

**RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT**



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



**Santa Ana College**  
 1530 W. 17<sup>th</sup> Street  
 Santa Ana, CA 92706

**ARTICULATION AGREEMENT**

College: <u>Santa Ana College</u> Contact: <u>Glen Hammonds/John Kalko</u> Phone #: <u>(714) 564-6800/(714) 564-6629</u> Fax #: <u>(714) 564-6158</u>	Secondary Partner: <u>Rancho Alamitos H.S./Central County ROP</u> Address: <u>11351 Dale St., Garden Grove</u> Contact: <u>David Le</u> Phone #: <u>(714) 663-6415</u> CCROP: <u>Jean Gaudreau (714) 966-3528</u>
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**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 <hr/> Glen Hammonds Print Name <u>3-8-13</u> Date	 Signature, RSCCD Instructor <hr/> Glen Hammonds Print Name <u>4-9-13</u> Date	Signature, RSCCD Instructor <hr/> Print Name <hr/> Date
 Signature, RSCCD Division Dean <hr/> Simon B. Hoffman Print Name <u>3/6/13</u> Date	 Signature, RSCCD Division Dean <hr/> SIMON B. HOFFMAN Print Name <u>3/6/13</u> Date	Signature, RSCCD Division Dean <hr/> Print Name <hr/> Date
 Signature, HS/ROP Instructor <hr/> DAVID LE Print Name <u>2/22/13</u> Date	 Signature, HS/ROP Instructor <hr/> DAVID LE Print Name <u>2/22/13</u> Date	Signature, HS/ROP Instructor <hr/> Print Name <hr/> Date
 Signature, HS/ROP Administrator <hr/> Jean Gaudreau Print Name <u>2/26/13</u> Date	 Signature, HS/ROP Administrator <hr/> JEAN GAUDREAU Print Name <u>2/26/13</u> Date	Signature, HS/ROP Administrator <hr/> Print Name <hr/> Date

**NAME OF STATEWIDE ACADEMIC SENATE TEMPLATE FOLLOWS:**

<b>#</b>	<b>TITLE:</b>
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RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT



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Orange, CA 92869



Santa Ana College  
1530 W. 17<sup>th</sup> Street  
Santa Ana, CA 92706

ARTICULATION AGREEMENT *original*

College: Santa Ana College  Contact: Glen Hammonds  Phone & Fax #: 714 564-6800/ John Kalko  714 564- 6158 Fax	Secondary Partner: Rancho Alamitos H.S./Central County ROP  Address: 11351 Dale St., Garden Grove  Contact: David Le  Phone & Fax #: 714-663-6415 CCROP: Jean Gaudreau #714-966-3528
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RSCCD Course  
Auto Tech 006 Maintenance or Auto Tech 002  
Essentials

High School / ROP Course  
Automotive and Transportation Technology I and II  
#713153; #714153

Articulation Agreement Effective Dates

2010 - 2011	2011 - 2012	2012 - 2013
<i>[Signature]</i> Signature, RSCCD Instructor GLEN HAMMONDS Print Name 10-14-10 Date	<i>[Signature]</i> Signature, RSCCD Instructor Glen Hammonds Print Name 2-7-12 Date	<i>[Signature]</i> Signature, RSCCD Instructor Glen Hammonds Print Name 2-7-12 Date
<i>[Signature]</i> Signature, RSCCD Division Dean SIMON O. HOFFMAN Print Name 2/3/11 Date	<i>[Signature]</i> Signature, RSCCD Division Dean SIMON O. HOFFMAN Print Name 5/2/12 Date	Signature, RSCCD Division Dean  Print Name  Date
<i>[Signature]</i> Signature, HS/ROP Instructor DAVE LE Print Name 10/14/10 Date	<i>[Signature]</i> Signature, HS/ROP Instru DAVE LE Print Name 2/23/12 Date	Signature, HS/ROP Administrator  Print Name  Date
<i>[Signature]</i> Signature, HS/ROP Administrator JEAN GAUDREAU Print Name 10-14-10 Date	<i>[Signature]</i> Signature, HS/ROP Administrator Jean Gaudreau Print Name 4-3-12 Date	Signature, HS/ROP Administrator  Print Name  Date

Need signatures  
2012/2013

NAME OF STATEWIDE ACADEMIC SENATE TEMPLATE FOLLOWS:	
# 98	TITLE: Introduction to Automotive Technology

<b>College Course Title</b>  <b>Automotive Technology Essentials</b> <b>Course #: AUTO 006</b>	<b>HS/ROP Course Title</b>  <b>Automotive and Transportation Technology II</b> <b>Course #: 714153</b>
<b>General Course Description:</b> 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.	<b>General Course Description:</b> 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.
<b>College Units:</b> 4 units/48 lecture hours & 64 lab hours per semester	<b>HS/ROP Hours:</b> Automotive and Transportation Technology II #714153: 180 hours.
<b>College Prerequisite(s):</b>  None	<b>HS/ROP Prerequisite(s):</b>  Completion of Automotive and Transportation Technology I or teacher approval.
<b>College Advisories/Recommendations:</b>	<b>HS/ROP Advisories/Recommendations:</b>

**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

2 of 3

**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. <b>Automotive Technology (W/CD)</b> Prentice Hall, 2008. ISBN 0-13-175477-7.  Wilkes. Maintenance Lab Assignments #0-7422-0547-9	Auto 006 Duffy. <b>Modern Automotive Technology.</b> Goodheart Wilcox Publishers, 2004.

**COMMENTS:**

College	High School / ROP

INITIALS

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<b>College Course Title</b>  <b>Automotive Technology Essentials</b> <b>Course #: AUTO 002</b>	<b>HS/ROP Course Title</b>  <b>Automotive and Transportation Technology I</b> <b>Course #: 713153</b>
<b>General Course Description:</b> 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.	<b>General Course Description:</b> 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.
<b>College Units:</b> 3 units/48 lecture hours per semester	<b>HS/ROP Hours:</b> Automotive and Transportation Technology I #713153: 180 hours.
<b>College Prerequisite(s):</b>  <b>None</b>	<b>HS/ROP Prerequisite(s):</b>  <b>None</b>
<b>College Advisories/Recommendations:</b>	<b>HS/ROP Advisories/Recommendations:</b>

**REQUIRED CONTENT FOR ARTICULATION**

- |  |
|--|
| <ol style="list-style-type: none"> <li>1. Safety</li> <li>2. Environment protection</li> <li>3. Proper use of tools, equipment and technology</li> </ol> |
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4. Service information
5. Basic automotive systems
6. Maintenance and minor service procedures
7. Consumer awareness
8. Career exploration

INITIALS

INITIALS

2 of 3

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**COMMENTS:**

College	High School / ROP

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