CTE DUAL CREDIT ARTICULATON AGREEMENT 2024- 2027

College Program: Automotive Technology

Career Cluster: Transportation, Distribution & Logistics

South Seattle College / Puget Sound Skills Center

The purpose of this agreement is to grant South Seattle College credit to high school students who have achieved the level of knowledge and skill required for the college-equivalent entry-level course(s) identified in this agreement. Upon successful completion of the identified course competencies with a grade of 'B' (3.0) or higher and the high school teacher's endorsement that the competency requirements have been met, articulated credit will be granted.

The following South Seattle College **Automotive** courses have been approved for CTE Dual Credit articulation with Puget Sound Skills Center courses as listed below:

High School Courses	College Courses	College Credits
Auto Tech 1 (2 semesters/ 1 year)	MVM 100 Intro to Auto Tech 1	3 credits
	MVM 102 Intro to Auto Tech 2	6 credits
	AUT 100 Intro to Electricity	6 credits

Student Articulation Procedure

1. Be enrolled in the required high school class.
2. Register for CTE Dual Credit articulated course during the same academic year the high school class is completed. If a series of courses are involved in the articulation, students register for credit during the same academic year the last course in the series is completed. Students cannot earn "retroactive credit" for courses taken in previous years.
3. Earn a grade of 'B' (3.0) or better in *all courses* required under the articulation agreement.
4. Satisfy all learning outcomes and objectives identified on college course outline *(see attached college course outline).*

High School Instructors

1. Ensure that the high school course syllabus includes information about CTE Dual Credit, the college course competencies and the process required to earn college credit.
2. Hold students accountable for the same competency standard and course expectations as required by the college-equivalent course (*see college course outline).*
3. Submit final grades for all students registered to earn CTE Dual Credit by the published deadline.
4. Attend scheduled meetings, workshops or professional development activities that enhance the high school/college partnership & support implementation of the CTE Dual Credit articulated program.

ARTICULATON AGREEMENT LEARNING OUTCOMES CHECKLIST

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The following college course outcomes must be satisfied in the related high school course to meet the standards of the articulation agreement (80% at minimum):

COURSE OUTCOMES*:

MVM100 - Introduction to Automotive Technology I (3 credits)

1. Explain and demonstrate safety as it applies to the automotive industry.
2. Explain the use of MSDS material.
3. Name and demonstrate how to use automotive tools and shop equipment.
4. Name the various components and parts of current automobiles and light trucks.
5. Demonstrate how to use electronic repair and flat-rate manuals
6. Demonstrate the ability to recognize and use fasteners properly.
7. Filling out repair orders concern, cause and cure

**Master Course Outline, version 05/07/2020*

MVM102 - Introduction to Automotive Technology II (6 credits)

1. Explain and demonstrate safety as it applies to the automotive industry.
2. Demonstrate how to properly do vehicle inspections.
3. Demonstrate how to properly do a lube, oil and filters service.
4. Demonstrate how to repair cooling systems as well as service belts and hoses.
5. Demonstrate how to service heating and air conditioning systems.
6. Demonstrate how to service driveshafts.
7. Demonstrate how to service manual and automatic transmissions.
8. Demonstrate proficiency in National Automotive Technician Education Foundation NATEF competencies.

**Master Course Outline, version 05/07/2020*

AUT100 - Introduction to Electricity (6 credits)

1. Apply knowledge of Ohm's Law and how electricity works on different circuits.
2. Show proficiency in the use of basic electrical diagnostic equipment.
3. Demonstrate how to read a wiring diagram or schematic.
4. Demonstrate how to find electrical connectors and components on the vehicle.
5. Diagnose battery, starting and charging system problems.

**Master Course Outline, version 06/15/2020*