

**Portland Community College
Engineering
12/1/2016**

2016

Instructions: 1) Enter your high school name above. 2) Enter the community college name. 3) Enter the Program of Study name. 4) Enter the date. 5) Click on Course 1, Course 2, etc. below and replace with your POS course names (or numbers). 6) Check those courses that trigger the TSA for this POS. 7) Finally, check those standards that are taught with intent and purpose, and are assessed in each course. Note: You only need to use the optional Focus Area tabs below if you are using those skill sets for multiple options in a Program of Study or if you

EET 101

EET 111

EET 121

EET 112

EET 122

EET 113

EET 123

EET 178

EET 188

[illegible]

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EET 101 EET 111 EET 121 MTH 111 EET 112 EET 122 MTH 112 EET 113 EET 123 EET 178 EET 188

[illegible]

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EET 112

EET 122

MTH 112

EET 113

EET 123

EET 178

EET 188

[illegible]

High School Name:
Community College Name: **Portland Community College**
CTE Program of Study Name: **Engineering**
Date: **12/1/2016**

Electrical Systems Focus Area

2016

Skills-to-Course Matrix

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Focus Area Knowledge and Skills (CTE standards)

CCTC	Code Number	KS Statement	EET 101 TSA?	EET 111 TSA?	EET 121 TSA?	EET 112 TSA?	EET 122 TSA?	EET 113 TSA?	EET 123 TSA?
	ENES01	Understand and apply electrical theory and laws.			X			X	
	ENES02	Demonstrate knowledge and application of transistors.	X	X		X	X	X	X
	ENES03	Understand and apply circuit concepts and analysis techniques.			X	X	X		X
	ENES04	Demonstrate knowledge of circuit design and fabrication.	X	X		X	X		
	ENES05	Understand and apply digital concepts and circuitry.		X		X	X		X
	ENES06	Demonstrate knowledge of power sources and power supplies.	X	X		X	X	X	
	ENES07	Demonstrate knowledge of communication systems.	X		X		X		
	ENES08	Understand and perform skills for system integration and amplification.		X					X
	ENES09	Communicate using symbols, measurements, conventions, icons, and graphic images.		X	X	X	X	X	X

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Manufacturing Systems Focus Area

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