Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School Portland Community College 19-Mar

CCTC* Code Number

AC 1

AC 2

AC 3

AC 4

AC 5

AC 6

AC 7

AC01

AC02

AC03

AC04

AC05

AC06

AC07

Architecture & Construction Cluster

<u>Instructions</u>: 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 multiple options in a Progam of Study or if you want to use another set of industry validated standards.

construction careers.

f c tho e: try	school course numbers. 7) Enter NCES code for the course (secondary only). Tredits awarded. 9) Identify those courses that trigger the TSA for this POS. Uses standards that are taught with intent and purpose, and are assessed in The optional Focus Area tabs below are included for those POSs that have a processor of those skill sets for multiple options in a Progam of Study or if ther set of industry validated standards.	Architecture Design	Architecture Design A	Architecture Design 26	Architecture Design 2	S Construction	Drafting 1	Dratting 2	Woodworking?	Woodworking 2	
		A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X	
		05192	05192	05192	05192	17002	21102	21102	17006	17006	
	Cluster Knowledge and Skills (CTE standards)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
er	KS Statement	N	N	N	N	Υ	N	N	N	N	
	Use vocabulary, symbols, and formulas commonly used in design and construction.	Х	х	x	X	X			x	х	
	Use architecture and construction skills to create and manage a project.	Х	Х	Х	Х	Х			Х	Х]
	Comply with regulations and applicable codes to establish and manage a legal and safe workplace/jobsite.	X	Х	Х	X	X			Х	X	
	Understand the nature and scope of the Architecture &Construction Career Cluster [™] and the role architecture and construction play in society and the economy.		X		X	X					
	Understand the roles and responsibilities among trades and professions, including labor/management relationships.	X	Х	Х	Х	Х					
	Read, interpret, and use technical drawings, documents, and specifications to plan a project.	X	Х	Х	Х	Х		Х	Х	X	
	Evaluate a wide range of career pathway opportunities for success in architecture and										

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Architectural Drafting/Construction

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ACCR07

ACCR08

ACCR09

ACCR10 ACCR11

ACCR12

ACCR13

ACCR14

ACCR16

ACCR17

ACCR18

Carpentry 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.

Cluster Knowledge and Skills (CTE standards)

Indentify and install wall and ceiling framing.

Identify and install roof framing and roofing.

Complete basic stair layout and construction.

Install windows and exterior doors.

Prepare foundations and flatwork.

Install thermal and moisture protection.

Handle and place concrete.

Install exterior finishing.

Install interior doors.

Install interior trim.

Install cabinets.

Install concrete reinforcing materials and forms.

Read plans and elevations.

Identify and install floor systems.

Identify building materials, fasteners, adhesives, and their uses.

Conduct distance measurement and leveling for site layout.

Describe properties and testing methods for concrete.

KS Statement

ger	-sign n	. sign re	, sign an	e idn 26					0
re s for ed	Architecture Design 1A	Architecture Design A	Architecture Design 2A	Architecture Design 28	Construction	Drafting 1	Drafting 2	Woodworking 1	Moodworking2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	N	N	N	Υ	N	N	N	N
		Х		Х	Х			Х	Х
	X	X	X	Х	Χ			X	X
					Х				
					X				
					X				
					Х				
					^				
					Χ				
					Χ				
					Χ				
	1		1						1

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School Portland Community College 19-Mar

Code Number

ACCS01

ACCS02

ACCS03

ACCS04

ACCS05

ACCS06

ACCS07

ACCS08

ACCS09

CCTC*

AC-CST 1

AC-CST 2

AC-CST 3

AC-CST 4

AC-CST 5

AC-CST 6

AC-CST 7

AC-CST 8

AC-CST 9

Construction Management 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 <u>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 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.

Cluster Knowledge and Skills (CTE standards)

to accomplish construction project goals.

er te 0)	school course numbers. 7) Enter NCES code for the course or number of credits awarded. 9) Identify those courses that trigger (a) Finally, check those standards that are taught with intent and the ed in each course. Note: The optional Focus Area tabs below are that have a very specific industry fociusare using those skill sets for pam of Study or if you want to use another set of industry validated	Architecture Design 1A	Architecture Design AB	Architecture Design 2A	Architecture Design 28	Construction	Drafting 1	Dratting ²	Moodworking?	Modworking 2	
		A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X	
		05192	05192	05192	05192	17002	21102	21102	17006	17006	
st	ter Knowledge and Skills (CTE standards)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
er	KS Statement	N	N	N	N	Y	N	N	N	N	
	Understand contractual relationships with all parties involved in the building process to ensure successful build of a project. Understand approval procedures to ensure effective flow of information in the construction process. Understand and implement testing and inspection procedures to ensure successful completion of a construction project. Understand the purpose of scheduling as it relates to the successful completion of a construction project. Understand and apply practices and procedures required to maintain jobsite safety.										
	Manage relationships with internal and external parties to successfully complete construction projects. Compare and contrast the building systems and components for a given project. Demonstrate the construction crafts required for each phase of a given project.										
_	Safely use and maintain appropriate tools, machinery, equipment, and resources										

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School Portland Community College 19-Mar

Code Number

ACDP01

ACDP02

ACDP03

ACDP04

ACDP06

ACDP08

CCTC*

AC-DES 1

AC-DES 2

AC-DES 3

AC-DES 4

AC-DES 5

AC-DES 6

AC-DES 7

AC-DES 8

Design/Pre-construction Focus Area

<u>Instructions</u>: 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 <u>assessed</u> 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 option in a Progam of Study or if you want to use another set of industry validated standards.

Cluster Knowledge and Skills (CTE standards)

the selection and use of construction materials, components, and assemblies for

te in ch	r number of credits awarded. 9) Identify those courses that trigger the ally, check those standards that are taught with intent and purpose, a course. Note: The optional Focus Area tabs below are included for very specific industry fociusare using those skill sets for multiple options you want to use another set of industry validated standards.	Architecture Design 1A	Architecture Design 18	Architecture Design 2A	Architecture Design 26	Construction	Drafting 1	Drafting 2	Moodworking,	woodworking?
		A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
		05192	05192	05192	05192	17002	21102	21102	17006	17006
ıs	ter Knowledge and Skills (CTE standards)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
be	KS Statement	N	N	N	N	Υ	N	N	N	N
1	Justify design solutions through the use of research documentation and analysis of data.									
2	Use effective communication skills and strategies (listening, speaking, reading, writing, and graphic communications) to work with clients and colleagues.	Х	X	х	х					
3	Understand the integral systems that impact the design of buildings and structures.	Х	Х	х	Х					
4	Apply building codes, laws, and rules in the design and construction of projects.	Х	Х	х	Х					
5	Identify the diversity of needs, values, and social patterns in project design, including accessibility standards, to appropriately meet client needs.		Х		Х					
6	Apply the techniques and skills of modern drafting, design, engineering, and construction to projects.	Х	Х	х	Х			Х		
7	Employ appropriate representational media to communicate concepts and design.									
	Apply principles, conventions, standards, applications, and restrictions pertaining to									

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School
Portland Community College
19-Mar

CCTC* Code Number

ACLV01 ACLV02

ACLV03

ACLV04 ACLV05

ACLV06

ACLV07

ACLV08

ACLV09

ACLV10

ACLV11

Low Voltage Electricity 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.

Focus Area Knowledge and Skills (CTE standards)

Understand semiconductors and integrated circuits.

Prepare and install low-voltage cabling.

Understand power quality and grounding.

Understand switching devices and timers.

Install rack systems for electronic equipment.

Prepare wire and cable terminations.

Use test equipment.

Install pathways and spaces for low-voltage electrical systems.

Understand codes and standards related to low-voltage electrical.

Conduct maintenance and repair on low-voltage electrical systems.

Use computer applications in low-voltage electrical systems.

KS Statement

,									
е	sign 1A	. gign	gign 2A	. Sign 28					•
ns	Architecture Design 1A	Architecture Design 18	Architecture Design 2A	Architecture Design 28	Construction	Drafting 1	Drafting 2	Woodworking,	Woodworking 2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	N	N	N	Υ	N	N	N	N
					Х				
					Х				
					Χ				
					X				
					X				
					X				
					X				
					X				
					X				

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School Portland Community College 19-Mar

Code Number

COMO01

COMO02

COMO03

COMO04

COMO05

COMO06

CCTC*

AC-MO 1

AC-MO 2

AC-MO3

AC-MO 4

AC-MO 5

AC-MO 6

Maintenance & Operations Focus Area

<u>Instructions</u>: 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 stand 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 want to use another set of industry validated standards.

Focus Area Knowledge and Skills (CTE standards)

m se ar th er b	munity college name. 4) Enter the date. 5) Click on the cell for 2 Name, etc., and replace with your POS course names of post-secondary. 6) Enter school course numbers. 7) Enter se (secondary only). 8) Enter number of credits awarded. 9) at trigger the TSA for this POS. 10) Finally, check those standards at and purpose, and are assessed in each course. Note: The selow are included for those POSs that have a very specific those skill sets for multiple options in a Progam of Study or if you of industry validated standards.	Architecture Design AP	Architecture Design AE	Architecture Design 2A	Architecture Design 2	S Construction	Drafting 1	Drating 2	Moodworking 1	Woodworking?
		A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
		05192	05192	05192	05192	17002	21102	21102	17006	17006
Δ	rea Knowledge and Skills (CTE standards)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
er	KS Statement	N	N	N	N	Υ	N	N	N	N
	Recognize and employ universal construction signs and symbols to function safely in the workplace. Use troubleshooting procedures when solving a maintenance problem to					Х				
	maintain buildings and structures.									
	Apply construction skills when repairing, restoring, or renovating existing structures.									
	Determine work required to repair or renovate an existing building or structure.									
	Plan and practice preventative maintenance activities to service existing structures.									
	Maintain and inspect building systems to achieve safe and efficient operation of									

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School Portland Community College 19-Mar

Code Number

ACMS01

ACMS02

ACMS03

ACMS04

ACMS05 ACMS06

ACMS07 ACMS08

ACMS09

ACMS10

ACMS11

ACMS12

ACMS13

CCTC*

Masonry Focus Area

<u>Instructions</u>: 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.

Focus Area Knowledge and Skills (CTE standards)

Repair and restore masonry structures.

munity college name. 4) Enter the date. 5) Click on the cell for 2 Name, etc., and replace with your POS course names of post-secondary. 6) Enter school course numbers. 7) Enter se (secondary only). 8) Enter number of credits awarded. 9) set trigger the TSA for this POS. 10) Finally, check those t with intent and purpose, and are assessed in each course. See Area tabs below are included for those POSs that have a fusare using those skill sets for multiple options in a Progam of see another set of industry validated standards.	Architecture Design 16	Architecture Design AP	Architecture Design 26	Architecture Design 26	Construction	Drafting 1	Drafting ²	woodworking?	woodworking 2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
ea Knowledge and Skills (CTE standards)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
KS Statement	N	N	N	N	Υ	N	N	N	N
Understand safe use of equipment in elevated masonry work.									
Perform appropriate construction inspection and quality control.									
Understand the safe use of equipment and materials in high-rise construction work.									
Use appropriate masonry tools and equipment.					Х				
Understand the components of mortar and how to mix those components properly.					х				
Understand masonry units and installation techniques.					Х				
Apply masonry techniques to residential construction.					Х				
Understand and use appropriate techniques for reinforced masonry.					Х				
Understand how metal work is used in masonry.					Х				
Apply advanced masonry laying techniques.					Х				
Understand the relationships between masonry construction techniques and moisture control.									
Apply appropriate masonry construction techniques to a variety of materials and conditions.									

Skills-to-Course Matrix

Architectural Drafting/Construction

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CCTC* Code Number

ACPL01

ACPL02

ACPL03

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ACPL06

ACPL07

ACPL08

ACPL09

ACPL10

Plumbing 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.

Focus Area Knowledge and Skills (CTE standards)

Prepare and install building drainage systems.

Perform general plumbing practices.

Layout and install water supply lines.

Conduct plumbing service and repair.

Prepare and install vents.

Prepare and install traps.

Join pipes and fittings.

Install plumbing fixtures.

Install hot water systems.

Perform safety inspections.

KS Statement

ery idy	Architecture Design 16	Architecture Design At	Architecture Design 26	Architecture Design 21	Construction	Orating 1	Orating 2	Woodworking,	Woodworking 2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	N	N	N	Υ	N	N	N	N
					Х				
					X				
					X				
					X				
					Х				
					X				
					X				

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School
Portland Community College
19-Mar

Code Number

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ACRE09 ACRE10

ACRE11

ACRE12

ACRE13

ACRE15

ACRE16 ACRE17

ACRE18

ACRE19 ACRE20

ACRE21

ACRE23

ACRE24 ACRE25

ACRE27

ACRE28

CCTC*

Residential Electric 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.

Focus Area Knowledge and Skills (CTE standards)

Prepare electrical conduit for installation.

Indentify and Install fasteners and anchors.

Read and understand electrical blueprints.

Understand the principles of grounding.

Understand circuit breakers and fuses.
Understand contactors and relays.

Prepare conductor terminations and splices.

Calculate loads for branch and feeder circuits.

Determine appropriate overcurrent protection.

Understand requirements for wiring devices.

Understand and inspect distribution equipment.

Complete high voltage terminations and splices.

Understand requirements for raceway, box, and fitting fill.

Use appropriate wiring methods for hazardous locations.

Identify and install heat tracing and freeze protection systems.

Understand the purpose and function of lamps, ballasts, and their

Install wiring in residential settings.

Install boxes and fittings.

Install electrical services.

Install electric lighting

ACRE26 Identity practical lighting requirements.

Select appropriate conductors.

Install raceways, boxes, cable trays, and fittings.

Understand how to use the National Electrical Code®

Install wiring in switches and enclosures in commercial settings.

Use electrical test equipment.

Install Conductors

KS StatementApply electrical theory to circuits including concepts of alternating current.

	eign 1	r gign P	, aign 26	- gign 2P	,				
y	Architecture Design 1	Architecture Design 18	Architecture Design 26	Architecture Design 28	Construction	Drating 1	Dratting 2	Woodworking,	Moodworking2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
İ	05192	05192	05192	05192	17002	21102	21102	17006	17006
İ	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
1	N	N	N	N	Y	N	N	N	N
†		2-			-	3.5	3.5	3.5	
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Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School
Portland Community College
19-Mar

CCTC* Code Number

ACSM01

ACSM02

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ACSM04

ACSM06

ACSM07

ACSM09

ACSM10

ACSM11

ACSM12

ACSM13

Sheet Metal/HVAC 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.

Focus Area Knowledge and Skills (CTE standards)

Perform proper piping practices.

Perform soldering and brazing operations.

KS Statement
Understand the safe use of equipment and tools used in sheet metal and

Identify fasteners, hangers, and supports and their use in sheetmetal and

Understand the fundamental concepts related to air distribution systems.

Read and interpret blueprints related to HVAC and sheetmetal projects.

Understand the fundamental concepts related to heating systems.

Understand the relationship between indoor air quality and HVAC.

Understand fundamental sheet metal planning and layout.

Understand principles of sheet metal fabrication.

Maintain heating and cooling systems.

Design heating and cooling systems.

r	Architecture Design 18	Architecture Design AP	Architecture Design 2A	Architecture Design 26	ar.			.ng^	.ng2
ery tudy	Architecture	Architecture	Architecture	Architecture	Construction	Dratting 1	Dratting 2	Woodworking 1	Woodworking 2
	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	N	N	N	Υ	N	N	N	N
					Х				
					X				
					Х				
					Х				
					X				
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					Х				
					Х				
					X				
					X				
					Χ				

Skills-to-Course Matrix

Architectural Drafting/Construction

Aloha High School
Portland Community College
19-Mar

CCTC* Code Number

ACGR01

ACGR02

ACGR03

ACGR04

ACGR05

ACGR06

ACGR07

ACGR08

ACGR09

Sustainable Building 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.

Focus Area Knowledge and Skills (CTE standards)

practices associated with green building.

practices associated with green building.

Understand the rationale for sustainability and green building.

systems, and techniques are utilized in green buildings.

Identify green building industry tools and resources.

construction and certification impact green building.

through building science.

planning and land use.

KS Statement
Understand how fundamental science concepts and strategies are applied

Explain the issues, concepts, strategies, and practices of sustainable site

Identify water-efficiency and management issues, concepts, strategies, and

Understand how energy is used in buildings and how energy-saving materials,

Identify indoor environmental quality (IEQ) issues, concepts, strategies and

Understand how materials selection and use is applied in green building.

Understand how industry accepted practices associated with design,

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	A5411	A5412	A5421	A5422	A590X	A531X	A532X	A551X	A552X
	05192	05192	05192	05192	17002	21102	21102	17006	17006
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	N	N	N	Υ	N	N	N	N
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