“BUSINESS AND EDUCATION PARTNERSHIP”

POWER IN PARTNERSHIPS

GEORGE ARRANTS
Automotive Education Consultant

CTE Leadership Academy

June 17, 2014
Insurance?
You wouldn’t take the chance.

✓ Auto
✓ Home
✓ Life
✓ Health
✓ Job ???
Civilian Labor Force by Generation

Source: Bureau of Labor Statistics
Expected Labor Force and Labor Demand

Source: Employment Policy Foundation analysis and projections of Census / BLS and BEA data
### Labor Projections 2012 – 2022


<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle and mobile equipment mechanics, installers, and repairers 49-3000</td>
<td>1,610.5</td>
<td>1,750.6</td>
<td>140.1</td>
<td>8.7</td>
<td>9.0</td>
<td>544.7</td>
</tr>
<tr>
<td>Aircraft mechanics and service technicians 49-3011</td>
<td>121.7</td>
<td>124.7</td>
<td>3.0</td>
<td>2.4</td>
<td>0.6</td>
<td>35.6</td>
</tr>
<tr>
<td>Automotive technicians and repairers 49-3020</td>
<td>873.3</td>
<td>956.6</td>
<td>83.2</td>
<td>9.5</td>
<td>13.3</td>
<td>294.6</td>
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<tr>
<td>Automotive body and related repairers 49-3021</td>
<td>154.2</td>
<td>174.7</td>
<td>20.4</td>
<td>13.3</td>
<td>10.9</td>
<td>50.1</td>
</tr>
<tr>
<td>Automotive glass installers and repairers 49-3022</td>
<td>18.0</td>
<td>20.5</td>
<td>2.4</td>
<td>13.6</td>
<td>17.0</td>
<td>6.9</td>
</tr>
<tr>
<td>Automotive service technicians and mechanics 49-3023</td>
<td>701.1</td>
<td>761.5</td>
<td>60.4</td>
<td>8.6</td>
<td>13.7</td>
<td>237.6</td>
</tr>
<tr>
<td>Bus and truck mechanics and diesel engine specialists 49-3031</td>
<td>250.8</td>
<td>272.5</td>
<td>21.6</td>
<td>8.6</td>
<td>5.1</td>
<td>75.1</td>
</tr>
<tr>
<td>Heavy vehicle and mobile equipment service technicians and mechanics 49-3040</td>
<td>176.3</td>
<td>192.5</td>
<td>16.2</td>
<td>9.2</td>
<td>3.7</td>
<td>67.1</td>
</tr>
<tr>
<td>Farm equipment mechanics and service technicians 49-3041</td>
<td>35.8</td>
<td>39.2</td>
<td>3.4</td>
<td>9.5</td>
<td>4.3</td>
<td>13.8</td>
</tr>
<tr>
<td>Mobile heavy equipment mechanics, except engines 49-3042</td>
<td>119.3</td>
<td>131.6</td>
<td>12.3</td>
<td>10.3</td>
<td>3.5</td>
<td>46.7</td>
</tr>
</tbody>
</table>
## Employment by summary education and training assignment

### 2012 and projected 2022


<table>
<thead>
<tr>
<th>Education, work experience, and on-the-job training</th>
<th>Employment</th>
<th>Change</th>
<th>Total job openings due to growth and replacement needs, 2012-22</th>
<th>Median annual wage, 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Employment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Number</td>
<td>Percent distribution</td>
<td>Number</td>
<td>Percent</td>
</tr>
<tr>
<td>Typical entry-level education</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total, all occupations</td>
<td>145,355.8</td>
<td>160,983.7</td>
<td>100.0</td>
<td>100.0</td>
</tr>
<tr>
<td>Doctoral or professional degree</td>
<td>4,002.4</td>
<td>4,640.8</td>
<td>2.8</td>
<td>2.9</td>
</tr>
<tr>
<td>Master's degree</td>
<td>2,432.2</td>
<td>2,880.7</td>
<td>1.7</td>
<td>1.8</td>
</tr>
<tr>
<td>Bachelor's degree</td>
<td>26,033.0</td>
<td>29,176.7</td>
<td>17.9</td>
<td>18.1</td>
</tr>
<tr>
<td>Associate's degree</td>
<td>5,954.9</td>
<td>7,000.9</td>
<td>4.1</td>
<td>4.3</td>
</tr>
<tr>
<td>Postsecondary non-degree award</td>
<td>8,554.2</td>
<td>9,891.2</td>
<td>5.9</td>
<td>6.1</td>
</tr>
<tr>
<td>Some college, no degree</td>
<td>1,987.2</td>
<td>2,212.2</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>High school diploma or equivalent</td>
<td>58,264.4</td>
<td>62,895.2</td>
<td>40.1</td>
<td>39.1</td>
</tr>
<tr>
<td>Less than high school</td>
<td>38,127.6</td>
<td>42,286.0</td>
<td>26.2</td>
<td>26.3</td>
</tr>
</tbody>
</table>
Historical Perspective

- Business and Education have been islands unto themselves
- Results have not always been as good as they could be
- In this century our success will, to a great extent, depend on how well we develop these partnerships
Advisory Committees
Business & Education Councils

- Types of Advisory committees
- Who should be a member
- Recruitment of members
- The purpose of the proposed committee
- Time, location & agenda of the committee
- Follow-up of Advisory Committee minutes
Types of Advisory committees

Career & Technology committees

Shared Committees

✓ Program specific Committees

Advisory committee Handbook
http://www.natef.org/advisory_committee.cfm
Who should be a member

✓ Employers
✓ Technicians/related occupation
✓ Parents (current & former students)
✓ Suppliers
✓ Manufacturers
✓ Instructors (secondary & post-secondary)
✓ Former Students
✓ Administration
Recruitment of members

✓ U.S. Mail  (poor response)
✓ Visit to employers
✓ Phone
✓ E-mail

✓ Determine a chair person
✓ Outlook calendar to schedule meetings

* Include agenda
* Past meeting minutes
* Location
* Additional information
The purpose of the proposed committee

WHAT’S IN IT FOR ME?

Industry Advise
Technology Changes
Employment Opportunities
Program improvements
Certification Program/industry
Perkins Funding
Review graduate follow-up
Perkins Funding

- Academic/CTE Integration
- Link to postsecondary CTE
- Expand the use of technology
- Provide professional development
- Initiate, improve and expand quality CTE programs
- Sufficient size, scope and quality
- Activities for special populations
- Audit
**Time, location & agenda of the committee**

- **Time & date** (What is best for industry)
  - Mornings (before school)
  - Lunch (Best for Industry)
  - Evening (Not always best)

  **Schedule meetings 45 days out**
  1-1-1 (1 Month E-mail and/or text - 1 Week Email/Phone - 1 Day Phone)

- **Location**
  - Program Lab/shop *(always first meeting)*
  - Conference room
  - local businesses

- **Agenda**
  - Time allocation (Don’t run over)
  - Curriculum (industry recommendations)
  - Program Facility Evaluation
  - Barriers to entry
Meeting Agenda

Business/Education Advisory Meeting

Agenda

Welcome

Introductions

Discuss employer needs
  Credentials/certification
  Barriers to employment
  Skills required

Employment Potential/Staffing Needs

Facility Evaluation

Facility Recommendations

Review budget

Open Discussion

Set Next Meeting Date
Meeting Agenda

Business/Education Advisory Meeting
Agenda

Welcome

Introductions

Review & approve minutes

Review curriculum
Highlight where employer needs are covered

Discussion any additional tasks
Are there tasks and/or outcomes

Update on facility corrections

Summarize student & graduate surveys

Discuss possible recommendations

Set date for next meeting
Taking minutes
Ask someone to take minutes prior to meeting
Detailed minutes (avoid bullet points)
1. Recommendations
2. Discussions
3. Facility improvements
4. Concerns & corrections

Reference the person making the statement.

Copies of minutes sent 2 weeks after to:

All members
Campus Principal/Director
Career & Tech. Director
School Board Members
Superintendent Office
Four year College is not the only answer and may not be the best answer...

*Survey conducted by the Utility Business Education Coalition Inc.

Out of every 100 high school graduates:

70 enroll in college
42 return for their sophomore year
34 advance to their senior year
28 graduate in five years

only 14 employed in their chosen field
99.9% Efficiency

50 Newborn Babies Dropped at Birth by Doctors Everyday
One Hour of Unsafe Drinking Water Per Month
Two Unsafe Landings at O’Hare Airport Everyday
16,000 Lost Pieces of Mail Per Hour
20,000 Incorrect Drug Prescriptions Each Month
500 Incorrect Surgical Operations Performed Each Week
22,000 Checks Deducted From the Wrong Account Daily
Your Heart Fails to Beat 32,000 Times Each Year
Consultants

Highly paid and used by many

Governments
Military
Corporation
Small Businesses
Towns & Cities
Schools & Education
Non-profits
Others

Having an Advisory Committee is like having consultants and not receiving an invoice.
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Thank you

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