

Muskegon Area Career-Tech Center

Auto Body Technology COURSE SYLLABUS

INSTRUCTORS NAME: Bill Tufts

PARA-PROFESSIONAL: Mike Kuharevicz

DATE: 2004-2005

PROGRAM DESCRIPTION:

Automotive Collision Repair & Refinishing technology is growing and changing at a very rapid pace. Program instruction is set up with a balance of lectures, demonstrations and hands-on teaching on the equipment service floor. This course prepares individuals to apply basic technical knowledge and skills in seven competence areas: 1) safety & maintenance; 2) damage analysis and preparing cost estimates; 3) disassemble and assemble parts; 4) non-structural repairs; 5) metal, plastic and fiberglass repairs; 6) paint and refinishing techniques. Upon completion of the program, State of Michigan Mechanic's Certification testing is available at the Center.

PROGRAM CIP CODE: 47.0603

P.S.N.: 03642

TEXTBOOK(s), including edition(s), author(s), publisher(s), copyright(s):

- AUTO BODY REPAIR TECHNOLOGY 4th Edition - Duffy/Scharff. Delmar Publishers, 2003. ISBN: 0-7668-6272-0

SOFTWARE:

- e,resource.
- Computer Literacy instruction with Microsoft Word, Internet, and e-mail.

ASSESSMENT: NOCTI (Automotive Technician, No. 2008) NATEF

SPECIAL FEATURES OF THE PROGRAM:

- Student may take the State of Michigan certification tests.
- Customer service work is scheduled into the curriculum.
- The program prepares students to specialize in the Automotive or Heavy Equipment/Diesel Technology programs.
- Work-based learning opportunities are available for qualified students.
- Articulated college credit is available from Ferris State University.

O'NET JOB TITLES AVAILABLE AT MACTC:

Brake System Technician	(SOC 49-3023.02)
Diesel Engine Repair Technician	(SOC 49-3031.00)
Electrical Systems Technician	(SOC 49-3023.02)
Engine Performance Technician	(SOC 49-3023.02)
Gasoline Engine Repair Technician	(SOC 49-3023.02)
Heating/Cooling Technician	(SOC 49-3023.02)
Manual Transmission/Drive Line Technician	(SOC 49-3023.02)
Parts & Service Writer	(SOC 49-3023.02)
Prep and Set-up Maintenance Technician	(SOC 49-9098.00)
Small Engine Technician	(SOC 49-3053.00)
Suspension/Steering Technician	(SOC 49-3023.02)
Tire Repairer and Changers Technician	(SOC 40-3093.00)

O'NET JOB TITLES REQUIRING FURTHER TRAINING:

Automotive Brake System Technician	(SOC 49-3023.02)
Automotive Engine Repair Technician	(SOC 49-3023.02)
Automotive Electrical Technician	(SOC 49-3023.02)
Automotive Transmission Technician	(SOC 49-3023.02)
Suspension/Steering Technician	(SOC 49-3023.02)
Master Mechanic	(SOC 49-3023.01)
Parts Manager	(SOC 49-3023.02)
Service Manager	(SOC 49-3023.02)

Related Occupation Reprints from the Occupational Outlook Handbook:

Automotive Service Technicians and Mechanics: □ HYPERLINK <http://www.bls.gov/oco/ocos181.htm>
□ <http://www.bls.gov/oco/ocos181.htm>

Automotive Body and Related Repairers: □ HYPERLINK <http://www.bls.gov/oco/ocos180.htm>
□ <http://www.bls.gov/oco/ocos180.htm>

Painting and Coating Workers,
Except Construction and Maintenance: □ HYPERLINK <http://www.bls.gov/oco/ocos240.htm>
□ <http://www.bls.gov/oco/ocos240.htm>

Small Engine Mechanics: □ HYPERLINK <http://www.bls.gov/oco/ocos198.htm>
□ <http://www.bls.gov/oco/ocos198.htm>

Diesel Service Technicians and Mechanics □ HYPERLINK <http://www.bls.gov/oco/ocos182.htm>
□ <http://www.bls.gov/oco/ocos182.htm>

Motor Vehicle Dealers □ HYPERLINK <http://www.bls.gov/oco/cg/cgs025.htm>
□ <http://www.bls.gov/oco/cg/cgs025.htm>

Claims Adjusters, Appraisers, Examiners, and
Investigators: □ HYPERLINK <http://www.bls.gov/oco/ocos125.htm>
□ <http://www.bls.gov/oco/ocos125.htm>

Construction Equipment Operators
Heavy Vehicle & Mobile Equipment
Service Technician & Mechanic □ HYPERLINK "[/oco/pdf/ocos197.pdf](http://www.bls.gov/oco/pdf/ocos197.pdf)" □ <http://www.bls.gov/oco/pdf/ocos197.pdf>

Trucking & Warehousing □ HYPERLINK "[/oco/cg/cgs021.htm](http://www.bls.gov/oco/cg/cgs021.htm)" □ <http://www.bls.gov/oco/cg/cgs021.htm>

Installation Maintenance & Repair Occupations □ HYPERLINK "[/oco/oco20058.htm](http://www.bls.gov/oco/oco20058.htm)" □ <http://www.bls.gov/oco/oco20058.htm>

Material Moving Occupations □ HYPERLINK "[/oco/ocos243.htm](http://www.bls.gov/oco/ocos243.htm)" □ <http://www.bls.gov/oco/ocos243.htm>

College Programs: The following post-secondary institutions allow for articulated college credit(s) through NCCTC.

Baker College: □ HYPERLINK <http://www.baker.edu/> □ <http://www.baker.edu/>
Automotive Mechanic Technology: Follow Baker College web site list of under graduate programs.

Ferris State University: □ HYPERLINK <http://www.ferris.edu/> □ <http://www.ferris.edu/>
Automotive Department: □ HYPERLINK <http://www.ferris.edu/htmls/colleges/technolo/automotive.htm>
□ <http://www.ferris.edu/htmls/colleges/technolo/automotive.htm>

Grand Rapids Community College: □ HYPERLINK <http://www.grcc.cc.mi.us/> □ <http://www.grcc.cc.mi.us/>
Automotive Technology: □ HYPERLINK <http://www.grcc.cc.mi.us/ShowPage.cfm?PageID=451>
□ <http://www.grcc.cc.mi.us/ShowPage.cfm?PageID=451>

Muskegon Community College: □ HYPERLINK <http://www.muskegon.cc.mi.us/> □ <http://www.muskegon.cc.mi.us/>
Automotive Technology: □ HYPERLINK
<http://www.muskegoncc.edu/servlets/mcc?/home/sapkowsk/www/programs/p98.htm>
□ <http://www.muskegoncc.edu/servlets/mcc?/home/sapkowsk/www/programs/p98.htm>