

Statewide Agricultural Science and Technology Program of Study Renewal

2016 Version Due: June 30, 2016

Directions—please enter information into ALL the fields in this form.

Step 1 – Online CTE Program Update

- Verify, review and update Program of Study Courses. <http://www.ode.state.or.us/data/stats/opte/> select most recent year.
- Update course information for your local course offerings.
- If changes are needed work with your Regional Coordinator.
- If a **new program** provide the course description document <http://goo.gl/UglFYu>

Step 2 – Complete this **Statewide Agricultural Education Program of Study Renewal form** (make sure all items are complete)

- Program ID Page (Page 1) complete
- Complete / update Standards Crosswalk Matrix Webinar #1 <http://ovata.org/pos> & <http://goo.gl/PWHc7w>
- Indicate on the Matrix (above) those courses that trigger the Technical Skill Assessment(s)
- Complete / update the Career Pathway roadmap / visual Webinar #2 <http://ovata.org/pos>
- Identify the Technical Skill Assessment model that you use within your program. Webinar #3 <http://ovata.org/pos>
- If you are Providing Student Support Services material that is above and beyond the Template presented in Webinar #4 <http://ovata.org/pos>
- Print out Assurances page, secure signatures, and scan as attachment to this **2016 Statewide Agricultural Education Program of Study Renewal form** include with the complete application and email to pos.application@state.or.us

Step 3 – Submit this **2016 Statewide Agricultural Education Program of Study Renewal form** and attachments to Regional Coordinator for local approval.

Step 4 – CTE Regional Coordinator: Review and approve appropriate CTE Program Update submission on website; then review and approve appropriately completed **2016 Statewide Agricultural Education Program of Study form** and attachments

Step 5 – Finally, forward appropriately completed and approved **2016 Statewide Agricultural Education Program of Study form** and attachments and attachments to ODE at this email address: pos.application@state.or.us (Use the Secure File Transfer <https://district.ode.state.or.us/apps/xfers/> for large files .) DEADLINE: June 30, 2016.

Regional Coordinator/Contact:

2A--Beth Molenkamp elizabeth.molenkamp@pcc.edu

Statewide Ag Sci CTE POS—Title:

(SW) Agricultural Science and Technology

Career Area:	Agriculture, Food & Natural Resources--AFNR
Cluster Area:	AFNRS--Agriculture
Focus Area (if applicable):	
Secondary CIP Code: (Link to CIP website)	01.0000

Secondary School Name:		Sunset High School
Secondary School District:		Beaverton School District
Secondary School ID Number:		1188
Secondary Teacher Name:	Email	Current CTE License
Arianne Reichelt	Arianne_Reichelt@Beaverton.k12.or.us	AFNRS--Agriculture Science Technology
Justin Strom	Justin_Strom@Beaverton.k12.or.us	AFNRS--Agriculture Science Technology
Adam Lifscis	Adam_Lifscis@Beaverton.k12.or.us	AFNRS--Agriculture Science Technology

Secondary Technical Skill Assessment (TSA): Use the code from this table for your selected TSA.		Locally Produced TSA (application being submitted)
Secondary/Post-secondary CTE POS Visual/Pathway Map Hyperlink: (if different than the post-secondary above)	Please see attached.	<input checked="" type="checkbox"/> No link, but secondary/post-secondary visual included in Addendum B

Statewide Ag Sci CTE Program Of Study 2016 Renewal (continued)

Community College Name:		Blue Mountain Community College,	
College Point of Contact:		Preston Winn - preston.winn@bluecc.edu	
Community College CIP/Program Title/Award:	01.0101	Agriculture: Business	Associate of Applied Science
	01.0301	Agriculture: Production	Associate of Applied Science
	01.0304	Agriculture: Production: *CROPS	Associate of Applied Science
	01.0302	Agriculture: Production: *LIVESTOCK	Associate of Applied Science
Community College Name:		Klamath Community College	
College Point of Contact:		Keith Duren - duren@klamathcc.edu	
Community College CIP/Program Title/Award:	01.0000	General Agriculture	Associate of Applied Science
	03.0103	Natural Resource Systems	Associate of Applied Science
	48.0508	Welding	Certificate of Completion (45-60)
Community College Name:		Linn-Benton Community College	
College Point of Contact:		Clay Weber - weberc@linnbenton.edu	
Community College CIP/Program Title/Award:	01.0301	Agriculture	Associate of Applied Science
	01.0901	Animal Technology	Associate of Applied Science
	01.0307	Animal Technology – Horse Management	Associate of Applied Science
	01.0601	Horticulture	Associate of Applied Science
	48.0508	Welding and Fabrication Technology	Associate of Applied Science Certificate of Completion (61-108 & 45-60)
Community College Name:		Treasure Valley Community College	
College Point of Contact:		Sandy Porter - sporter@tvcc.cc	
Community College CIP/Program Title/Award:	01.0101	Agriculture Business	Associate of Applied Science
	01.0101	Ag Business Technician-Crop Science	Certificate of Completion (45-60)
	01.0307	Horse Production	Associate of Applied Science
	01.1106	Natural Resources	Associate of Applied Science
	01.0104	Ranch Management	Associate of Applied Science
	01.0000	Viticulture and Enology	Associate of Applied Science
	43.0201	Wildland Fire Management	Associate of Applied Science
	48.0508	Welding Technology	Associate of Applied Science Certificate of Completion (45-60)
Community College Name:		Chemeketa Community College	
College Point of Contact:		Johnny Mack - johnny.mack@chemeketa.edu	
Community College CIP/Program Title/Award:	01.0601	Horticulture	Associate of Applied Science
	01.0304	Vineyard Management	Associate of Applied Science
	48.0508	Welding Fabrication	Associate of Applied Science
Community College Name:		Umpqua Community College	
College Point of Contact:		Jesse Morrow - Jesse.Morrow@umpqua.edu	
Community College CIP/Program Title/Award:	01.0601	Horticulture	Associate of Applied Science
	01.0304	Vineyard Management	Associate of Applied Science
	48.0508	Welding Fabrication	Associate of Applied Science
Community College Name:		Tillamook Bac Community College	
College Point of Contact:		Ann Hovey - annhovey@tillamookbaycc.edu	
Community College CIP/Program Title/Award:	01.0000	Agriculture and Natural Resources	Associate of Applied Science

Statewide Ag Sci CTE Program Of Study 2016 **Renewal** (continued)

Student Support Services

Expectations

The Statewide AgEd Program of Study will use the modified student portfolio from the FFA Proficiencies (entrepreneurship / placement) that are used within the FFA Awards and recognition program.

It would be expected that local programs / schools will have additional materials used in counseling and advising students within the specific graduation requirements of their school.

The comprehensive approach of the Statewide Agricultural Education Program of Study will assist in preparing students for Oregon's diploma graduation requirements and to ensure that the Agricultural Education students are College and/or Career Ready.

In addition to the Check the modified student portfolio from the FFA Proficiencies, check the applicable boxes below that indicate the Student Support Services you provide for students studying in this CTE Program of Study. **(Boxes not checked should be explained in the Comments box below.)**

Sec	Student Service Provided
<input checked="" type="checkbox"/>	Students receive information, guidance, and/or counseling specific to this CTE Program of Study, including career and job market information, and college program information.
<input checked="" type="checkbox"/>	Students participate in CTE POS specific career related learning experiences or related work experience.
<input checked="" type="checkbox"/>	Students' education planning is developed around information specific to this CTE Program of Study.
<input checked="" type="checkbox"/>	Extended application projects or capstone experiences are developed within the context of this CTE Program of Study.
<input checked="" type="checkbox"/>	Written information is provided to all students in this CTE Program of Study informing them of available articulated college (or university) credits, dual credit, expanded options, scholarships, and other postsecondary opportunities.
<input checked="" type="checkbox"/>	Efforts are made to provide information to students who are considered non-traditional by gender to the occupations resulting from this CTE Program of Study.
<input checked="" type="checkbox"/>	Access and recruitment to courses in this CTE POS are provided for all students including, but not limited to all Oregon and federal protected classes.
<input checked="" type="checkbox"/>	Accommodations are made to assure students with special needs can participate in this CTE POS.
<input checked="" type="checkbox"/>	Assistance is provided for students wishing to participate in this CTE POS for whom English is not their native language.

Comments:

(In the box below, please: 1) include links to any online documentation; 2) use this comment box to explain missing checkboxes from the **Expectations** matrix above.)

1. *Career/College Information: Beaverton School District students have access to resources through their Career Information System (CIS) accounts. Students are required to research occupations and college/career options as a component of the .125 career education credit earned each year based on progress in completing the College and Career Readiness Program. Please see the BSD's Student Education Plan and Profile program website: <http://www3.beaverton.k12.or.us/instruction/stepp/index.html>. Students are also provided program information via each school's academic planning guide and counselors who maintain current understanding of the POS.*
2. *CRLE: All Beaverton School District students must attend at least 4 CRLE events. CRLE participation is generally tracked through each student's CIS account. Terra Nova Sustainable Agriculture students engage with guest speakers and work directly with industry partners and the community via their plant sale. They also have the option of enrolling in the Harvest Work Experience that provides students with a paid internship to work alongside the Farm Educator and maintain the Terra Nova farm over the summer.*
3. *Education Planning: Students maintain a personalized electronic portfolio through CIS that allows them to create and maintain career and education plans. The requirement is another component of the .125 career education credit earned each year based on progress in completing the College and Career Readiness Program. The POS has established a course-to-standards crosswalk and a career pathway roadmap that identify the courses, skills, and post-secondary courses associated with the industry.*
4. *Extended Application: All Beaverton School District students must apply and extend knowledge in an extended application, generally referred to as a Senior Project. Students enrolled in the Terra Nova Sustainable Agriculture POS have the option to utilize their Aquaponics project to meet the requirements of their Senior Project. The Aquaponics project begins by discussing the nitrogen*

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cycle both within our system and outside in nature. Next, they transition to photosynthesis, respiration and the global carbon cycle. Then the students research different methods of design and construction and engineer a plan. The students begin to build their aquaponics systems using next generation engineering principles. As the students construct, they continue to participate in mini lessons. For example, they look into plant genetics, light absorption by various photo-pigments, sustainability, comparison and contrasting with traditional agriculture, and how energy transfers through the system. Please see attached presentation rubric.

5. **Postsecondary Opportunities:** As noted above, the POS has established a career pathway roadmap that identifies the courses, skills, and post-secondary courses associated with the industry. The POS is currently reviewing the possibility of offering dual credit in ESR 140 Introduction to Sustainability.

6. **Non-Traditional:** The Terra Nova Sustainable Agriculture POS is successfully attracting a fairly equal proportion of males and females – enrollment for the 2017-18 school year shows 53% males and 47% females. The program maintains one female teacher, a female Farm Educator, and female industry partners. They will continue to involve female guest speakers from industry and continue efforts with comprehensive high schools and counselors to promote the program to all students.

7. **Access:** The Terra Nova Sustainable Agriculture POS is open to all BSD comprehensive high school students (transportation provided). Students submit applications with their high school forecasting forms and are placed in a lottery as space is limited at the Terra Nova site.

o **BSD Nondiscrimination Policy:** <https://www.beaverton.k12.or.us/about-us/Pages/Nondiscrimination-Policy.aspx>

o **BSD Policies and Regulations:** <https://www.beaverton.k12.or.us/dist/Pages/policies.aspx#Section-I>

o **BSD CTE Program Statement:** <https://www.beaverton.k12.or.us/about-us/Pages/CTE-Program-Statement.aspx>

8. **Accommodations:** BSD Special Education Services <https://www.beaverton.k12.or.us/depts/tchlrn/Pages/SpecialEducation.aspx>
Generally, the accommodations outlined on a special education students' IEP/504 plan provide the guidelines for success in the courses in the Terra Nova Sustainable Agriculture POS. Students who are not able to pass the equipment safety tests and/or obtain a Food Handlers Card are required to work with another student or group of students in order to ensure that their tasks are still accomplished in a safe and healthy manner. Many tasks at Terra Nova are completed in a collaborative manner so the approach is effective. The facilities have also been monitored to ensure the planter boxes, kitchen, and shop are ADA accessible.

9. **ELL:** BSD Multilingual Department <https://www.beaverton.k12.or.us/depts/tchlrn/Pages/MultilingualDept.aspx>

Terra Nova Sustainable Agriculture POS teachers may utilize SIOP strategies, access best practices for English as a second language resources available within the BSD, and tap into the dual language skills of current students to help with translation in order to improve support for ELL students.

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Certification of Assurance

One Assurance document is needed for each secondary school.

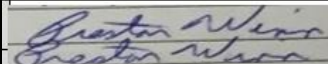
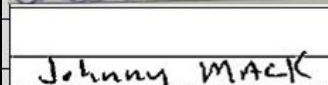
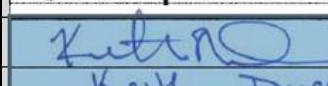
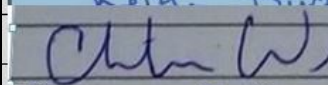
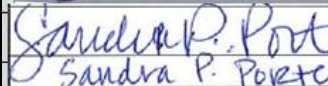
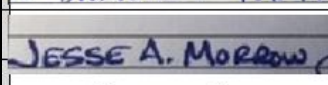
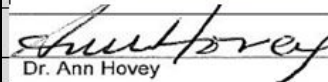
Directions: **After filling in all the appropriate fields in this form**, print out a copy of this Certification of Assurance page and acquire all the appropriate signatures. All signatures must be on one form. Scan and email with the complete Program of Study package to POS.Application@state.or.us

Statewide Agricultural Education POS	(SW) Agricultural Science and Technology Program of Study	
Names of Secondary Schools		
Name of Community College	Blue Mountain CC, Klamath CC, Linn-Benton CC, Treasure Valley Community College, Chemeketa Community College & Umpqua Community College, Tillamook Bay Community College	
SECONDARY LOCAL SUPPORT and CERTIFICATE OF ASSURANCE	I have reviewed this program application document for clarity, completeness and adherence to program quality standards, and support its approval. I agree that the CTE program area requirements for secondary CTE programs, including appropriate CTE certification for teachers, the rules and regulations for Public Law 109-270, and the requirements contained in the Oregon State Plan for Career and Technical Education will be complied with in the operation of the CTE programs and services offered by the district or through contract between the district and other agencies, institutions, or individuals. I agree to furnish Agricultural Science and Technology program data as requested by the Oregon Department of Education.	
Administrator Signature		Date:
Administrator's Name	Andrew Cronk	
Teacher Signature		Date:
Teacher Name	Justin Strom	

LOCAL SUPPORT and CERTIFICATE of ASSURANCE	The Advisory Committee is involved in the design & development of the program.	
Advisory Committee Signature		Date:
Advisory Committee Member's name	Enter Advisory Committee Member's Name	

POST-SECONDARY LOCAL SUPPORT AND CERTIFICATE OF ASSURANCE

This community college has been involved in the design and development of this CTE program of study and agrees to continue collaboration meeting all 5 Core Elements, especially alignment and articulation and reliable and valid technical skills assessment.

Blue Mountain Community College Administrator's Signature		5/19/16
BMCC Administrator's Name	Preston Winn	
Chemeketa Community College Administrator's Signature		5-18-16
Chemeketa Administrator's Name	Johnny Mack	
Klamath Community College Administrator's Signature		5/17/16
KCC Administrator's Name	Keith Durbin	
Linn-Benton Community College Administrator's Signature		5-24-16
LBCC Administrator's Name	Chlu Wm	
Treasure Valley Community College Administrator's Signature		5/17/14
TVCC Administrator's Name	Sandra P. Porter	
Umpqua Community College Administrator's Signature		5/17/2016
UCC Administrator's Name	Jesse A. Morrow	
Tillamook Bay Community College Administrator's Signature		5/16/16
Tillamook Bay Administrator's Name	Dr. Ann Hovey	

For Regional Coordinator Use Only

Recommended Status: ☐ RECOMMENDED FOR STATE APPROVAL (Perkins Eligible) Expiration Date: June 30, 2020
☐ DISAPPROVED (and returned for revision)

Date: _____

Regional Coordinator Signature _____

For ODE/OCCWD Use Only

Approval Status: ☐ FINAL ODE APPROVAL (Perkins Eligible) Expiration Date: June 30, 2020
☐ FINAL CCWD APPROVAL

Reynold Gardner

Date: _____

EII Education Specialist Signature _____

Submission Process

Instructions

Submit complete electronic copies of the application materials by following this procedure:

1. Create a file (main folder) for storing all documents to be submitted
2. Title the folder using the name of the secondary school, the name of the Program of Study, and the year of submission, e.g., "OregonTownHSAg2016." Title each document accurately to represent what the document represents.
3. Each High School needs to include a completed Assurance page with all signatures included on one form—please, no duplicate pages with partial signatures.
4. Please be sure all required documents, links, and examples are included.
5. Prepare files for submission:
 - a. Submit each POS application main folder with its subfolders one POS at a time.
 - b. Use the electronic download process using ODE's FTP portal. Go to the ODE Secure File Transfer site (<https://district.ode.state.or.us/apps/xfers/>) and follow the online directions for sending your POS folder to POS.Application@state.or.us
 - c. Alternatively, you may save folders on a Jump Drive or CD-ROM and send to ODE, in care of: Reynold Gardner, Oregon Department of Education, PSB 2nd Floor, 255 Capitol St. NE, Salem, OR 97310.

DEADLINE for submission: June 30, 2016

Checklist before submitting:

<input checked="" type="checkbox"/>	All items on Page 1 of this form have been completed
<input checked="" type="checkbox"/>	The course-to-standards matrix for this CTE POS has been completed and attached http://goo.gl/PWHc7w
<input type="checkbox"/>	If a new program provide the course description document http://goo.gl/UglFYu
<input checked="" type="checkbox"/>	The Career Pathway Map/Visual link has been included on Page 1, (showing both secondary and postsecondary partners)
<input checked="" type="checkbox"/>	All courses that trigger the Technical Skill Assessment have been identified in the course-to-standards matrix
<input checked="" type="checkbox"/>	All student support services expectations (Page 2) have been addressed and any documentation has been linked or attached
<input checked="" type="checkbox"/>	Assurances document has been properly completed, signed, and attached and emailed POS.Application@state.or.us or sent using the Secure File Transfer method https://district.ode.state.or.us/apps/xfers/

(You may delete this page before submitting this application. To do so, you need to unlock the form, highlight everything on this page, delete, then re-lock the form and save.)