

2019

Skills-to-Course Matrix

Drafting Technology

St Helens High School

Portland Community College

2/28/2019

Engineering Technology 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 Progam of Study or if you want to use another set of industry validated standards.

			Drafting 1	Drafting 2	Drafting 2	Drafting 3	Drafting 3	Drafting 4	Drafting 4	CADD 160	CADD 175	CADD 126
			21102	211061	211062	2110331	2110332	2110341	2110342	25326	13186	25328
			21102	21106	21106	21103	21103	21103	21103			
			0.5	0.5	0.5	0.5	0.5	0.5	0.5	4	3	3
Cluster Knowledge and Skills (CTE standards)			N	N	N	N	Y	N	N			
CCTC*	Code Number	KS Statement										
	EN01	Use effective communication skills with a variety of audiences.				X	X	X	X	X	X	X
	EN02	Exhibit integrity and professionalism in engineering cluster occupations.	X	X	X	X	X	X	X	X	X	X
	EN03	Use technology such as computers and design software to solve engineering problems.	X	X	X	X	X	X	X	X	X	X
	EN04	Understand and use applied mathematics and science for engineering cluster careers.	X	X	X	X	X	X	X	X	X	X
	EN05	Develop and implement a career plan within the engineering cluster occupations.						X	X			
	EN06	Use teamwork, critical thinking and problem solving skills to address complex problems in engineering.					X	X	X	X	X	X
	EN07	Understand the role of engineering in society throughout history and how it is affected by economics, regulations, politics, and corporate culture.										
	EN08	Apply design principles and life-cycle methodology to create products, systems, and processes using appropriate technology.				X	X	X	X	X	X	X
	EN09	Understand the impact personal characteristics, such as creativity, resourcefulness, the ability to visualize and the ability to think abstractly have on engineers and their ability to design.				X	X	X	X	X	X	X
	EN10	Understand and adhere to safety, health, and environmental standards and regulations.							X		X	X

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[illegible]

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