



# **AUTO TECHNOLOGY**

## **Event Specifications**

<b>FRESNO CITY COLLEGE EVENT CONTACT</b> For any specific event questions, please contact:	
<b>NAME:</b>	<b>Maria Hernandez</b>
<b>EMAIL ADDRESS:</b>	<b>maria.hernandez@fresnocitycollege.edu</b>

### **SCOPE OF CONTEST**

**This event will take place at the Fresno City College West Fresno - Advanced Transportation Center located at 600 E. Church Ave. Fresno, CA 93706. The awards presentation will take place at the Fresno City College main campus in the gymnasium at 12:00 PM.**

Teachers – Please bring something for your students to write on (clipboard, binder, etc.).

This competition will consist of two parts; written and manual. The written test will cover questions that relate to construction, theory and operation of various components and systems of the automobile. The manual portion will consist of various service and diagnosis skills. Safety rules and the wearing of safety equipment in the shop will be enforced. Any violation can result in the disqualification of the contestant.

### **NUMBER OF COMPETITORS**

Individual event, limited to 50 competitors.

Fresno ROP reserves the right to modify enrollment due to limited spaces available.

### **RULES AND PROCEDURES**

The competition will consist of two parts--the written exam and the "hands on" portion, which may include competencies in, but not necessarily limited to, the following areas:

1. Written Exam (ASE type questions) Mandatory required test area
2. Use of precision measuring equipment (micrometer, dial indicator, etc.)
3. Brakes—inspection and evaluation
4. Brakes—diagnosis
5. Research and locate automotive specifications on computer (electronic service information)
6. Identify the different components of the emission control system (GM systems)
7. Identify the different components of an electrical fuel injection system (GM systems)
8. Basic electric circuit (use of multi-testers)

## JUDGING CRITERIA

1. Time limit may be assigned to each competency area.
2. The contestant's total score will be calculated on the basis of scores for each competency area.
3. In case of a tie score, the highest score on the written test will determine the winner.
4. Points will be awarded for both written test and hands-on skills activities. Accuracy and workmanship will be considered. The judging criteria and total points for each section of the competition will be explained by the judges at the beginning of the competition.

## EQUIPMENT AND MATERIALS

1. Supplied by the contestant:
  - a. Protective eyewear (safety glasses or goggles)
  - b. Leather shoes (not fabric)
  - c. Appropriate, clean shop clothing
  - d. Something to write on (clipboard, binder, etc.)

**NOTE: Contestants who do not have the proper safety equipment will not be allowed to participate in the competition.**

2. Supplied by the Career Skills Challenge:
  - a. All necessary tools and equipment for the contest
  - b. All necessary information and furnishings for the judge(s)

## DRESS CODE

1. Wear appropriate clothing. Clothes must fit the body, no saggy and or baggy clothes will be allowed.
2. Students must wear closed toe shoes.
3. Students with long hair must keep hair in a pony tail or under a cap.
4. Long sleeve shirts must be kept buttoned at the sleeve, or rolled/pushed up.

# CAREER SKILLS CHALLENGE

## SCORE SHEET

### AUTO TECHNOLOGY

Student Assigned Number	Possible Points	Points Scored	Additional Comments
Written Exam	100		
Use of precision measuring equipment (micrometer, dial indicator, etc.)	100		
Brakes—inspection and evaluation	100		
Brakes—diagnosis	100		
Research and locate automotive specifications on computer (electronic service information)	100		
Test and qualify a starter and components (VAT-40 Tester or equivalent)	100		
Test and qualify an alternator and components (bench or live car tests)	100		
Identify the different components of the emission control system (GM systems)	100		
Identify the different components of an electrical fuel injection system (GM systems)	100		
Basic electric circuit (use of multi-testers)	100		
<b>TOTALS</b>			

*Please distribute evaluation copies to:*

Contestant  
*White*

Event Manager  
*Yellow*