

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT



Santiago Canyon College
8045 E. Chapman Ave.
Orange, CA 92869



Santa Ana College
1530 W. 17th Street
Santa Ana, CA 92706

ARTICULATION AGREEMENT

College: <u>Santa Ana College</u>	Secondary Partner: <u>Los Amigos H.S./Central County ROP</u>
Contact: <u>Glen Hammonds/John Kalko</u>	Address: <u>16566 Newhope St., Fountain Valley</u>
Phone #: <u>(714) 564-6800/(714) 564-6629</u>	Contact: <u>Clay Knoph</u>
Fax #: <u>(714) 564-6158</u>	Phone #: <u>(714) 663-6288</u>
	CCROP: <u>Jean Gaudreau (714) 966-3528</u>

RSCCD Course

High School / ROP Course

Auto Tech 006- Maintenance or Auto Tech 002- Essentials

Automotive and Transportation Technology I and II #713153; #714153

Articulation Agreement Effective Dates

2012 - 2013	2013 - 2014	2014 - 2015
 _____ Signature, RSCCD Instructor <u>Glen Hammonds</u> _____ Print Name <u>5-7-13</u> _____ Date	_____ Signature, RSCCD Instructor _____ Print Name _____ Date	_____ Signature, RSCCD Instructor _____ Print Name _____ Date
 _____ Signature, RSCCD Division Dean <u>Simon B. Hoffman</u> _____ Print Name <u>5/8/13</u> _____ Date	_____ Signature, RSCCD Division Dean _____ Print Name _____ Date	_____ Signature, RSCCD Division Dean _____ Print Name _____ Date
 _____ Signature, HS/ROP Instructor <u>Clay Knoph</u> _____ Print Name <u>3/28/13</u> _____ Date	 _____ Signature, HS/ROP Instructor <u>Clay Knoph</u> _____ Print Name <u>3/28/13</u> _____ Date	_____ Signature, HS/ROP Instructor _____ Print Name _____ Date
 _____ Signature, HS/ROP Administrator <u>Jean Gaudreau</u> _____ Print Name <u>4-25-13</u> _____ Date	 _____ Signature, HS/ROP Administrator <u>Jean Gaudreau</u> _____ Print Name <u>4-25-13</u> _____ Date	_____ Signature, HS/ROP Administrator _____ Print Name _____ Date

NAME OF STATEWIDE ACADEMIC SENATE TEMPLATE FOLLOWS:

#	TITLE:
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College Course Title Automotive Technology Essentials Course #: AUTO 006	HS/ROP Course Title Automotive and Transportation Technology II Course #: 714153
General Course Description: Introduces basic maintenance procedures in the areas of engines, drive lines, and electrical systems. This course is recommended for consumers and students interested in entering the automotive repair field. Students furnish hand tools and safety equipment.	General Course Description: Course is designed to train students in a variety of automotive skill areas such as: tune-ups, brakes, safety and comfort, automatic transmission, auto body and fender repair, engine repairs, service station skills and parts department. Instruction will be given in shop safety and correct tool usage. The instructor will establish and maintain a tool inventory, and students will be responsible for adhering to appropriate checkout procedures for equipment used during class. Essential employability training includes personal, interpersonal and communications skills, plus career development and employment literacy. Classroom lecture and hands-on practice in lab. Students can continue theory and gain internship experience with community classroom/on-the-job training at auto shops and auto dealerships in Automotive and Transportation Technology III.
College Units: 4 units/48 lecture hours & 64 lab hours per semester	HS/ROP Hours: Automotive and Transportation Technology II #714153: 180 hours.
College Prerequisite(s): None	HS/ROP Prerequisite(s): Completion of Automotive and Transportation Technology I or teacher approval.
College Advisories/Recommendations:	HS/ROP Advisories/Recommendations:

REQUIRED CONTENT FOR ARTICULATION

1. Safety
2. Environment protection
3. Proper use of tools, equipment and technology

4. Service information
5. Basic automotive systems
6. Maintenance and minor service procedures
7. Consumer awareness
8. Career exploration

INITIALS

INITIALS

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COMPETENCIES AND SKILL REQUIREMENTS REQUIRED FOR ARTICULATION

(Use additional pages as necessary) Where appropriate, please incorporate standards being used (e.g. CTE standards). At the conclusion of this course, the student should be able to:

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.
8. Recognize consumer rights and responsibilities.

MEASUREMENT METHODS

(Includes any industry certification or licensure):

Hands-on performance evaluations by instructor
Written Tests
Written Quizzes
Group presentations

TEXTBOOKS OR OTHER SUPPORT MATERIALS (Including Software):

College	High School / ROP
Auto 006 Halderman. Automotive Technology (W/CD) Prentice Hall, 2008. ISBN 0-13-175477-7. Wilkes. Maintenance Lab Assignments #0-7422-0547-9	Auto 006 Duffy. Modern Automotive Technology. Goodheart Wilcox Publishers, 2004.

COMMENTS:

College	High School / ROP

INITIALS

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College Course Title Automotive Technology Essentials Course #: AUTO 002	HS/ROP Course Title Automotive and Transportation Technology I Course #: 713153
General Course Description: Intended for automotive majors. Introduction to basic practical applications of technology required for advanced-level courses. Theory, parts, nomenclature, and description of systems are emphasized.	General Course Description: This classroom/auto lab-based course will provide entry-level training in servicing and the maintenance of vehicles or vessels used within the transportation industry. Other topics are automotive careers, basic hand tool usage, power tool usage, shop safety, measurements and use of service manuals. Instruction will be given in shop safety and correct tool usage. The instructor will establish and maintain a tool inventory, and students will be responsible for adhering to appropriate checkout procedures for equipment used during class. Further considerations include Mitchel on Demand, a computer reference tool, basic electricity and electronics, soldering, gaskets and usages, engine fundamentals, fuel systems, charging, starting and ignition systems, brake and steering systems. Essential Employability Skills include personal, interpersonal and communication skills plus career development and employment literacy. Students will progress on to Automotive and Transportation Technology II.
College Units: 3 units/48 lecture hours per semester	HS/ROP Hours: Automotive and Transportation Technology I #713153: 180 hours.
College Prerequisite(s): None	HS/ROP Prerequisite(s): None
College Advisories/Recommendations:	HS/ROP Advisories/Recommendations:

REQUIRED CONTENT FOR ARTICULATION

1. Safety
2. Environment protection
3. Proper use of tools, equipment and technology

- 4. Service information
- 5. Basic automotive systems
- 6. Maintenance and minor service procedures
- 7. Consumer awareness
- 8. Career exploration

INITIALS

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