



## POS Perkins Statewide Articulation Agreement Documentation Coversheet

Student Name:									
Secondary School Name: Secondary School Address:									
CTE Program of Study: CIP # _____ CIP Program Name _____									
<b>_____ 1. CAREER AND TECHNICAL EDUCATION</b> <b>Technical Core Courses</b> <b>List Technical Core Courses only below:</b>	<b>_____ 2. End of Program Assessment</b>								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; padding: 5px;">Grade 9</td> <td style="width: 85%;"></td> </tr> <tr> <td style="padding: 5px;">Grade 10</td> <td></td> </tr> <tr> <td style="padding: 5px;">Grade 11</td> <td></td> </tr> <tr> <td style="padding: 5px;">Grade 12</td> <td></td> </tr> </table>	Grade 9		Grade 10		Grade 11		Grade 12		<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>
Grade 9									
Grade 10									
Grade 11									
Grade 12									
<b>Overall Grade Point Average Technical Core Courses:</b> _____ / 4.0 Equate to GPA based on a 4.0 scale.	<b>_____ 3. Secondary Competency Task List</b> <b>signed by program instructor (attach)</b>								
Send official transcript and a copy of student diploma to postsecondary institution where student is making application for admission.	<b>_____ 4. Industry Certification(s) if applicable, (attach)</b>								
<p style="text-align: center;"><b>Secondary School Representative</b> (individual attesting to document verification)</p> Signature: _____ Print Name: _____ Title: _____ Date : _____									



## 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	<p style="text-align: right;"><u>High School Graduation Years 2019, 2020 and 2021</u></p> <p style="text-align: center;"><b>Agricultural Mechanization CIP 01.0201 Task Grid</b></p>	<p style="text-align: center;"><b>Proficiency Level Achieved: (X) Indicates Competency Achieved to Industry Proficiency Level</b></p>
<b>Secondary Competency Task List</b>		
<b>100</b>	<b>SUPERVISED AGRICULTURAL EXPERIENCE</b>	
101	Develop a Supervised Agricultural Experience (SAE) based upon individual interests/career goals.	
<b>200</b>	<b>BUSINESS DEVELOPMENT</b>	
201	Discuss the historical significance of agriculture to US and global economic strength.	
202	Maintain business and financial records.	
203	Analyze financial institution to source credit for agricultural product distribution.	
204	Use computers to enter, access or retrieve data.	
205	Prepare a technical report.	
206	Use telephone communication techniques.	
207	Analyze sales activities or agriculture business trends.	
208	Use product knowledge to meet customer needs.	
209	Access multi-media advertising services.	
210	Develop a sales presentation.	
211	Demonstrate goods or services.	
212	Develop a logistics plan.	
213	Provide customer service needs and training.	
<b>300</b>	<b>SURVEYING AND LAND USE</b>	
301	Define soil erosion and its causes.	
302	Identify the various types of land uses.	
303	Use surveying equipment for site evaluation.	
304	Evaluate a sites suitability for various agricultural purposes.	
<b>400</b>	<b>HISTORY AND SUSTAINABILITY OF AGRICULTURAL POWER SYSTEMS TECHNOLOGIES</b>	
401	Describe the historical development of agricultural technologies in power systems.	
402	Identify the potential impact of global applications and emerging technologies towards sustainability.	
<b>500</b>	<b>SAFETY</b>	
501	Complete first aid awareness training.	

502	Complete an OSHA 10 hour equivalent safety course.	
<b>600</b>	<b>TOOLS, EQUIPMENT, AND HARDWARE</b>	
601	Use hand tools and power tools.	
602	Use various gauges and testers used in agricultural power equipment.	
603	Use air operated equipment.	
604	Use electrical powered shop equipment.	
605	Use fasteners to join parts.	
606	Use measurement devices.	
<b>700</b>	<b>METAL FABRICATION AND WELDING</b>	
701	Identify various types of metals.	
702	Use welding and cutting equipment.	
703	Use soldering equipment.	
704	Repair sheet metal products.	
705	Fabricate a metal product.	
<b>800</b>	<b>TECHNICAL DOCUMENTATION</b>	
801	Read blueprints and schematics.	
802	Create a technical drawing.	
<b>900</b>	<b>ENGINE SYSTEMS</b>	
901	Select mechanical equipment appropriate to task.	
902	Measure power output of various equipment.	
903	Service and repair powertrain.	
904	List and describe the operation of various engine types.	
905	Use specialized tools for small engines.	
906	Use measuring and calibration devices.	
907	Troubleshoot an engine and return it to working order.	
<b>1000</b>	<b>MACHINERY AND EQUIPMENT SYSTEMS</b>	
1001	Review operating and service resources.	
1002	Perform safety inspections.	
1003	Operate and calibrate machines.	
1004	Perform disassembly and assembly procedures.	
1005	Operate machinery and power units.	
1006	Maintain, troubleshoot and repair.	
<b>1100</b>	<b>ENERGY SYSTEMS</b>	
1101	Identify the parts and functions of specific energy systems to include electrical power, solar power, wind power, mechanical power and chemical/carbon-based power systems.	
1102	Identify the principles of power transmission, heat transfer, evaporation, fluid movement, conductivity, satellite transmission, conservation and regulations.	

<b>1200</b>	<b>AGRICULTURAL STRUCTURES</b>	
1201	Develop an itemized bill of materials and determine costs.	
1202	Layout a structure foundation.	
1203	Calculate, mix and finish concrete and masonry units.	
1204	Select building materials.	
1205	Operate woodworking equipment/machinery, as needed in the agricultural sector.	
1206	Design a building for an application in agriculture using new technologies.	
1207	Construct various switched electrical branch circuits.	
1208	Troubleshoot electrical systems.	
<b>1300</b>	<b>PLUMBING, IRRIGATION, AND WATER SYSTEMS</b>	
1301	Cut, assemble and pressure test components within various types of water supply systems.	
1302	Calculate pump and pipe size based on water requirements, head and friction losses for water and irrigation systems.	
1303	Identify the components in various agricultural irrigation systems.	
<b>1400</b>	<b>ENVIRONMENTAL AND NATURAL RESOURCE SYSTEMS</b>	
1401	Identify environmental problems and use equipment and tools needed to measure the problems in livestock, crop handling, processing, nursery and landscaping, aquaculture, forestry and agribusiness industries.	
1402	Use various map types and aerial photos for land use, soil, watershed, wildlife and natural resource management and conservation.	
1403	Identify global positioning systems, remote sensing and collection equipment for various applications.	
1404	Identify and evaluate storage and waste disposal systems and procedures.	