Skills-to-Course Matrix

[CTE Program of Study Name]
[High School Name]
[Community College Name]
[Date]

Forestry & Forest Products 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,

secondary.	6) Enter scho	d replace with your POS course namessecondary and first year of post- ol course numbers. 7) Enter NCES code for the course (secondary only).										
10) Finally, each course very specifi	check those se. Note: The condustry foc	Is awarded. 9) Identify those courses that trigger the TSA for this POS, standards that are taught with intent and purpose, and are assessed in optional Focus Area tabs below are included for those POSs that have a iusare using those skill sets for multiple options in a Progam of Study or if set of industry validated standards.	Course Marie	(Course 2 Marie)	(Course 3 Marke)	Course A Marie	(Course & Marie)	(Course & Marine)	Course Warrel	LCGUES & Marine	(Course 9 Marie)	Course to Harrie
			[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
	<u>Focu</u>	s Area Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]
AG-FFP 1	AGFP01	Describe the ecological concepts and principles; investigate and explain the relationships between these principles and AGFPest development.										
AG-FFP 2	AGFP02	Illustrate Oregon's diverse AGFPests including history, cultural uses, AGFPest types, policies, and industry.										
AG-FFP 3	AGFP03	Explain the human/natural resources relationships when implementing AGFPest management activities.										
AG-FFP 4	AGFP04	Demonstrate skills essential AGFPleadership and citizenship responsibilities.										
AG-FFP 5	AGFP05	Demonstrate skills in career research, planning, and preparation.										
AG-FFP 6	AGFP06	Document and describe AGFPest production practices and timber processing procedures.										
AG-FFP 7	AGFP07	Summarize and explain applications of appropriate AGFPest health practices.										
AG-FFP 8	AGFP08	Identify multi_use principles to AGFPests and associated lands (to include wild life, fish, recreation, water, energy, air, carbon and ect).										
AG-FFP 9	AGFP09	Apply cartographic (map) skills to AGFPest management activities.										
AG-FFP 10	AGFP10	Apply AGFPest mensuration techniques.										
AG-FFP 11	AGFP11	Prepare a business plan using accepted business management principles used in the production, processing, marketing and transportation of AGFPest project / products.										

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name] [Community College Name] [Date]

CCTC* Code Number

AG 1

AG 2

AG 3

AG 4

AG 5

AG 6

AG01

AG02

AG04

Agriculture, Food & Natural Resources Cluster

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 fociusare using those skill sets for mu options in a Progam of Study or if you want to use another set of industry validated s

Analyze the interaction among ANFR systems in the production, processing and

management of food, fiber, and fuel and sustainable use of natural resources.

Agriculture, Food & Natural Resources Career Pathways.

	e a very specific industry fociusare using those skill sets for multiple of Study or if you want to use another set of industry validated standards.	ICOURSE 1 K	ICOMSe 2 K	ICOUISE 3 K	ICOUISE A M	(Course 5 K	ICOUISE & W	ICOUISE TH	ICOUISE & M	ICOUISE 9 M	Conte to	
		[Course Number]										
		[NCES Code]										
9	Cluster Knowledge and Skills (CTE standards)	[# of Credits]										
ber	KS Statement	[TSAY or N?]										
	Analyze how issues, trends, technologies, and public policies impact systems in the Agriculture, Food & Natural Resources Career ClusterTM.											
	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.											
	Examine and summarize importance of health, safety, and environmental management systems in AFNR organizations.											
	Demonstrate stewardship of natural resources in AFNR activities. Describe career opportunities and means to achieve those opportunities in each of the											

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name]
[Community College Name]
[Date]

Agribusiness 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 fociusare using those skill sets for
multiple options in a Progam of Study or if you want to use another set of industry validated

purpose, and included for	d are <u>assessed</u> those POSs th	Finally, check those standards that are taught with intent and in each course. Note: The optional Focus Area tabs below are at have a very specific industry fociusare using those skill sets for m of Study or if you want to use another set of industry validated	[Course Marie	(Course 2 Marie)	(Course 3 Marrel	(Course a Marie)	(Course 5 Marie)	LCOUISE & METHE!	(Course Twans)	(Course & Marie)	[Course 9 Maries]	Course to Martel
	-		[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
	Focus A	rea Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]
		Apply management planning principles in AFNR business enterprises.										
AG-BIZ 1	AGBZ01											
AG-BIZ 2	AGBZ02	Use record keeping to accomplish AFNR business objectives, manage budgets, and comply with laws and regulations.										
AG-BIZ 3		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		Use sales and marketing principles common to agribusiness systems to accomplish AFNR business objectives.	·		·	·		·				

Skills-to-Course Matrix

[CTE Program of Study Name]

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 postsecondary. 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 fociusare using those skill sets for

only). 8) Ér POS. 10) F assessed i POSs that	nter number of inally, check the n each course. have a very sp	or course furnities. 'A Pentil' Nesse courses that trigger the TSA for this nose standards that are taught with intent and purpose, and are Note: The optional Focus Area tabs below are included for those ecific industry fociusare using those skill sets for multiple options in a want to use another set of industry validated standards.	(Course Marie)	(Course 2 Marine)	(Course 3 Martie)	Course a Marine	Course & Harnes	Conte e Hatte	Course Thames	Course 8 Martie	Course 9 Maries	Conte to Hamel
			[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
	<u>Focus</u>	Area Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	[TSA-Y or N?]	[TSAY or N?]	[TSA-Y or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSA-Y or N?]	[TSAY or N?]	[TSAY or N?]	[TSA-Y or N?]
AG-ANI 1	AGAN01	Analyze historic and current trends impacting the animal systems industry.										
AG-ANI 2		AGAN02										
AG-ANI 3		Design and provide proper animal nutrition given desired outcomes for performance, development, reproduction, and/or economic production.										
AG-ANI 4	AGAN04	Apply principles of animal reproduction given desired outcomes for performance, development, and/or economic production.										
AG-ANI 5		Evaluate environmental factors affecting animal performance and implement procedures for enhancing performance and animal health.										
AG-ANI 6		Classify, evaluate and select animals based on anatomical and physiological characteristics.										
AG-ANI 7	AGAN07	Apply principles of effective animal health care.										

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name]
[Community College Name]
[Date]

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 fociusare using those skill sets for multiple options in a Progam of Study or if you want to use another set of industry validated standards.

included for	those POSs th	at have a very specific industry fociusare using those skill sets for m of Study or if you want to use another set of industry validated	Course 1 Mai.	Course 2 Mail	(Course 3 Mail	Course a Mair	(Course 5 Main	Contee War	(Course 7 Man	(Course 8 Man	(Course of Man.	(Course to Ma
			[Course Number]									
			[NCES Code]									
	Focus Ar	ea Knowledge and Skills (CTE standards)	[# of Credits]									
CCTC*	Code Number	KS Statement	[TSAY or N?]									
AG-ENV 1	AGEV01	Use analytic procedures and instruments to manage environmental systems activities.										
AG-ENV 2		Evaluate the impact of public policies and regulations on environmental services facility operations.										
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.										
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).										
AG-ENV 5	AGEV05	Use tools, equipment, machinery, and technology common to tasks in										

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name] [Community College Name] [Date]

Code Number

AGFD04

CCTC*

AG-FD 1

AG-FD 2

AG-FD 3

AG-FD 4

Food Production & Processing 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 fociusare using those skill sets for multiple options in a Progam of Study or if you want to use anoth

developments of food products and processing.

hat have a	h course. Note: The optional Focus Area tabs below are included for very specific industry fociusare using those skill sets for multiple tudy or if you want to use another set of industry validated standards.	(Course 1 Marie)	(Course 2 Maries	(Course 3 Maries)	(Course a Marie)	(Course 5 Maries)	(Course 6 Marie)	Course 1 Maries	Course S Maries	(Course 9 Maries)	Ecouse to Hame,	
		[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	
		[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	
Focus	Area Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	
ode Number	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSA-Y or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	
	Develop and implement procedures to ensure safety, sanitation, and quality in food product and processing facilities.											
	Apply principles of nutrition, biology, microbiology, chemistry, and human behavior to development of food products.											
AGFD03	Select and process food products for storage, distribution, and consumption.	·						·	·			
AGED04	Explain the scope of the food industry and the historical and current											

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name] [Community College Name] [Date]

CCTC* Code Number

AG-NR 1

AG-NR 2

AG-NR 3

AG-NR 4

Natural Resources 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 Are are included for those POSs that have a very specific industry fociusare using sets for multiple options in a Progam of Study or if you want to use another se validated standards.

for those Po	sessed in each course. Note: The optional Focus Area tabs below OSs that have a very specific industry fociusare using those skill in a Progam of Study or if you want to use another set of industry	KCOUPS O Marite.	Course 2 Martie.	(Course 3 Marrie	Course a Marrie	(Course 5 Maries	Course 6 Martie.	Course 7 Martie.	LCourse & Martie	Course 9 Marie.	(Course to Main	
		[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	
		[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	
Focus A	Area Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	
Code Number	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	
AGNR01	Plan and conduct natural resource management activities that apply logical, reasoned, and scientifically based solutions to natural resource issues and goals.											
	Analyze interrelationships between natural resources and humans needed to manage natural resource systems.											
	Develop plans to ensure responsible and sustainable production and processing of natural resources.					·						
	Demonstrate responsible control and management procedures and techniques to protect or maintain natural resources.											

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name]
[Community College Name] [Date]

Code Number

AGPL01

AGPL02

AGPL03

AGPL04

сстс*

AG-PL 1

AG-PL 2

AG-PL 3

AG-PL 4

Plant 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 ver specific industry fociusare using those skill sets for multiple options in a Progam of Stud or if you want to use another set of industry validated standards.

Focus Area Knowledge and Skills (CTE standards)

(e.g., floral, forest, landscape, and farm).

th gh cu:	of post-secondary, 6) Enter school course numbers, 7) Enter see (secondary only). 8) Enter number of credits awarded. 9) that trigger the TSA for this POS. 10) Finally, check those the twith intent and purpose, and are assessed in each course. It with intent and purpose, and are assessed in each course. It with intent and purpose, and are assessed in each course. It will be a very re using those skill sets for multiple options in a Progam of Study other set of industry validated standards.	(Codree 1 Merre)	(Course 2 Marnel)	(Course 3 Martie)	(Course a Marne)	(Course Swans)	Legues & Martel	(Course Thanks)	Contro & Warter	LCourse 9 Merines	Conte to Hatte	
		[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	
		[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	
Α	rea Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	
er	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	
	Develop and implement a crop management plan for a given production goal that accounts for environmental factors.											
	Apply the principles of classification, plant anatomy, and plant physiology to plant production and management.											
	Propagate, culture, and harvest plants and plant products based on current industry standards.											
Ī	Apply principles of design in plant systems to enhance an environment											

Skills-to-Course Matrix

[CTE Program of Study Name]

[High School Name]
[Community College Name]
[Date]

Power, Structural & Technical Systems Focus Area

Power, structural & Technical 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
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and are assessed in each course. Note: The optional Focus Area tabs below are included for
those POSs that have a very specific industry fociusare using those skill sets for multiple
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and are as those POS	sessed in eacl	nally, check those standards that are <u>taugnt with intent and purpose</u> , no course. Note: The optional Focus Area tabs below are included for very specific industry fociusare using those skill sets for multiple tudy or if you want to use another set of industry validated standards.	LCOUTE NHAME!	LCOURS 2 Name 1	(Course 3 Marie)	(Course a Marie)	(Course 5 Marie)	(Course & Marke)	(Course Themes)	(Course a Marie)	(Course 9 Maries)	(Course to Harnes)
			[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
	Focus	Area Knowledge and Skills (CTE standards)	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]	[TSAY or N?]
AG-PST 1		Apply physical science principles and engineering applications related to mechanical equipment, structures, and biological systems to solve problems and improve performance in AFNR power, structural, and technical systems.										
AG-PST 2	AGPT02	Operate and maintain mechanical equipment related to AFNR power, structural, and technical systems.										
AG-PST 3	AGPT03	Service and repair mechanical equipment and power systems used in AFNR power, structural, and technical systems.										
AG-PST 4	AGPT04	Plan, build, and maintain AFNR structures.										
AG-PST 5	AGPT05	Use control, monitoring, geospatial, and other technologies in AFNR power,										