opportunities available to students studying at WSU Tri-Cities campus (and this hurt their employment opportunities). From its inception, primary components of the V&E Program were housed at Tri-Cities, the Prosser Research and Extension Center, and Pullman. With the opening of the Wine Science Center in 2015, Tri-Cities became the focal point for V&E in Washington State with the majority of program faculty on the campus and at the Prosser REC and a growing number of students, now surpassing the number of those studying in Pullman. Additionally, a larger proportion of students, that began their studies in Pullman, were transferring to the WSU Tri-Cities campus for their third and fourth years. It became evident that students completing their studies at Tri-Cities were favored by employers because most of them had completed intensive internships with future employers, had worked in vineyards and/or wineries, and had more “practical” knowledge than those finishing in Pullman. The experience and networking positives were strongly emphasized by our industry stakeholders. Another benefit of being in the Tri-Cities was the ability for students to take advantage of the undergraduate research opportunities offered by working with the faculty at the Wine Science Center and at the Prosser REC.

College administration, primarily the Dean, has had conversations concerning the discontinuation of the degree offering with appropriate faculty, staff, and students. Most faculty concerns revolve around making sure that we are able to continue to offer a complete curriculum. A number of courses taken by V&E students are also taken by students in other IPS majors. If a course is taught primarily for V&E students by an instructor at Tri-Cities, we will ensure that that course continues to be available to students in other majors that are located in Pullman. A V&E curriculum committee has been established by the Dean to ensure that all students continue to be served with the highest quality curriculum. The College is working closely with instructors located at Prosser, Tri-Cities, and Pullman to maintain quality curricula for all IPS majors. We are also working with the Tri-Cities administration to guarantee that adequate AMS is available to deliver all needed courses to both campuses.

Impact on or responses of other degree programs, departments, colleges or campuses:

The Viticulture and Enology (V&E) major is offered under the BS in Integrated Plant Sciences (IPS). College of Agricultural, Human, and Natural Resource Sciences units involved in this multidisciplinary degree program include: Crop and Soil Sciences, Horticulture, Plant Pathology, and Entomology. There are a number of other majors under this degree, which share certain coursework, especially at, but not limited to, the introductory levels. This need for course sharing will remain when the V&E major is discontinued on the Pullman campus. However, at the most, this will only require modest modifications in courses and course delivery methods; students can begin and complete the V&E major now at the Tri-Cities campus. We have developed curricular programs where needed courses are offered at both campuses. This is being accomplished by courses with significant enrollment being offered at both campuses, usually on alternate semesters, and through AMS. Because V&E is a major under the IPS degree, when the IPS curricular committee meets, it takes into consideration the course needs of all of the majors and assures that students have availability to required or recommended courses irrespective of student campus affiliation. All units in the college that participate in the IPS degree are represented on the committee, so all concerns are taken into consideration.

Students in other colleges and majors, for example, the Carson College of Business – Hospitality Business Management, will sometimes minor in V&E. This option is currently available to students at WSU Tri-Cities where the HBM major is offered and on the Pullman campus. The minor in V&E will continue to be offered on the Pullman campus so these students will not be affected. Thus, any student located in Pullman or Tri-Cities, in any college, hoping to minor in V&E will still have the option available to them. The only students that might be affected would be, for example, a student that wanted to double major in Hospitality Business Management and V&E – they could not do this while residing on the Pullman campus.

There would be no impacts on other campuses as the programs are not offered on those campuses.

Impact on or responses of other stake holders (e.g., advisory or alumni groups):

A primary reason for this change is to increase interactions between students and stakeholder partners. Our Viticulture and Enology (V&E) stakeholders have invested significant resources, including a state of the art Wine Science Center, into the program on the Tri-Cities campus. When the university and college formed the V&E Advisory Board in 2017, one of the three subcommittees established was a Program Subcommittee. This subcommittee consisted of industry stakeholders, college personnel (including the Associate Dean for Academic Programs), representatives from partner community colleges, and V&E Program faculty. One of the recommendations from this committee was that all students majoring in V&E be encouraged (required) to spend the third and fourth years of their program at the Tri-Cities campus. This decision was made to provide students with the highest quality educational experience as possible. One of the principal reasons behind this recommendation was the ability for students to participate in quality internships. For V&E major students, highest value internships begin in spring and end in mid to late October. This allows students to participate in a complete cycle that includes early vineyard experiences and runs through crush. As virtually all of these complete internship opportunities are offered through operations in central Washington, it is virtually impossible for students that are not “local” to participate at the level that the industry prefers and is competitive with other universities offering V&E degrees. Additionally, WSU Tri-Cities has a working, research and teaching winery and a teaching vineyard on campus. These facilities are used by faculty teaching from the Tri-Cities campus but are unavailable to students based in Pullman. Although we try to arrange for “field trips” for Pullman students to the teaching vineyard and to field sites in central Washington, it is very difficult and costly.

A less defined but extremely important factor that has been pointed out by stakeholders is their want to mentor students and to help develop a highly qualified workforce. With the number of vineyards and wineries within an hour drive from the Tri-Cities campus, each student would have an opportunity to work on an individual level with someone from industry. Students would also be able

to work with V&E faculty and graduate students in the outstanding facilities of the Wine Science Center and with additional faculty located at the Irrigated Agriculture Research and Extension Center in Prosser WA, a 40 minute drive from the WSU Tri-Cities campus.

In summary, giving students opportunities to take advantage of all of the exceptional resources offered at WSU Tri-Cities campus and within a short drive of the campus is one of the highest priorities for our stakeholders. They believe that this is necessary if we are to produce students competitive with those being educated at other universities. The goal of our stakeholders is to develop a world class V&E program and they are highly invested in that aspiration.

SIGNATURES: The names typed below certify that the relevant academic and campus officials have reviewed and approved this proposal:

Chair Signature:	Richard Zack Thomas Henick-Kling	Date:	26 August 2019
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Dean Signature:	André-Denis Wright	Date:	26 August 2019
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→ Submit to the Provost’s Office at provost.deg.changes@wsu.edu

Everett Chancellor		Date:	
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Spokane Chancellor		Date:	
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Tri-Cities VCAA		Date:	
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Vancouver VCAA		Date:	
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VP Global Campus		Date:	
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Provost Office:		Date:	
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Comments:

For Registrar’s Office Use Only:				
Current CIP Code:		New CIP Code:		Date:

Send completed form in Word version to: provost.deg.changes@wsu.edu

From: noreply@wsu.edu
To: [curriculum.submit](#)
Subject: 174c 528253 [Discontinue V&E] Integrated Plant Sciences Requirements Revise - Revise or Drop Undergraduate/Professional Plan (major)
Date: Thursday, September 19, 2019 9:37:51 AM
Attachments: [2019.09.19.09.37.47.02.FormData.html](#)
[2019.09.19.09.37.45.99.currentCatalogFile_VandE_Catalog.docx](#)
[2019.09.19.09.37.45.99.currentCatalogFile1_Discontinue_VE_Pullman_final_26_Aug_2019.docx](#)

Richard Zack has submitted a request for a major curricular change. His/her email address is: zack@wsu.edu.

Requested change: Revise or Drop Undergraduate/Professional Plan (major)

Degree: BS Integrated Plant Sciences

Title: Major in Viticulture and Enology drop from Pullman offering

Requested Effective Date: Fall 2020

Drop: Yes

Dean: Zack, Rich - Interim Assoc Dean - CAHNRS,

Chair: Koenig, Rich,

Catalog Subcommittee
Approval Date

AAC, PHSC, or GSC
Approval Date

Faculty Senate
Approval Date

From: [Zack, Richard Stanly, Jr](#)
To: [curriculum.submit](#); [Koenig, Richard T](#)
Subject: Re: 174c 528253 Integrated Plant Sciences Requirements Revise - Revise or Drop Undergraduate/Professional Plan (major)
Date: Thursday, September 19, 2019 9:49:31 AM

Approved

Rich Zack

From: "curriculum.submit@wsu.edu" <curriculum.submit@wsu.edu>
Date: Thursday, September 19, 2019 at 9:39 AM
To: "Koenig, Richard T" <richk@wsu.edu>, Richard Zack <zack@wsu.edu>
Subject: 528253 Integrated Plant Sciences Requirements Revise - Revise or Drop Undergraduate/Professional Plan (major)

Koenig, Rich,

Zack, Rich - Interim Assoc Dean - CAHNRS,

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Both Chair and Dean approval is required to complete the submission process. Please indicate that you have reviewed the proposal by highlighting one of the statements below and **reply all** to this email. (curriculum.submit@wsu.edu.) [Details of major change requested can be found in the attached supplemental documentation]

1. I approve this proposal in its current form.
2. I approve this proposal with revisions. Revisions are attached.
3. I do not approve this proposal. Please return to submitter.

If you do not respond within one week, you will be sent a reminder email. If no response is received within three weeks of the submission date, the proposal will be

returned to the submitter.

Thank you for your assistance as we embark on this new process. If you have any questions or concerns, please let us know wsu.curriculum@wsu.edu.

Blaine Golden, Assistant Registrar

Graduations, Curriculum, and Athletic Compliance

Washington State University

Registrar's Office

PO Box 641035

Pullman WA 99164-1035

509-335-7905

bgolden@wsu.edu

Note: Please use the attachments to this email rather than the link below to view the supporting documentation.

From: [Koenig, Richard T](#)
To: [Zack, Richard Stanly, Jr](#); [curriculum.submit](#)
Subject: RE: 174c 528253 Integrated Plant Sciences Requirements Revise - Revise or Drop Undergraduate/Professional Plan (major)
Date: Thursday, September 19, 2019 9:52:46 AM

I approve this proposal in its current form.

From: Zack, Richard Stanly, Jr
Sent: Thursday, September 19, 2019 9:50 AM
To: curriculum.submit <curriculum.submit@wsu.edu>; Koenig, Richard T <richk@wsu.edu>
Subject: Re: 528253 Integrated Plant Sciences Requirements Revise - Revise or Drop Undergraduate/Professional Plan (major)

Approved

Rich Zack

From: "curriculum.submit@wsu.edu" <curriculum.submit@wsu.edu>
Date: Thursday, September 19, 2019 at 9:39 AM
To: "Koenig, Richard T" <richk@wsu.edu>, Richard Zack <zack@wsu.edu>
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Koenig, Rich,

Zack, Rich - Interim Assoc Dean - CAHNRS,

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Blaine Golden, Assistant Registrar

Graduations, Curriculum, and Athletic Compliance

Washington State University

Registrar's Office

PO Box 641035

Pullman WA 99164-1035

509-335-7905

bgolden@wsu.edu

Note: Please use the attachments to this email rather than the link below to view the supporting documentation.

The science of plant life from molecule to market is the focus of the Integrated Plant Sciences (IPS) degree program. The degree is delivered collaboratively by departments within the College of Agricultural, Human, and Natural Resource Sciences. The IPS degree provides students with an exciting depth and breadth of knowledge that encompasses a variety of plant science disciplines, including crop and soil sciences, horticulture, entomology, plant pathology, and food science. Students pursuing a Bachelor of Science degree in Integrated Plant Sciences may choose among six majors highly sought by employers in the state and nationally: Agricultural Biotechnology; Field Crop Management; Fruit and Vegetable Management; Landscape, Nursery, and Greenhouse Management; Turfgrass Management; or Viticulture and Enology (Pullman and Tri-Cities campus).

[Remove Viticulture and Enology 4-year plan from Pullman Catalog. Should remain in Tri-Cities Catalog.](#)

PROPOSAL TO DISCONTINUE A DEGREE PROGRAM

DEANS: Send this completed proposal electronically in Word to the Office of the Provost:
provost.deg.changes@wsu.edu

Degree Title:	BS Integrated Plant Sciences – Viticulture and Enology
Academic Program:	BS Integrated Plant Sciences
Academic Plan:	Viticulture and Enology
Number of Credits:	120
Department(s) or Program(s):	CAHNRS multidisciplinary degree – Viticulture and Enology
College(s):	CAHNRS
Campus(es):	Pullman and WSU Tri-Cities

Contact Name:	Richard Zack	Email Address:	zack@wsu.edu
Contact Phone:	5-7247	*Proposed start date:	Summer 2020

Rationale for discontinuing the degree:
<p>Currently, students can major in Viticulture and Enology on the Pullman and Tri-Cities campuses. This proposal is to discontinue offering the major on the Pullman campus. The discontinuation of the Viticulture and Enology (V&E) major (under the BS in Integrated Plant Sciences) on the Pullman campus is a result of significant discussion by the faculty, CAHNRS administration, university administration, and the University Viticulture and Enology Advisory Board, which was established by industry representatives and university and CAHNRS administration in 2017. The Board represents interests from all levels of the industry, the college and university, the Tri-Cities campus, and partners, such as the community colleges, which feed significant numbers of students into the major.</p> <p>The center for viticulture and enology is primarily in the central region of Washington State. The vast majority of grape production (vineyards) is located between the Columbia Valley in the north (Wenatchee and just north) to the Columbia Gorge and Walla Walla in the south-east, and Yakima Valley to the west. Currently, there are just under 1,000 wineries in Washington and, while they are much more widespread in distribution than the vineyards, most are located near or within the primary grape production area. It is estimated that four new wineries open monthly in the state.</p> <p>In 2015, the Ste. Michelle Wine Estates/WSU Wine Science Center, one of the most technologically advanced wine research and education centers in the world, opened on the WSU Tri-Cities campus. This Center was designed to be the “hub” for viticulture and enology research, outreach, and instruction in Washington State. The Center houses the V&E Program administration as well as most of the faculty and researchers that are specific to the V&E Program. Additionally, the Center is located within 30 minutes of the CAHNRS Research and Extension Center in Prosser WA. A number of faculty from the REC Prosser teach V&E courses and the majority of the viticulture and plant protection research is conducted at that facility and Tri-Cities.</p> <p>Currently (as of 25 June 2019), there are 57 declared students majoring in Viticulture and Enology, 27 in Pullman and 30 in Tri-Cities. Another 40 students are currently being advised, but have not yet declared. The total number of students in the “program” on the two campuses is approximately 100, allowing for about 25 bachelor level graduates annually. Since 2014, declared majors in V&E, on the two campuses, has remained fairly constant with the number slowly decreasing in Pullman and growing in Tri-Cities. From Fall 2014 – Fall 2018: 2014, 63; Fall 2015, 63; Fall 2016, 66; Fall 2017, 70; and Fall 2018 67.</p>

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In meetings with students, two primary concerns were voiced by them. The first was assurance that any students that started the program in Pullman were able to finish it in Pullman. As explained in the student section of this proposal, any students that are declared V&E majors before the discontinuation is approved, will be able to finish the program in Pullman. The second student concern was that the major could lose prospective students if the degree were only offered at WSU Tri-Cities – we would lose students that wanted a larger campus experience. This has been a much-discussed concern among students, faculty, college administration, and our stakeholders. In the end, we believe that the opportunities available to V&E students at WSU Tri-Cities outweigh the concerns expressed. Focusing the program at WSU Tri-Cities might also attract additional students. The opportunities that will be available to students at WSU Tri-Cities will be emphasized in our recruitment efforts. Additionally, students that want the Pullman experience will be able to begin

their studies in Pullman and then transfer to WSU Tri-Cities to complete their third and fourth years (after they declare their major) or could decide to major in Fermentation Science (through Food Science) or another major under the IPS degree and complete a minor in V&E, which will still be offered in Pullman. We will closely monitor student reaction to the change.

We estimate that there will be 20-25 declared students in Pullman when the major is discontinued in Pullman. As we do not contemplate any changes in the curriculum that would affect the ability of students to complete the major on either campus, students that are enrolled in the Viticulture and Enology major on the Pullman campus at the time of discontinuation, will have the option of transferring to the Tri-Cities campus or finishing the program on the Pullman campus. We will offer this option until all “grandfathered” students have graduated or transferred to Tri-Cities. If any curricular changes do take place, in so far as a needed course is only offered on the Tri-Cities campus, we will try to arrange for AMS delivery of the course or will find a suitable replacement. Students declaring on the Tri-Cities campus would complete their program at WSU Tri-Cities with no changes.

Attach teach out plan

Impact on or responses of current faculty and staff:

The decision to discontinue the Viticulture and Enology (V&E) major (BS in Integrated Plant Sciences – IPS) on the Pullman campus has been discussed with faculty, staff, and students for a number of years and development of an implementation plan began in 2016. In 2017, the newly created V&E Advisory Board encouraged CAHFNRS to finalize and implement a plan. The ongoing concern was that all of our students were not able to take advantage of the opportunities available to students studying at WSU Tri-Cities campus (and this hurt their employment opportunities). From its inception, primary components of the V&E Program were housed at Tri-Cities, the Prosser Research and Extension Center, and Pullman. With the opening of the Wine Science Center in 2015, Tri-Cities became the focal point for V&E in Washington State with the majority of program faculty on the campus and at the Prosser REC and a growing number of students, now surpassing the number of those studying in Pullman. Additionally, a larger proportion of students, that began their studies in Pullman, were transferring to the WSU Tri-Cities campus for their third and fourth years. It became evident that students completing their studies at Tri-Cities were favored by employers because most of them had completed intensive internships with future employers, had worked in vineyards and/or wineries, and had more “practical” knowledge than those finishing in Pullman. The experience and networking positives were strongly emphasized by our industry stakeholders. Another benefit of being in the Tri-Cities was the ability for students to take advantage of the undergraduate research opportunities offered by working with the faculty at the Wine Science Center and at the Prosser REC.

College administration, primarily the Dean, has had conversations concerning the discontinuation of the degree offering with appropriate faculty, staff, and students. Most faculty concerns revolve around making sure that we are able to continue to offer a complete curriculum. A number of courses taken by V&E students are also taken by students in other IPS majors. If a course is taught primarily for V&E students by an instructor at Tri-Cities, we will ensure that that course continues to be available to students in other majors that are located in Pullman. A V&E curriculum committee has been established by the Dean to ensure that all students continue to be served with the highest quality curriculum. The College is working closely with instructors located at Prosser, Tri-Cities, and Pullman to maintain quality curricula for all IPS majors. We are also working with the Tri-Cities administration to guarantee that adequate AMS is available to deliver all needed courses to both campuses.

Impact on or responses of other degree programs, departments, colleges or campuses:

The Viticulture and Enology (V&E) major is offered under the BS in Integrated Plant Sciences (IPS). College of Agricultural, Human, and Natural Resource Sciences units involved in this multidisciplinary degree program include: Crop and Soil Sciences, Horticulture, Plant Pathology, and Entomology. There are a number of other majors under this degree, which share certain coursework, especially at, but not limited to, the introductory levels. This need for course sharing will remain when the V&E major is discontinued on the Pullman campus. However, at the most, this will only require modest modifications in courses and course delivery methods; students can begin and complete the V&E major now at the Tri-Cities campus. We have developed curricular programs where needed courses are offered at both campuses. This is being accomplished by courses with significant enrollment being offered at both campuses, usually on alternate semesters, and through AMS. Because V&E is a major under the IPS degree, when the IPS curricular committee meets, it takes into consideration the course needs of all of the majors and assures that students have availability to required or recommended courses irrespective of student campus affiliation. All units in the college that participate in the IPS degree are represented on the committee, so all concerns are taken into consideration.

Students in other colleges and majors, for example, the Carson College of Business – Hospitality Business Management, will sometimes minor in V&E. This option is currently available to students at WSU Tri-Cities where the HBM major is offered and on the Pullman campus. The minor in V&E will continue to be offered on the Pullman campus so these students will not be affected. Thus, any student located in Pullman or Tri-Cities, in any college, hoping to minor in V&E will still have the option available to them. The only students that might be affected would be, for example, a student that wanted to double major in Hospitality Business Management and V&E – they could not do this while residing on the Pullman campus.

There would be no impacts on other campuses as the programs are not offered on those campuses.

Impact on or responses of other stake holders (e.g., advisory or alumni groups):

A primary reason for this change is to increase interactions between students and stakeholder partners. Our Viticulture and Enology (V&E) stakeholders have invested significant resources, including a state of the art Wine Science Center, into the program on the Tri-Cities campus. When the university and college formed the V&E Advisory Board in 2017, one of the three subcommittees established was a Program Subcommittee. This subcommittee consisted of industry stakeholders, college personnel (including the Associate Dean for Academic Programs), representatives from partner community colleges, and V&E Program faculty. One of the recommendations from this committee was that all students majoring in V&E be encouraged (required) to spend the third and fourth years of their program at the Tri-Cities campus. This decision was made to provide students with the highest quality educational experience as possible. One of the principal reasons behind this recommendation was the ability for students to participate in quality internships. For V&E major students, highest value internships begin in spring and end in mid to late October. This allows students to participate in a complete cycle that includes early vineyard experiences and runs through crush. As virtually all of these complete internship opportunities are offered through operations in central Washington, it is virtually impossible for students that are not “local” to participate at the level that the industry prefers and is competitive with other universities offering V&E degrees. Additionally, WSU Tri-Cities has a working, research and teaching winery and a teaching vineyard on campus. These facilities are used by faculty teaching from the Tri-Cities campus but are unavailable to students based in Pullman. Although we try to arrange for “field trips” for Pullman students to the teaching vineyard and to field sites in central Washington, it is very difficult and costly.

A less defined but extremely important factor that has been pointed out by stakeholders is their want to mentor students and to help develop a highly qualified workforce. With the number of vineyards and wineries within an hour drive from the Tri-Cities campus, each student would have an opportunity to work on an individual level with someone from industry. Students would also be able

to work with V&E faculty and graduate students in the outstanding facilities of the Wine Science Center and with additional faculty located at the Irrigated Agriculture Research and Extension Center in Prosser WA, a 40 minute drive from the WSU Tri-Cities campus.

In summary, giving students opportunities to take advantage of all of the exceptional resources offered at WSU Tri-Cities campus and within a short drive of the campus is one of the highest priorities for our stakeholders. They believe that this is necessary if we are to produce students competitive with those being educated at other universities. The goal of our stakeholders is to develop a world class V&E program and they are highly invested in that aspiration.

SIGNATURES: The names typed below certify that the relevant academic and campus officials have reviewed and approved this proposal:

Chair Signature:	Richard Zack Thomas Henick-Kling	Date:	26 August 2019
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Dean Signature:	André-Denis Wright	Date:	26 August 2019
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→ Submit to the Provost’s Office at provost.deg.changes@wsu.edu

Everett Chancellor		Date:	
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Spokane Chancellor		Date:	
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Tri-Cities VCAA		Date:	
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Vancouver VCAA		Date:	
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VP Global Campus		Date:	
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Provost Office:		Date:	
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Comments:

For Registrar’s Office Use Only:			
Current CIP Code:		New CIP Code:	
		Date:	

[Send completed form in Word version to: provost.deg.changes@wsu.edu]

Viticulture and Enology (120 Credits)

The Viticulture and Enology major was created for students interested in wine-grape growing and winemaking, as well as contributing to critical research and development opportunities in the wine industry. This program offers the technical, scientific, and practical experience needed to gain the essential skills for producing high quality grapes and premium table wines. It prepares students for successful careers in the wine industry in Washington and beyond.

First Year

<i>First Term</i>	<i>Credits</i>
CHEM 101 [PSCI] or 105 [PSCI]	4
[COMM] Course (COM 102 [COMM] or H D 205 [COMM] recommended)	3 or 4
HISTORY 105 [ROOT]	3
HORT / CROP SCI 102	3

<i>Second Term</i>	<i>Credits</i>
CHEM 102 or 106	4
ENGLISH 101 [WRTG]	3
HORT / CROP SCI 202	4
STAT 212 [QUAN]	4

Second Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 106 [BSCI] or 120 [BSCI]	4
CHEM 345	4
ECONS 101 [SSCI] or 102 [SSCI]	3
VIT ENOL 113	3
Electives	3

<i>Second Term</i>	<i>Credits</i>
Arts [ARTS]	3
BIOLOGY 107	4
Diversity [DIVR]	3
Humanities [HUM]	3
SOIL SCI 201	3
Complete Writing Portfolio	

Third Year

<i>First Term</i>	<i>Credits</i>
BIOLOGY 420	3
ENTOM 343 [M]	3
HORT/VIT ENOL 313	3
MBIOS 303	4
PL P 300 ¹	2

<i>Second Term</i>	<i>Credits</i>
ENTOM 351	3
HORT/VIT ENOL 413	3
IPM 452	2
MBIOS 305	3
Specialization Electives ²	3

<i>Third Term</i>	<i>Credits</i>
(Summer Session) VIT ENOL 399 or FS/VIT ENOL 496	2

Fourth Year

<i>First Term</i>	<i>Credits</i>
FS/VIT ENOL 465	3
HORT 418 [M]	3
HORT/VIT ENOL 326	3
HORT/VIT ENOL 409	1
Specialization Electives ²	3

<i>Second Term</i>	<i>Credits</i>
FS/VIT ENOL 422	3
FS/VIT ENOL 435	3
HORT 416 ³	3
HORT 425 [CAPS] [M]	3
Specialization Electives ²	3

Footnotes

¹ PL P 429 can be taken as an alternative, but PL P 300 is recommended.

² Approved Specialization Electives courses include (9 credits): AGTM 315; BIOLOGY 421; CHEM 220/222; CROP SCI 305, 403; ECONS 351; ENVR SCI 486; FS 303, 416, 423, 460, 462, 470; FS/VIT ENOL 466; GEOLOGY 322, 323; HBM 350, 358, 480; HORT 251, 421 [M], 495, 499; MATH 140; MBIOS 301, 306; MKTG 360; PHYSICS 101; SOIL SCI 302 [M], 374, 414, 415, 441, 442, 468; or as approved by advisor.

³ CROP SCI 411 [M] can be taken in the fall as an alternative to HORT 416.

Comments/concerns:

(Prepared by Richard Zack for the FS Budget Committee)

In relation to all questions, a NOI has been submitted to create a new Department of Viticulture and Enology that will be housed on the Tri-Cities Campus with faculty at Tri-Cities, Pullman, and our Research and Extensions Centers (for example: Pullman, Wenatchee, Mount Vernon, Puyallup). The proposal includes a number of new faculty and program resources. Additionally, a proposal has been submitted to discontinue the Viticulture and Enology major as an option on the Pullman campus thereby making it only available on the Tri-Cities campus (although students could start the program and spend the first four to five semesters in Pullman). And, while the creation of a new department, if implemented, will certainly have significant effects on the V&E program, the request to elevate the V&E offering from a major under the BS in Integrated Plant Sciences to a BS degree of its own, is independent, and was going to be requested with or without a new department

1. Questions regarding moving the degree department to the Tri-Cities
 - Will any additional classes need to be offered at either campus to fulfill this degree?
 - Can they all be managed through AMS? Even if so, what is the cost?
 - Will any additional faculty be needed to cover those classes?

No new additional courses will need to be taught. Currently, students in the V&E major can begin and complete the degree on either campus or go between campuses, if they wish. The complete curriculum is offered by using faculty on both the Pullman, and Tri-Cities campuses and a few faculty at our Research and Extension Centers (e.g., Prosser and Wenatchee). This will all remain as it is. AMS (now Zoom) has been and should continue to be adequate for our needs. As we will continue to offer a minor in V&E on the Pullman campus, we do not contemplate any changes in the curriculum from its current form. No additional faculty are needed to deliver the academic program.

- What will be the impact of the Integrated Plant Sciences program in Pullman?
 - What proportion of the IPS program is composed of the V&E students? Will separating V&E have a budgetary impact on IPS?

There will be minimal to no impact on the overall Integrated Plant Sciences program. There are approximately 170 declared students in the IPS majors, 45 are currently Pullman V&E students. An equal number of V&E students are declared majors at Tri-Cities. With our current form of EBB funding and the manner in which CAHNRS returns funds, money generated through courses goes back to the unit teaching the course. Because we are contemplating no changes in the courses being taught, there will be no budgetary effects on units. Additionally, we contemplate that many students will still begin the program in Pullman (they will be able to do so but just not certify into the major until they move to Tri-Cities). In the long-term, we believe that we can use the resources at the Tri-Cities campus (e.g., state of the art facility in the Wine Science Center, close proximity of the industry, availability of internships and work

opportunities, etc.) to increase the number of students in the V&E program, though we do not foresee significant growth for at least five years.

Do any faculty currently teach both V&E and other IPS courses. If this plan is completed, where would these faculty go and how would their costs be allocated among departments and campuses?

Yes, a number of faculty from other units teach courses that serve the V&E program as well as other programs, and this will continue. All of these faculty would remain in their current units (e.g., Food Science, Crop and Soil Sciences, Horticulture, Entomology, etc.). Again, we contemplate no changes in teaching assignments so the college EBB funding model would continue. No unit will suffer financially.

- Will any faculty need to transfer from the Pullman campus to the Tri-Cities campus?
 - If so, who will be paying the transition costs?
 - Can the Tri-Cities campus absorb the costs of those additional faculty? Is the chancellor of Tri-Cities offering support?

No faculty will be asked to move to a new campus. If a new Department of Viticulture and Enology is approved and created, new faculty will be hired into the unit and they will reside on the Tri-Cities campus. These additions are addressed in the proposal to create a new department. This proposal has the complete support of the Tri-Cities Chancellor and the CAHNRS Dean and Tri-Cities Chancellor have and continue to meet to address the situation. Additionally, a committee consisting of faculty, administrators, staff, and faculty have been meeting to develop the program.

- How will the minor be offered in Pullman if the program as a whole has been moved to the Tri-Cities? Will there be any additional costs to make this happen?

Because the courses are taught across campuses, there will be no changes in the ability of a student to obtain the needed courses for the minor. Because courses needed for the V&E major are taken by other students in Pullman and Tri-Cities we will ensure that all courses are available as currently offered. Additionally, there will be a number of faculty involved in teaching and research in viticulture and enology still in Pullman so they will serve as mentors and “advisors” for the students in the minor and those just wanting to take a course.

- Is there evidence of the impacts on other programs and other campuses with explanations of why this is acceptable and names of who was contacted from other programs and campuses?

The primary programs that this will impact are other Integrated Plant Science majors in CAHNRS and the minor in Viticulture and Enology that will continue to be offered on the Pullman campus. Some of the courses taught are needed for more than the V&E major. This has been discussed by the IPS faculty, chairs of units that teach in the IPS degree program, advisors, and administrators in Pullman and Tri-Cities. Course schedules have been and will carefully be designed and implemented to ensure that students in all of the majors and minors will have

access to all courses on both the Tri-Cities and Pullman campuses. This is a high priority for us and we do not foresee any problems.

2. I have a question here. So this degree program intends to include required courses from other departments (Chem, Math, SMB, etc.). I'm not seeing where it has been addressed how this proposal could potentially impact those departments and their online teaching efforts. At a minimum it would have been useful to see a projected number of students enrolling in those courses per year, to assess the teaching effort increase for the faculty in those other departments, coupled with some sort of evidence of communication with those departments that they are on board with this proposal and that it won't significantly affect their budgetary concerns. Additionally, what if one of those other departments opts to discontinue their online class that is required for this degree program? It may be that the assumption is that since the majority of the additional non-BIOS courses are also in the CAS, it should be fine based on the Dean's letter of commitment. However, in the second term Second Year, either CHEM 370 or MBIOS 303 are listed as options, and the MBIOS course is housed in the College of VetMed, not CAS. Is the intention to just push the students into CHEM 370 if MBIOS 303 is not available online? Or would there be some sort of funding plan in place to continue to offer MBIOS 303 as an option (i.e. faculty remuneration)?

We do not foresee any significant changes in the number of students being taught by faculty in other colleges, especially as it concerns online courses. Although we hope that the number of students in the degree will grow, in reality, we do not see that happening in at least the next five years. And, we believe that we will continue to see the current spread in the number of students that spend their first four or five semesters on each of the campuses – so there should be little change in demand on either campus. Indeed, we did discuss the CAS Dean's memo but more so the commitments from the university and Tri-Cities campus to develop STEM offerings at Tri-Cities (e.g., a new STEM teaching building). All of the basic courses are currently offered face-to-face at both campuses and, although there may be a slight increase in the number of students taking 100 and 200 level courses at the Tri-Cities campus, Tri-Cities administration has committed any needed resources to teaching these students – the CAHNRS Dean and Tri-Cities Chancellor have met on several occasions and continue to meet in order to ensure a seamless transition.

As the Tri-Cities campus progresses in the number of degree offerings, especially in STEM majors, there will certainly be needed changes in their ability to rely less on online offerings (to meet requirements) or to "financially" support those offerings. We also believe that Tri-Cities will work with the appropriate units to arrange for the courses to be offered by faculty at the Tri-Cities campus. If CAHNRS continues to add majors at the Tri-Cities campus, we will work with units and colleges on both campuses to make sure that needed courses are offered. We know that the Tri-Cities campus is hoping to increase their offerings and is working to increase

their ability to offer needed courses (again, a new building devoted to STEM teaching). It is difficult to make predictions on future teaching and program development but we are committed to offering quality academic programs and ensure that students receive the courses needed for their programs. This may sound simple and flippant but it is our commitment and has been the subject of hours of discussion as we developed our proposals to go from a V&E major to degree, to transition all students to the Tri-Cities campus for their third and fourth years (or at least fourth year), and to create a new Department of Viticulture and Enology that will be administratively housed on the Tri-Cities campus.

3. Are the resource projections based on empirical evidence (data or a promise from administrators or the state) and sufficient?
 - a. There are confusing statements about what is meant by the eventual transfer of “all” or the ‘last two years’ of the program from Pullman to Tri-Cities. On page 2 of the NOI it states the plan to “discontinue the offering” in Pullman and on page 3 “we hope to eventually transition the last two years of the program only to the TC campus” Does “discontinuing the program in Pullman” mean just the last two years? Any lost AAFTE in Pullman as a result of moving all or a portion of the program to Tri-Cities will result in lost revenue (undergraduate EBB funding) to CAHNRS. Even though the Resource Implications section of the NOI says no new funding is required they have not addressed how this lost revenue would be managed. On the other hand, Tri-Cities campus tuition revenue will increase. Has there been discussion of how those resources will or won’t be directed toward this program?

I am sorry for the confusion. With the discontinuation of the degree offering in Pullman, students would still have several opportunities that involve Pullman. Currently, students can begin and complete the program at either campus. If we discontinue offering the major in Pullman, students could still begin the program in Pullman, complete their UCORE and basic course work and then transfer to the Tri-Cities campus where they would certify into the major. This could be done at the end of the second or during the third year depending on the progress of the student. This would allow students that want the larger university experience a chance to do so.

Once a student transfers to the Tri-Cities campus, the tuition dollars would follow them. Because most of the courses will still be needed on the Pullman campus to accommodate those in the V&E minor and the other majors that share some of the V&E course requirements, the amount of EBB funding lost to Pullman/CAHNRS will be minimal and has been discussed with the appropriate units. Some of these courses will continue to be taught by Pullman or Research and Extension Center-based faculty and EBB would follow them. The topic of funds now going to Tri-Cities and those funds being directed to V&E program support has been addressed

between the Tri-Cities Chancellor and the CAHNRS Dean. The Chancellor and Dean, as well as other administrators and faculty, are in constant contact as we develop viticulture and enology on the Tri-Cities campus.

- b. The “Other funding” section of the Resource implications says ‘see below’ – not clear what that’s referring to, is it the statement in the “Other significant resource implication” section that financial impacts will be addressed with the proposal to create a new department?

Yes, it refers to budget considerations that will be developed with the creation of a new department. If a new department is not approved, we can still move from a major to a degree and discontinue the ability to certify into the major (degree) in Pullman with the resources as outlined in this proposal. However, if a new department is approved, that will bring a number of new resources into play including additional faculty.

4. Are the enrollment numbers based on sound empirical evidence (backed up with data)
 - a. Tri-Cities certainly sounds like the right location for this degree based on the answers to the ‘student demand’ section of the Demand analysis. That being said, I didn’t see evidence of student input on the plan to move the degree to Tri-Cities other than a statement that there is ‘strong support of students, faculty, administrators at both campuses’. If a number of the students are traditional UG the Tri-Cities campus offers a much different experience than Pullman. Since about half of the students are in Pullman I would look for evidence that they are on board with the location change before assuming that enrollment will remain stable and grow when the program is 100% in Tri-Cities.

The Dean of CAHNRS has had meetings with students in the Viticulture and Enology student organization on the Pullman campus. The Associate Dean for Academic Programs and the Chair of the Department of Crop and Soil Sciences have also had meetings with individual students as well as the V&E student organizations. They basically agree with the question statement. The optimal campus for the program is Tri-Cities but, Tri-cities offers a different undergraduate experience. In conversations with students at the Tri-Cities campus, they very much appreciate the opportunities that are available to them on the campus and are lacking on the Pullman campus. The number of students that transfer from Pullman to Tri-Cities for their third and or fourth years continues to grow. Students are realizing that if they truly want a career in V&E, their chances of doing so are increased by taking advantage of the opportunities at Tri-Cities. We currently advise students entering the program in Pullman that they should consider transferring to Tri-Cities to finish their program because of the opportunities.

Because we realize that some students will want to complete their full degree program in Pullman, we have options for them. They can major in Fruit and Vegetable Management (or another IPS major) with a minor in Viticulture and Enology. They can also major in Fermentation Science through the School of Food Science. Additionally, students will be able to begin their program at Pullman and then transfer to the Tri-Cities campus for their final two years (they would not declare a major until they transfer to Tri-Cities).

A tremendous amount of interaction with stakeholders, students, employers, and faculty and staff occurred before making our decision to only offer the major only at the Tri-Cities campus. Because of the overriding benefits to the students in terms of opportunities, we believe that it is in their best interests to take the current action.

5. Does the budget seem like a proposal where Library would be [greatly] impacted? If so, does the budget adequately address any impacts on Library?
 - a. There's a statement that library resources in Pullman and Tri-Cities are adequate – will that still be true when the program is 100% in Tri-Cities. Are significant resources in Pullman currently? Will those be easily accessible when the program is moved to TC?

The V&E faculty have had this discussion and it was deemed that given what is available in Tri-Cities and what is available online, the library resources are very good. If a Department of Viticulture and Enology is created at the Tri-Cities campus, there may be additional needed library resources that address the concerns of research and Extension more so than those of the students. This is addressed in the NOI to create a new department.