

2019

Skills-to-Course Matrix

Sustainable Agriculture

Creekside Community Highschool

6/12/2019

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 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.

			Farming I	Farming II	Farming Leadership Capstone Project	[Course 4 Name]	[Course 5 Name]	[Course 6 Name]	[Course 7 Name]	[Course 8 Name]	[Course 9 Name]	[Course 10 Name]
			[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]
			1	1	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
Cluster Knowledge and Skills (CTE standards)			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?]	[TSA--Y or N?]	[TSA--Y or N?]
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								
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								
AG 3	AG03	Examine and summarize importance of health, safety, and environmental management systems in AFNR organizations.	X	X								
AG 4	AG04	Demonstrate stewardship of natural resources in AFNR activities.		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							

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Agribusiness Systems Focus Area

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Focus Area Knowledge and Skills (CTE standards)			18001	18003	18097	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
			18001	18003	18097	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]	[NCES Code]
			1	1	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
CCTC*	Code Number	KS Statement	N	Y	N	[TSA--Y or N?]	[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-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.		X								
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.		X								
AG-BIZ 5	AGBZ05	Use sales and marketing principles common to agribusiness systems to accomplish AFNR business objectives.		X								

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## Animal Systems Focus Area

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**6/12/2019**

## Environmental Service Systems Focus Area

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Food Production & Processing Focus Area

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			1	1	1	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]	[# of Credits]
Focus Area Knowledge and Skills (CTE standards)			N	Y	N	[TSA--Y or N?]	[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-FD 1	AGFD01	Develop and implement procedures to ensure safety, sanitation, and quality in food product and processing facilities.	X	X								
AG-FD 2	AGFD02	Apply principles of nutrition, biology, microbiology, chemistry, and human behavior to development of food products.	X	X								
AG-FD 3	AGFD03	Select and process food products for storage, distribution, and consumption.	X	X								
AG-FD 4	AGFD04	Explain the scope of the food industry and the historical and current developments of food products and processing.	X	X								

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## Natural Resources Focus Area

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Plant Systems Focus Area

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Focus Area Knowledge and Skills (CTE standards)			18001	18003	18097	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]	[Course Number]
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			N	Y	N	[TSA--Y or N?]	[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-PL 1	AGPL01	Develop and implement a crop management plan for a given production goal that accounts for environmental factors.	X	X	X							
AG-PL 2	AGPL02	Apply the principles of classification, plant anatomy, and plant physiology to plant production and management.										
AG-PL 3	AGPL03	Propagate, culture, and harvest plants and plant products based on current industry standards.	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							

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## Power, Structural & Technical Systems Focus Area

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