

Discipline: Transportation
Date Submitted: September 27, 2016

Cerritos College Articulation Agreement

<p>Cerritos College Course: Auto 100: Automotive Maintenance & Operation Cerritos College 11110 Alondra Blvd. Norwalk, CA 90650</p>	<p>Van Nuys School Courses: Auto Tech Engine Repair, and Automotive Systems 1 & 2 Van Nuys High School 6535 Cedros Ave. Van Nuys, CA 91411</p>
<p>General Course Description: This course is a study of the interaction of science and technology as they apply to the automotive transportation system and engineered sub-systems that are responsible for the functioning of the automobile. The math and specific concepts associated with these systems will also be explored. Students will develop their understanding of science, as it applies to the study of engineered automotive systems, by building on their knowledge of physics and math while conducting investigative research. Students will be engaged in a theoretical program that integrates academic student with technical skills. The course is proposed to prepare and motivate students to pursue a post-secondary education in science and engineering programs.</p>	
<p>College Prerequisite(s): None</p>	<p>HS/ROCP Prerequisite(s): None</p>
<p>Advisories/Recommendations:</p>	
<p>Course Content:</p> <ol style="list-style-type: none"> 1. Automotive Careers and Automotive Service Excellent Certificate 2. Basic Hand Tools 3. Power Tools and Equipment 4. The Auto Shop & Safety 5. Automotive Measurement & Mathematics 6. Service Information & Work Orders 7. Basic Electricity Electronics 8. Fasteners, Gaskets, Seals & Sealants 9. Engine Fundamentals 10. Vehicle Maintenance 11. Fluid Service 12. Recycling 13. Advance Electrical 	
<p>Competencies and Skill Requirements. At the conclusion of these courses, the student should be able to:</p> <ol style="list-style-type: none"> 1. Comply with safety, environmental regulations and standards. 2. Explain the operation of vehicle systems. 3. Identify and describe the operation of related vehicle components. 4. Identify and properly use tools and equipment. 5. Perform basic maintenance and service procedures according to industry standards. 6. Access service information and specifications using electronic and printed sources. 7. Recognize the various career opportunities in the automotive industries. 	

Measurement Methods:

- 1. Homework
- 2. Classwork
- 3. Quizzes and Test
- 4. Portfolio

Textbooks or Other Support Materials:

- 1. "Automotive Technology", 8th Edition by James E. Duffy

Procedures for Course Articulation:

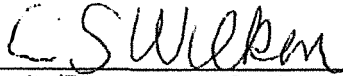




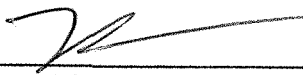
Cerritos College credit for the articulated course listed above may be received when the following criteria are met:

- 1. The student has completed the articulated course listed above with a "C" grade or higher in Auto Tech Engine Repair, and Automotive Systems 1 & 2.
- 2. The student takes the credit by exam given by the Automotive Department and passes the exam.
- 3. The student must enroll at Cerritos College within two (2) years from the semester date in which the course was completed.
- 4. The student will complete and submit the *Cerritos College Credit by Exam Form* to the Office of Educational Partnerships & Programs.
- 5. No more than 12 units of credit may be accepted for credit by examination.

This Agreement will be reviewed annually and will remain in effect until cancelled by either party giving 30 days written notice.

High School/ROP District Signatures

Cerritos College Signatures

	9/27/16		4/3/17
Faculty/Department Chair	Date	Instructor/Division Chair	Date
	9/27/16		4/4/17
Principal	Date	Dean of Instruction	Date
	9/30/16		4/12/17
Superintendent	Date	Vice President	Date