

Skills-to-Course Matrix

Computer Science

Tualatin High School

PCC

Nov-19

Information & Communications 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 focus; are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.

			CS 160: Exploring Computer Science	Computer Aided Design	Computer Science 1	Game Design	Introduction to Engineering	IT 1: Technician	IT 2: Network Admin	IT 3: Windows Operating Systems	IT 4: Network Security	IT 5: Server Administration	Robotics	Unmanned Aircraft & Aerial Photo 1	Unmanned Aircraft & Aerial Photo 2
Cluster Knowledge and Skills (CTE standards)			101561	21107	10156.1 & 10156.2	10205	21016	10251.1	10101	10111	10108	10102	21009	210531	210532
			10156	21107	10154	10205	21016	10251	10101		10108	10102	21009	21053	21053
CCTC*	Code Number	KS Statement	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
			N	N	N	N	N	Y	Y	Y	Y	Y	N	N	N
IT 01	IT01	Demonstrate effective professional communication skills and practices that enable positive customer relationships.	Y		Y	Y		Y	Y	Y	Y	Y		Y	Y
IT 02	IT02	Use product or service design processes and guidelines to produce a quality information technology (IT) product or service.	Y		Y	Y		Y	Y	Y	Y	Y			
IT 03	IT03	Demonstrate the use of cross-functional teams in achieving IT project goals.	Y		Y	Y		Y	Y	Y	Y	Y			
IT 04	IT04	Demonstrate positive cyber citizenry by applying industry accepted ethical practices and behaviors.	Y		Y	Y		Y	Y	Y	Y	Y			
IT 05	IT05	Explain the implications of IT on business development.	Y					Y	Y	Y		Y			
IT 06	IT06	Describe trends in emerging and evolving computer technologies and their influence on IT practices.	Y		Y	Y		Y	Y	Y	Y	Y			
IT 07	IT07	Perform standard computer backup and restore procedures to protect IT information.	Y					Y	Y	Y	Y	Y			
IT 08	IT08	Recognize and analyze potential IT security threats to develop and maintain security requirements.	Y					Y	Y	Y	Y	Y			
IT 9	IT09	Describe quality assurance practices and methods employed in producing	Y					Y	Y	Y	Y	Y			
IT 10	IT10	Describe the use of computer forensics to prevent and solve information	Y					Y	Y	Y	Y	Y			
IT 11	IT11	Demonstrate knowledge of the hardware components associated with	Y					Y	Y	Y	Y	Y			
IT 12	IT12	Compare key functions and applications of software and determine	Y					Y	Y	Y	Y	Y			

Nov-19

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 focus/area using those skill sets for multiple options in a Program of Study or if you want to use another set of industry

[illegible]

Nov-19

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 focus using those skill sets for multiple options in a Program of Study or if you want to use another set of industry

[illegible]

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 focus/are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry validated standards.

[illegible]

Tualatin High School
PCC
Nov-19

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 focus/are using those skill sets for multiple options in a Program of Study or if you want to use another set of industry

[illegible]