

**Oscar A. Carlson High School**  
**30550 W. Jefferson Ave.**  
**Gibraltar MI 48173**  
**734-379-7162**

**Course Name:** Automotive Technology 1C  
**Course Number:**  
**Course Credit:**  
**School Year:** 2009-2010  
**Instructor:** Mr. Reisdorf

**Course Description:** Brakes

**Course Objectives:** Course is designed to lead student towards ASE certification A5 (Auto Brakes). Meets or exceeds Michigan Department of Education Segment 8 and 9 of Curriculum Standards.

**Student Competencies:** Students will be proficient at working on automotive brake systems safely and will be adequately prepared for continuing education in automotive technology classes

**Required Text:** Modern Automotive Technology: ISBN 1-59070-186-0

**References & Other Resources:**

<http://www.ase.com>

[http://www.mccte-fsu.org/csp.php?i=3#standard\\_38](http://www.mccte-fsu.org/csp.php?i=3#standard_38)

[http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment\\_8.pdf](http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment_8.pdf)

[http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment\\_9.pdf](http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment_9.pdf)

**Course Advisory Committee:**

Cynthia Czarnik  
Randy Conway  
Malin Wagner  
Sandi Loso  
Joe Frank  
Rick Byrnes  
Dennis Conway  
William Stevenson

Jim Burns  
Ethel Cronk  
Robert McQuiston  
Dan Ezzo  
Brandon Ponder  
Jerry Danosky  
Rick Powers  
Eric Kieparek  
Tony Hathcock

Ron White  
Gerry Mroz  
Rich Kingsley  
Frank Windhurst  
Marc Shimmell  
Dwayne Cuzzort  
Bruce Gonyea

**Class Assignments:** Projects, reports, and research

**Final Exam:** 2 Final Exams.  
Hands-on = 30%  
Book final = 70% (Book Final follows ASE standards)

**Class Policies:**

*When the tardy bell rings, all students should be in their assigned seats and ready to learn. This means being quiet and ready for attendance and/or announcements.*

*No early assignments accepted)*

*The student will retain handouts until the end of the semester.*

*Students are expected to have the following EVERY time they come to class...*

*A notebook with pockets*

*Clean unused Paper*

*Writing utensil(s)*

*Proper clothing and footwear for shop activities*

*All trash removed before the end of class and work areas **CLEANED!***

*All chairs UP at the end of class*

*NO GUM!*

*Students are not to leave the classroom-area without direct permission from Mr. Reisdorf*

*Students are NOT allowed in the Tool-Room and/or Mr. Reisdorf's office at anytime!*

*Students involved in anything considered unsafe will be removed from the class and a failing grade for the semester will be submitted WITHOUT exception!*

**Evaluation & Grading:** See CHS student handbook

**Course Outline:**

- Hydraulics
- General Brake Systems
- Wheel Bearings
- Parking Brake systems
- Drum brake diagnosis and repair
- Disc brake diagnosis and repair
- Power-assist unit diagnosis and repair
- Antilock and Traction Control Systems
- Safety, Health and Environment issues
- Employability and Career Development
- Career and Employability Skills

**Articulation Agreements:** Available only after completing  
Auto 1A, 1B, 1C, 2A, 2B and 2C