



POS Perkins Statewide Articulation Agreement Documentation Coversheet

Student Name:									
Secondary School Name: Secondary School Address:									
CTE Program of Study: CIP # _____ CIP Program Name _____									
<div style="background-color: #e0f7fa; padding: 5px; text-align: center;"> _____ 1. CAREER AND TECHNICAL EDUCATION Technical Core Courses List Technical Core Courses only below: </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 15%; text-align: center; padding: 5px;">Grade 9</td> <td style="height: 40px;"></td> </tr> <tr> <td style="text-align: center; padding: 5px;">Grade 10</td> <td style="height: 40px;"></td> </tr> <tr> <td style="text-align: center; padding: 5px;">Grade 11</td> <td style="height: 40px;"></td> </tr> <tr> <td style="text-align: center; padding: 5px;">Grade 12</td> <td style="height: 40px;"></td> </tr> </table> <div style="background-color: #e0f7fa; padding: 5px; margin-top: 10px;"> Overall Grade Point Average Technical Core Courses: _____ / 4.0 Equate to GPA based on a 4.0 scale. </div> <div style="padding: 5px; margin-top: 10px;"> Send official transcript and a copy of student diploma to postsecondary institution where student is making application for admission. </div>	Grade 9		Grade 10		Grade 11		Grade 12		<div style="background-color: #e0f7fa; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 2. End of Program Assessment </div> <div style="padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;">Check the appropriate certificate earned by this student on the CIP end of program assessment. (attach)</p> <p style="text-align: center;">_____ Pennsylvania Skills Certificate (or)</p> <p style="text-align: center;">_____ Pennsylvania Certificate of Competency</p> </div> <div style="background-color: #e0f7fa; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 3. Secondary Competency Task List signed by program instructor (attach) </div> <div style="background-color: #fff176; padding: 5px; text-align: center; margin-bottom: 10px;"> _____ 4. Industry Certification(s) if applicable, (attach) </div> <div style="padding: 5px;"> <p style="text-align: center;">Secondary School Representative (individual attesting to document verification)</p> <p>Signature: _____</p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Date : _____</p> </div>
Grade 9									
Grade 10									
Grade 11									
Grade 12									



Perkins Statewide Articulation Agreement

Documentation item: Secondary Competency Task List Coversheet

The Secondary School agrees to:

- A. Implement the approved PDE Program(s) of Study.
- B. Provide assessment of student competencies based upon performance standards as prescribed by the approved PDE Program of Study.
- C. Furnish documentation necessary to the Postsecondary Institution upon a student's written request. Documents should be student specific and should verify that the student meets all secondary requirements of the approved PDE Program of Study.
- D. Provide documentation to the postsecondary institution that must include each of the following items, if applicable
 - High School Diploma;
 - Official Student Transcript;
 - **Secondary Competency Task List with the signature of a secondary school technical instructor;**
 - PA Certificate of Competency or PA Skills Certificate in technical program area and
 - Industry certifications earned

Student Specific Documentation: Secondary Competency Task List

The following student qualifying for articulated credit under the Perkins Statewide Articulation Agreement has achieved proficiency on all of the approved PDE Program of Study Secondary Competency Task List items. Secondary Competency Task List is attached.

Student Name: _____

Program of Study Name: _____

Program of Study CIP number: _____

Instructor's signature: _____

Instructor's Name (Print): _____

School Name: _____

School Mailing Address: _____

School telephone number: _____

Unit/Standard Number	High School Graduation Years 2019, 2020 and 2021	Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
	Machine Tool Technology/Machinist CIP 48.0501 Task Grid	
	Secondary Competency Task List	
100	ORIENTATION / SAFETY	
101	Describe the Occupational Safety and Health Administration (OSHA) and its role in the machining industry.	
102	RESERVED	
103	Apply general safety procedures.	
104	RESERVED	
105	RESERVED	
106	Review Safety Data Sheets (SDS).	
107	RESERVED	
200	PERFORMING LAYOUT WORK	
201	Perform layout work.	
202	RESERVED	
203	Employ basic and precision layout tools.	
300	PART INSPECTION	
301	Employ precision measuring instruments.	
302	Calibrate precision measuring instruments.	
303	Conduct quality control procedures.	
400	BENCH WORK	
401	Apply bench work safety procedures.	
402	Cut material with a hand hacksaw.	
403	File work to specifications.	
404	Cut threads with hand taps and dies.	
405	RESERVED	
406	Use hand tools.	
407	Use a hand arbor and/or hydraulic press.	
500	DRILL PRESSES	
501	Apply drill press safety procedures.	
502	Operate drill press work holding devices.	
503	RESERVED	
504	RESERVED	
505	Select correct drill sizes for drill press application.	
506	RESERVED	

Unit/Standard Number	<u>High School Graduation Years 2019, 2020 and 2021</u> Machine Tool Technology/Machinist CIP 48.0501 Task Grid		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
507	Demonstrate counterboring, spotfacing and countersinking.		
508	RESERVED		
509	RESERVED		
510	RESERVED		
511	RESERVED		
600	GRINDING MACHINES		
601	Apply pedestal and surface grinding safety procedures.		
602	Identify parts of pedestal grinder.		
603	Test, mount and dress grinding wheels.		
604	Grind and sharpen tools.		
605	RESERVED		
606	RESERVED		
607	RESERVED		
608	Identify parts of surface grinder.		
609	Grind surfaces flat and parallel using a magnetic chuck.		
610	Grind work surfaces square with a vise or angle plate.		
611	Grind precision angles using a sine plate or sine bar.		
700	LATHES		
701	Apply lathe safety procedures.		
702	Mount and indicate work piece in 3-jaw and 4-jaw chucks.		
703	Align centers.		
704	Face workpiece.		
705	RESERVED		
706	Turn inside and outside diameters to shoulders.		
707	Turn tapers.		
708	Demonstrate knurling.		
709	Part off and groove workpiece.		
710	Cut internal and external threads.		
711	RESERVED		
712	File and polish workpiece.		
713	RESERVED		
714	Perform boring operations.		
715	Install and remove tool holders.		
716	Use a collet attachment.		
717	RESERVED		

Unit/Standard Number	<u>High School Graduation Years 2019, 2020 and 2021</u> Machine Tool Technology/Machinist CIP 48.0501 Task Grid		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
718	RESERVED		
719	Select gears for lathe operations.		
800	MILLING MACHINES		
801	Apply milling machine safety procedures.		
802	Tram a milling head.		
803	Mount and indicate vise.		
804	Mill angles.		
805	Mill keyways.		
806	RESERVED		
807	RESERVED		
808	RESERVED		
809	Use an edge finder.		
810	Differentiate between climb milling and conventional milling.		
811	Use an adjustable boring head.		
812	RESERVED		
813	Install and remove cutting tool holders.		
814	Select cutter for milling operations.		
815	Square part.		
900	POWER SAW		
901	Apply power saw safety procedures.		
902	RESERVED		
903	RESERVED		
904	Follow the 3 tooth rule.		
905	Saw work piece.		
906	RESERVED		
1000	MACHINES AND TOOLS		
1001	Lubricate and maintain machinery.		
1002	Clean and store equipment.		
1003	Inspect machine guards.		
1004	RESERVED		
1005	RESERVED		
1100	METALLURGY		
1101	Identify metals classifications.		

Unit/Standard Number	<u>High School Graduation Years 2019, 2020 and 2021</u> Machine Tool Technology/Machinist CIP 48.0501 Task Grid		Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level
1102	Identify metal property applications.		
1103	Identify heat-treating and annealing processes.		
1200	CHARTS AND REFERENCES		
1201	Use the decimal equivalent chart.		
1202	Calculate speeds and feeds.		
1203	Use tap and drill charts.		
1204	Use Machinery Handbook and/or shop references to locate information.		
1300	BLUEPRINT READING		
1301	Identify orthographic views and projections.		
1302	RESERVED		
1303	Identify the alphabet of lines and symbols.		
1304	RESERVED		
1305	Calculate material sizes.		
1306	Differentiate angle projections.		
1307	RESERVED		
1308	Interpret title block information.		
1400	CNC PROGRAMMING		
1401	Apply CNC safety procedures.		
1402	Use G and M codes.		
1403	RESERVED		
1404	Use of Cartesian coordinate systems.		
1405	RESERVED		
1406	Prove a CNC program.		
1407	RESERVED		
1408	RESERVED		
1409	Set part zero and tool offsets.		
1410	Transfer data files to and from a CNC machine.		
1411	use CNC control functions.		
1412	RESERVED		