

# ***The Role of Community Colleges in Auto Worker Adjustment***

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# Macomb Community College Profile

- *Largest grantor of associate's degrees in Michigan*
- *Consistently ranks in the **top 2%** among more than 1,195 two-year colleges nationwide*
- ***200** degree and certificate fields,*
- ***24,000** degree-credit students each semester*
- ***12,000** students each year in workforce development and customized training programs, continuing professional education, and emergency services academies*





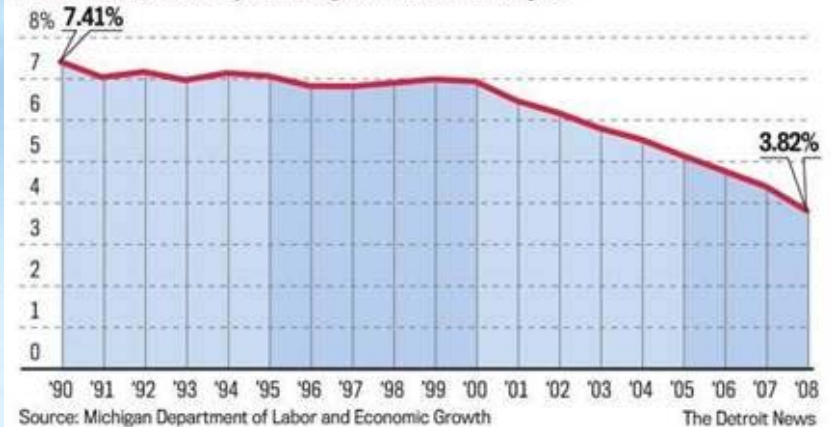
# “Reality” for Workers



## Michigan's shrinking auto workforce

The number of workers directly employed in manufacturing autos and auto parts has been steadily shrinking since 1990, to almost half of its size.

### Auto workforce as a percentage of total nonfarm jobs



## Michigan's economic engine sputters

The gross domestic product of the state's largest cities – a measure of what they're contributing to the overall economy – has stopped growing in many areas, or even backpedaled.

(Figures in billions of dollars)

	2005	2006	2007	2008	1-year percent change	Change 2005 to '08
Metro Detroit	\$199.44	\$198.51	\$200.74	\$200.86	0.06%	0.71%
Lansing	\$16.81	\$17.57	\$17.87	\$18.36	2.75	9.22
Flint	\$11.91	\$11.92	\$11.75	\$11.41	-2.95	-4.24
Ann Arbor	\$17.34	\$17.57	\$18.17	\$17.89	-1.52	3.18
Saginaw	\$6.48	\$6.60	\$6.45	\$6.31	-2.17	-2.65

Source: Bureau of Economic Analysis

The Detroit News

# Automotive News

## Many small suppliers are quietly liquidating

[Ryan Beene](#)

Automotive News | September 28, 2009 - 12:01 am EST

Small automotive suppliers are liquidating, even as the bankruptcies of larger suppliers such as Lear Corp. and Visteon Corp. grab the headlines.

# ***Role of Community Colleges in Transformation***

- ***Prepare workers for “other” employment***
  - ***Short term - Training programs***
  - ***Long term - Associate degrees & beyond***
- ***Work with other agencies***
  - ***NWLB – No Worker Left Behind***
- ***Provide student support services***
  - ***Counseling***
  - ***Remediation***

# ***Role of Community Colleges in Transformation***

- ***Educate the workforce of the future***
  - ***Feedback from employers***
  - ***Attention to employment trends***
  
- ***Continuously work to identify emerging education needs***
  - ***Focus on transferable skills***



# ***Challenges for “Returning” Students***

- ***“I had a good job and a plan for my life.”***
- ***What should I study? Where are the jobs?***
- ***Underpreparedness***
- ***Balancing Life, School, Family***

# ***Retraining Options for Consideration***

- ***Renewable Energy***
- ***Health***
- ***Advanced Manufacturing***
- ***Pipe Design***

# ***Renewable Energy Subject Areas Being Developed @ Macomb***

## **➤ “Green” Construction**

- *Includes weatherization, energy efficiency, energy auditing*

## **➤ Advanced Battery**

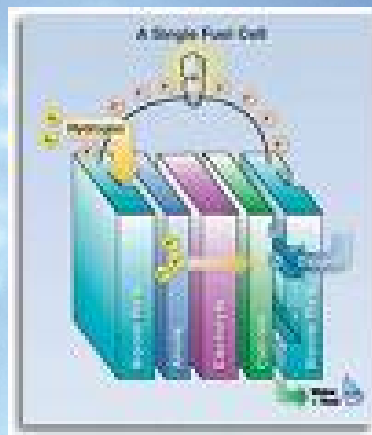
- *Transportation*
- *Electrical Storage*

## **➤ Fuel Cell**

- *Transportation*
- *Stationary*

## **➤ Smart Grid & Infrastructure**





**HEV Training  
1775 people**

2002

2006

2008

**MACOMB RENEWABLE ENERGY PROGRAM INITIATIVES**

2005

2007



**Grant for  
Hybrid  
Electric  
Vehicle  
Training  
(HEV)**





**Submit grant application for  
Center for Advanced  
Automotive Technology**



**Earmark**

- Conservation
- Sustainability
- Construction



**Earmark**

- Integrate Academic Programs
- Expand Offerings



2009



**MACOMB INITIATIVES**

2010 & BEYOND

**Renewable  
Energy  
Certificate  
Created**



**Advanced Battery /  
Multi-Skill Tech  
Training**



**Earmark**

- Equipment

HEALTH CARE CAREER PATHWAY

PROFESSIONAL



COLLEGE OF OSTEOPATHIC MEDICINE

MASTER



ADN to MSN



BACCALAUREATE

ADN to BSN



HEALTH SCIENCES



ASSOCIATE

8 PROGRAMS



WORK FORCE TRAINING

8 PROGRAMS





# Advanced Manufacturing

- **Manufacturing is not dead**
- **Need up to date skills**
- **Traditional lines are blurred**
  - **Example: Mechatronics**
- **Companies willing to diversify (i.e. Defense, Medical, etc.)**



# ***Pipe Design***



- ***New Opportunity***
- ***Joint project with employer, MiWorks, Macomb CC***
- ***Builds on design & engineering expertise***
- ***Opportunity to bring jobs TO Michigan***

# ***Auto Communities Conference Proposal***

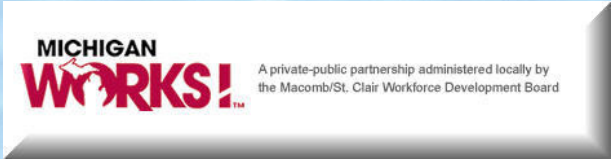
- ***Municipalities and community colleges throughout Midwest have similar challenges***
  - ***Successful transition of laid off auto workers to employment***
  - ***Effective & efficient processes to deal with unemployed / new “reluctant” students***
  - ***Promoting economic growth***



# ***Auto Communities Conference Proposal***

- ***Conference would convene different stakeholders***
  
- ***Potential topics***
  - ***Keynote addresses***
  - ***Best practices***
  - ***Regional collaborative opportunities***
  
- ***Conference location and date to be determined***

# Partnerships





***Questions ?***