OVATA - Statewide Agricultural Education Program of Study Source: Oregon Skill Sets--Knowledge & Skills Statements

A.A.S. in Ag Production or Ag Business, A.S. Transfer (OSU Ag Articulation), Welding Certificate

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	Agriculture Education Cluster
AG 02.01	Use oral and written communication skills in creating, expressing and interpreting agricultural
AG 02.01	information and ideas including technical terminology.
AG 03.01	Solve agriculture problems using critical thinking skills (e.g., analyze, synthesize and
AG 05.01	evaluate, independently and in teams).
AG 04.01	Use information technology tools to access, manage, integrate, create, and communicate agricultural information.
AG	Use leadership skills in collaborating with others to accomplish agriculture related
07.01	organizational goals and objectives.
AG	Know and understand the importance of professional ethics and legal responsibilities in
08.01	agricultural careers.
AG 09.01	Know and understand the importance of employability skills for agricultural careers.
AG 10.02	Use tools, equipment, machinery and technology to work in areas related to agriculture.
AG 11.01	Use economic principles to manage agriculture resources and produce products.
	Focus Area: Plants / Horticulture
Plant 01.	Apply knowledge of plant classification, plant anatomy and plant physiology to the production and management of plants.
Plant 02.	Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil on plant growth.
Plant 03.	Propagate, culture and harvest plants.
Plant 04.	Employ elements of design to enhance an environment.
Plant 06.	Horticulture standards and skills specific to Oregon's horticulture industry. Key words (hort, nursery, landscape, ornamental, turfgrass, turf, garden, botanical, greenhouse, green industry, Xeriscape)
	Focus Area: Animal Science
	Classify, evaluate, select and manage animals based on anatomical and physiological
ANS 02.	characteristics.
	Apply principles of animal nutrition to ensure the proper growth, development, reproduction
ANS 04.	and economic production of animals.
ANS 08.	Analyze environmental factors associated with animal production.
	Focus Area: Ag Business Management
ABM 02.	Utilize appropriate management planning principles in Agriculture business enterprises.
ABM 03.	Utilize record keeping to accomplish Agriculture business objectives while complying with laws and regulations.

	Apply generally accepted accounting principles and skills to manage cash budgets, credit budgets and credit for Agriculture businesses.
ABM 05.	Assess accomplishment of goals and objectives by an Agriculture business.
	Focus Area: Ag Mechanics
	Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land treatment, power and technology.
PST 03.	Service and repair mechanical equipment and power systems.
PST 04.	Plan, build and maintain agricultural structures.
PST 05.	Apply technology principles in the use of agricultural technical systems.

School Instruct	tor/s		m, Adam Lifsics, Arianne Reichelt (Blair Borax)		Applied	Susta	Sustainabile										Articulates with: PCC ES 140
mstract	.0173	Justin Stro	in, Adam Ensies, Anamie Reference (Blair Borax)	Field Biology	Che	Sustainable Foods	bile Practices	Harvest Work									
		students h	equired Courses are courses that once taken, the ave had exposure to the required Technical e and Skill Standards and would warrent the Technical	x	x	x	x										# Credit to complete - 3
			Credit Amount	1	1	1	1	5-1.	0								
Essenti al Skills (A-I)	AFNR Code	Oregon Code	Statewide Agricultural Educati	on	Ski	ill S	ets	5: K	ínow	led	ge 8	k Skil	lls S	stater	men	t	
			Agriculture Education Clus	ter													Statewide CC Dual Credi Courses
B, D	CRP.04	AG 02.01	Use oral and written communication skills in creating, expressing and interpreting agricultural information and ideas including technical terminology.	Х	Х	Х	Х	х									
C, E, F, H, G	CRP.08	AG 03.01	Solve agriculture problems using critical thinking skills (e.g., analyze, synthesize and evaluate, independently		Х	Х	Х	х									
F	CRP.11	AG 04.01	Use information technology tools to access, manage, integrate, create, and communicate agricultural	Х	Х	Х	Х	х									
B, D, E	CRP.09	AG 07.01	Use leadership skills in collaborating with others to accomplish agriculture related organizational goals	Χ	Х	Х	Х	х									
B, E	CRP.09	AG 08.01		Χ		Х	Х	Х									AG 111
E	CRP.01	AG 09.01	Know and understand the importance of employability skills for agricultural careers.		Х		Х	х									
F	CRP.11	AG 10.02	Use tools, equipment, machinery and technology to work in areas related to agriculture.	х	Χ	Х	Х	х									

C, E, H,	ABS.02	AG 11.01	Use economic principles to manage agriculture resources and produce products.			Х	Х	х					
			Focus Area: Plant / Horticul	tuı	re								Statewide CC Dual Credit Courses
E	PS.02	Plant 01.	Apply knowledge of plant classification, plant anatomy and plant physiology to the production and	х		х	х	х					
В	PS.01	Plant 02.	Prepare a plant management plan that addresses the influence of environmental factors, nutrients and soil	Х	Х	Х	Х	х					
F	PS.03	Plant 03.	Propagate, culture and harvest plants.	Χ	Х	Χ	Х	х					Crops Soils
E, G, H	PS.04	Plant 04.	Employ elements of design to enhance an environment.	х	х	Х	Х	х					1XX or Hort 1XX
E, G, H		Plant 06.	Horticulture standards and skills specific to Oregon's horticulture industry. Key words (hort, nursery, landscape, ornamental, turfgrass, turf, garden, botanical, greenhouse, green industry, Xeriscape)	х			Х	х					
			Focus Area: Animal Scien	ce									Statewide CC Dual Credit Courses
E	AS.06	ANS 02.	Classify, evaluate, select and manage animals based on anatomical and physiological characteristics.	Х			Х	Х					
E	AS.03 / AS.04 / AS.07	ANS 04.	Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.	х			Х	х					ANS 121
E	AS.02 / AS.05 / AS.08	ANS 08.	Analyze environmental factors associated with animal production.	х		Х	Х						
			Focus Area: Ag Business Mana	ger	ne	nt							Statewide CC Dual Credit Courses
C, E, H,	ABS.01	ABM 02.	Utilize appropriate management planning principles in Agriculture business enterprises.	х	х	Х	Х						
C, E	ABS.02	ABM 03.	Utilize record keeping to accomplish Agriculture business objectives while complying with laws and			Х	Х	х					

E, F PS	PST.01 / PST.02	ABM 05. PST 02.	Assess accomplishment of goals and objectives by an Agriculture business. Focus Area: Ag Mechani Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land			Х	Х	Х									Statewide CC
E, F P:	PST.02	PST 02.	Plan, operate, maintain and troubleshoot mechanical equipment, structures, biological systems, land														Statewide CC
E, F P:	PST.02	PST 02.	equipment, structures, biological systems, land	x	_												Dual Credit Courses
	PST.03		treatment, power and technology.	Ŷ	х	Х	Х	х									
F F D		PST 03.	Service and repair mechanical equipment and power systems.				Х	х									
L, I F.	PST.04	PST 04.	Plan, build and maintain agricultural structures.	х	х	Х	Х	х			\neg						Welding BMCC 1xx
E, F P	PST.05	PST 05.	Apply technology principles in the use of agricultural technical systems.	х	х	х	Х	х									. BIVICC 1XX
			Diploma Requirements/Career-Related L														FFFA
		•	Career Development	http	://w\	ww.oo	de.sta	te.or.	us/tea	chlea	arn/ce	ertific	ates/	diplon	na/ess	entia	l-skills-definitio
Career-Re	elated Le	earning Exp	periences/Employment Foundations			Χ	Х	Χ									
Extended						Χ	Х										
			Essential Skills/CRLS (merging in 2012)														
	•		riety of texts/Communication	Х	Х	Х	Х				_	4	4	_	-		
		•	//Communication	Х	Х						_	_					
			iety of settings		Х	Х	Х		_	_	_	_	_	4	+		
	-	ana speak ci and analytica	learly and coherently/Communication	Х	Χ	Х	Х					_	_				
	•	•	e and work/Communication	X	X X	X X	X X	Х			+	+	+	+	+		
			munity engagement	^	 ^	X	X	Х	-	\dashv	\dashv	+	+	+	+	\vdash	
		obal literacy	, , ,	х	х	x	Λ	^		\dashv	\dashv	+	+	+	+	1	
	_		gement and teamwork skills/Personal Management & Teamv		X	x	x	x	\dashv	\dashv	\dashv	\dashv	+	+	+	\vdash	