

2019

Skills-to-Course Matrix

Natural Resources

Creekside Community High School

Various including Mt. Hood Community College

Jun-19

Animal Systems Focus Area

Instructions: 1) Enter the Program of Study name above. 2) Enter your high school name. 3) Enter the community college name. 4) Enter the date. 5) Click on the cell for Course 1 Name, Course 2 Name, etc., and replace with your POS course names--secondary and first year of post-secondary. 6) Enter school course numbers. 7) Enter NCES code for the course (secondary only). 8) Enter number of credits awarded. 9) Identify those courses that trigger the TSA for this POS. 10) Finally, check those standards that are taught with intent and purpose, and are assessed in each course. Note: The optional Focus Area tabs below are included for those POSs that have a very specific industry focusare using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.

[illegible]

2019

Skills-to-Course Matrix

Natural Resources
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Various including Mt. Hood Community College
Jun-19

Environmental Service Systems Focus Area

Instructions: 1) Enter the Program of Study name above. 2) Enter your high school name. 3) Enter the community college name. 4) Enter the date. 5) Click on the cell for Course 1 Name, Course 2 Name, etc., and replace with your POS course names--secondary and first year of post-secondary. 6) Enter school course numbers. 7) Enter NCES code for the course (secondary only). 8) Enter number of credits awarded. 9) Identify those courses that trigger the TSA for this POS. 10) Finally, check those standards that are taught with intent and purpose, and are assessed in each course. Note: The optional Focus Area tabs below are included for those POSs that have a very specific industry focusare using those skill sets for multiple options in a Progam of Study or if you want to use another set of industry validated standards.

			Watersheds & Ecosystems	Plant Ecology	Sustainability	Restoration Ecology	[Course 5 Name]	[Course 6 Name]	[Course 7 Name]	[Course 8 Name]	[Course 9 Name]	[Course 10 Name]
Focus Area Knowledge and Skills (CTE standards)			18504-1	18504-2	18504-3	18504-4	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			18504	18504	18504	18504	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			0.75	0.75	0.75	0.75	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
			N	N	N	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
CCTC*	Code Number	KS Statement										
AG-ENV 1	AGEV01	Use analytic procedures and instruments to manage environmental systems activities.	x	x	x	x						
AG-ENV 2	AGEV02	Evaluate the impact of public policies and regulations on environmental services facility operations.	x	x	x	x						
AG-ENV 3	AGEV03	Develop proposed solutions to environmental issues, problems, and applications using scientific principles of meteorology, soil science, hydrology, microbiology, chemistry, and ecology.		x	x	x						
AG-ENV 4	AGEV04	Demonstrate the operation of environmental service systems (e.g., pollution control, water treatment, wastewater treatment, solid waste management, and energy conservation).	x	x	x	x						
AG-ENV 5	AGEV05	Use tools, equipment, machinery, and technology common to tasks in environmental system services.	x	x	x	x						

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Jun-19

Food Production & Processing Focus Area

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Natural Resources Focus Area

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			18504	18504	18504	18504	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			0.75	0.75	0.75	0.75	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	N	N	N	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
AG-NR 1	AGNR01	Plan and conduct natural resource management activities that apply logical, reasoned, and scientifically based solutions to natural resource issues and goals.	x	x	x	x						
AG-NR 2	AGNR02	Analyze interrelationships between natural resources and humans needed to manage natural resource systems.	x	x	x	x						
AG-NR 3	AGNR03	Develop plans to ensure responsible and sustainable production and processing of natural resources.										
AG-NR 4	AGNR04	Demonstrate responsible control and management procedures and techniques to protect or maintain natural resources.	x	x	x	x						

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Plant Systems Focus Area

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Focus Area Knowledge and Skills (CTE standards)			18504-1	18504-2	18504-3	18504-4	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			18504	18504	18504	18504	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			0.75	0.75	0.75	0.75	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	N	N	N	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
AG-PL 1	AGPL01	Develop and implement a crop management plan for a given production goal that accounts for environmental factors.										
AG-PL 2	AGPL02	Apply the principles of classification, plant anatomy, and plant physiology to plant production and management.	x	x	x	x						
AG-PL 3	AGPL03	Propagate, culture, and harvest plants and plant products based on current industry standards.	x	x	x	x						
AG-PL 4	AGPL04	Apply principles of design in plant systems to enhance an environment (e.g., floral, forest, landscape, and farm).	x	x	x	x						

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Skills-to-Course Matrix

[CTE Program of Study Name]

Creekside Community High School

[Community College Name]

[Date]

Power, Structural & Technical Systems Focus Area

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[illegible]

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Skills-to-Course Matrix

[CTE Program of Study Name]

Creekside Community High School

[Community College Name]

[Date]

Forestry & Forest Products Focus Area

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Agriculture, Food & Natural Resources Cluster

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			18504-1	18504-2	18504-3	18504-4	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			18504	18504	18504	18504	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			0.75	0.75	0.75	0.75	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
			N	N	N	Y	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]	[TSA--Y or N?]
Cluster Knowledge and Skills (CTE standards)												
CCTC*	Code Number	KS Statement										
AG 1	AG01	Analyze how issues, trends, technologies, and public policies impact systems in the Agriculture, Food & Natural Resources Career ClusterTM.	x	x	x	x						
AG 2	AG02	Evaluate the nature and scope of the Agriculture, Food & Natural Resources Career ClusterTM and the role agriculture, food, and natural resources (AFNR) play in society and the economy.	x	x	x	x						
AG 3	AG03	Examine and summarize importance of health, safety, and environmental management systems in AFNR organizations.	x	x	x	x						
AG 4	AG04	Demonstrate stewardship of natural resources in AFNR activities.	x	x	x	x						
AG 5	AG05	Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources Career Pathways.			x	x						
AG 6	AG06	Analyze the interaction among ANFR systems in the production, processing and management of food, fiber, and fuel and sustainable use of natural resources.	x	x	x	x						

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Agribusiness Systems Focus Area

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<div>year of post-secondary. 6) Enter school course numbers. 7) Enter NCES code for the course (secondary only). 8) Enter number of credits awarded. 9) Identify those courses that trigger the TSA for this POS. 10) Finally, check those standards that are <u>taught with intent and purpose</u>, and are <u>assessed</u> in each course. Note: The optional Focus Area tabs below are included for those POSs that have a very specific industry focus/are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.</div>		<div>Watersheds & Ecosystems</div> <div>Plant Ecology</div> <div>Sustainability</div> <div>Restoration Ecology</div> <div>[Course 5 Name]</div> <div>[Course 6 Name]</div> <div>[Course 7 Name]</div> <div>[Course 8 Name]</div> <div>[Course 9 Name]</div> <div>[Course 10 Name]</div>									
		18504-1	18504-2	18504-3	18504-4	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
		18504	18504	18504	18504	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
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CCTC*	Code Number	KS Statement									
		Focus Area Knowledge and Skills (CTE standards)									
AG-BIZ 1	AGBZ01	Apply management planning principles in AFNR business enterprises.									
AG-BIZ 2	AGBZ02	Use record keeping to accomplish AFNR business objectives, manage budgets, and comply with laws and regulations.									
AG-BIZ 3	AGBZ03	Manage cash budgets, credit budgets, and credit for an AFNR business using generally accepted accounting principles.									
AG-BIZ 4	AGBZ04	Develop a business plan for an AFNR enterprise or business unit.									
AG-BIZ 5	AGBZ05	Use sales and marketing principles common to agribusiness systems to accomplish AFNR business objectives.									