

INSTITUTIONAL ASSESSMENT REPORT

AUTOMOTIVE TECHNOLOGY/2012

Department's Relationship to the College Mission and Strategic Plan

(completed Spring semester or on accreditation cycle)

In a paragraph or two, discuss how the department's work carries out the Mission and Strategic Plan.

The Automotive Technology Department supports the Mission and Strategic Plan of the College by providing the students with the skills required to enter many facets of the Automotive Industry. These skills include both technical and non-technical skills. The Automotive Technology Department has achieved National Automotive Technicians Education Foundation (NATEF) certification as further proof of the quality and depth of the education received in the program.

Students are encouraged to pursue an Associates of Applied Science Degree while on campus. This enhances the education of the student and produces a well-rounded and complete employee for the businesses that hire our graduates.

Summary of Departmental Activities, Assessment and Use of Results

(completed Spring semester or on accreditation cycle)

(may include process flowchart)

Provide a brief overview of major accomplishments since the last review and how assessment results have been used to improve services/learning outcomes.

The Automotive Technology Department has achieved NATEF certification. This certification process is recognized nationwide as proof of quality of instruction, facilities, and equipment to the Automotive Industry. This certification is designed to assure potential employers that Jefferson College students have met the requirements set forth by NATEF.

This certification process included an extensive self-study followed by an in-depth on-site evaluation. The on-site evaluation was led by and trained and certified team leader provided by NATEF. The evaluation team was made up of individuals representing the local automotive industry.

The on site evaluation took place over a two day period in April 2012.

As a result of this certification process, the Automotive Technology Department is moving forward with several recommendations made by NATEF. We have acquired additional space for the program; added additional Electrical Trainers (Expected delivery, October 2012); and added “lips” to front of the shelves in the storage area for safety reasons.

Also as a result of this certification process, it is a goal of the Automotive Technology Department to add:

- Wheel Force Wheel Balancer
- Additional Scan tools with the ability to program key fobs, reprogram Powertrain Control Module (PCMs), and meet all other requirements of Society of Automotive Engineers (SAE) standard J2534
- Adding additional equipment to program sensors for Tire Pressure Monitoring System (TPMS)
- At least one magnetic heater
- At least one additional tool box with hand tools

Internal and External Data Collection and Analysis

(completed by Fall semester or on accreditation cycle)

Gather and analyze relevant internal and external data (link to data).

The NATEF certification process looked at placement/employment rates as well as interviewing employers who have hired our graduates.

The NATEF certification team reviewed all curriculum, minutes of advisory committee meetings, facilities, equipment, administration, and budget items.

All materials are collected in binders stored in CTE106A (Gary Boyher’s office.)

Faculty Indicators for Automotive (AUT), (School Years 2007-2012) School Terms 200801 through 201203 (Summer 2007 through Spring 2012)

Number of Course Sections Taught	Total Students	Attrition Number (“W” Grades)	Attrition Percent	Student Credit Hours Earned	Average Students	Average GPA	Annualized 5-Year Program FTE
127	1,879	24	1.3%	6,652	14.8	2.458	44.3

Notes: Attrition % represents the number of “W” grades conferred as a percentage of ALL students.
Annualized Program FTE is the number of graded credit hours divided by 150 (30 hours/yr for 5 years).

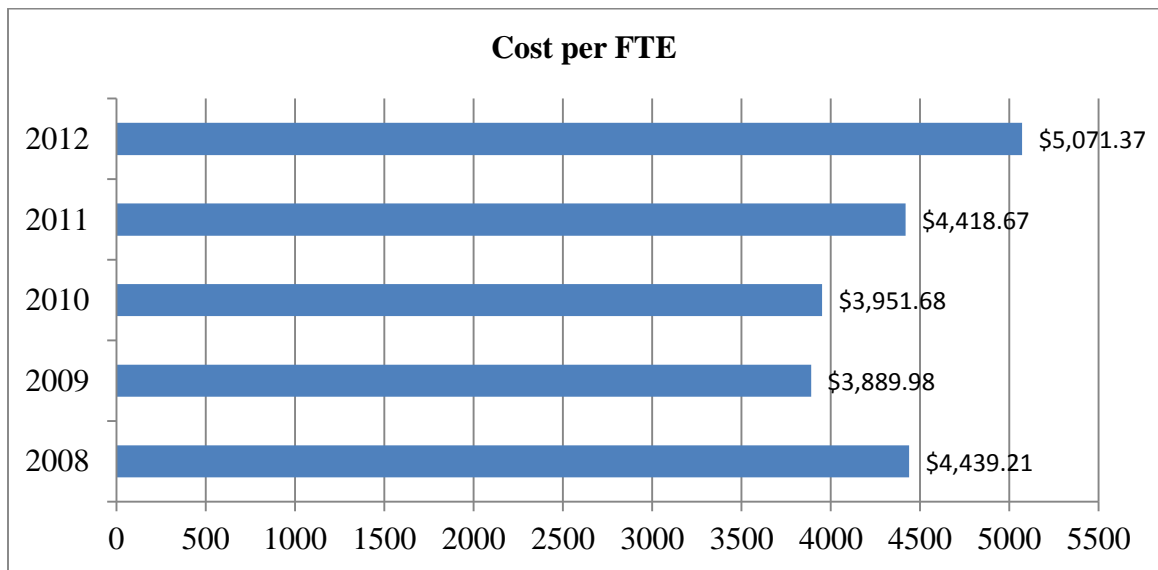
Annual Cost per FTE and Trend Analyses
(completed by Fall semester)

Provide cost per FTE and analyze for the period being evaluated.

This information is provided in the NATEF documentation:

The following table shows the Automotive Technology cost per FTE since the previous review:

Year	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Credit Hours	1,430	1,493	1,675	1,468	1,321
FTE	47.66	49.76	55.83	48.93	44.03
Program Cost	\$211,573.04	\$193,565.67	\$220,622.34	\$216,205.85	\$223,292.64
Cost per FTE	\$4,439.21	\$3,889.98	\$3,951.68	\$4,418.67	\$5,071.37



SWOT Analysis

(completed by Fall semester)

Using the data collected and analyzed, complete a SWOT analysis. Reference and link data for each.

Internal Strengths NATEF certification High enrollment Overall strength of program Low cost to students	Internal Weaknesses Lack of space for growth Limited shop space for cars Limited number of full time faculty Lack of vehicles for students to work on Lack of parking for shop work
External Opportunities Extremely high demand for graduates Expansion into light diesel Expansion into hybrid technology Increased demand for training for people already in the automotive field Partner with CarQuest and AutoZone to provide additional training Have Collision and Automotive Technology in one building	External Threats Mineral Area College is building an Automotive Facility to our south Vatterott has opened an Automotive Program to our north Increased marketing from Ranken National marketing from UTI, WyoTech and other for profit schools

External Accreditation (if applicable)

Link to accreditation report.

NATEF Certification: acquired 2012. All documentation is located in CTE 106A (Gary Boyher's office.)

ACTION PLAN for *Automotive Technology/2012*

Org	Date	Strategic Aim	Objective	Action Plans	Metric	Benchmark	KPI	Additional Resources Required	Timeframe	Responsible Party(s)	Status
56502	Oct 2012	1,2	1,6,10,16	Add a Road Force Wheel Balancer			3	A 220 volt circuit in the shop	Fall 2013	Gary Boyher Gerard Uhls	
56502	Oct 2012	1,2	1,6,10,16	Add an Autel Scan Tool			3	na	Fall 2013	Gary Boyher Gerard Uhls	
56502	Oct 2012	1,2	1,6,10,16	Add a Magnetic Heater			3	na	Fall 2013	Gary Boyher Gerard Uhls	
56502	Oct 2012	1,2	1,6,10,16	Add a TechSmart TPMS clone tool			3	na	Fall 2013	Gary Boyher Gerard Uhls	
56502	Oct 2012	1,2	1,6,10,16	Add an additional tool box with hand tools			3	na	Fall 2014	Gary Boyher Gerard Uhls	
56502	Oct 2012	1, 2	1, 6, 10, 16	Add Launch Scan Tool			3	na	Fall 2013	Gary Boyher Gerard Uhls	
56502	Oct 2012	1, 2	1,2,3,5	Add additional shop space			3	New building	Fall 2015	Gary Boyher Gerard Uhls	
56502	Oct 2012	1, 2	1,3,4	Continuing Education for Car Quest, and Auto Zone			3	na	Fall 2013	Gary Boyher Gerard Uhls Steve Walker (advisory board member)	

Evaluation



Meets Expectations

Comments:



Requires Attention and Submission of a Follow-Up Report

Comments:



Does Not Meet Expectations and Requires Submission of a Follow-Up Report

Comments:

Follow-up report required by: _____

Comments: _____ (Date)

Approvals



Division Chair/Director

Comments:

Oct. 31, 2012

Date

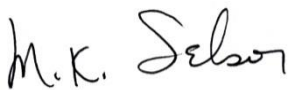


Dean

Comments:

Oct. 31, 2012

Date



Vice President/President

Comments:

March 1, 2013

Date