Initiative Report for Adv Tech 2009-10

Automotive - Chassis Dynomometer

Summary:

Purchase Dynamometer, Curriculum Development to receive training, Make a connection with non-profits groups for non profit repair program.

Description

Provide a training facility that can compete with private schools by providing Students with real world hands on scenarios at affordable and accessible location.

Questions and Answers

How is the initiative linked to the Unit Plans most recently submitted?

1. **How does it continue the achievement of those goals?**
2. **If this is a continuation of an initiative started last year, make sure that relationship is clear.**

How is this initiative linked to the efficiencies and productivities plans you had last year?

1. **How does it continue the achievement of these plans?**
2. **If this is a continuation of an efficiency or productivity plan started last year, make sure that relationship is clear.**

This is a new initiative.

Describe the resources needed:

Equipment and Curriculum Development

- 1 Dynamometer ($33,700 each)
- 60 Curriculum Development hours (2,631 each)

Request: Carl Perkins (EQP) $33,700
Request: Curriculum Development 60 hours (CD) $2,631

What specific measurable program outcomes do you expect to achieve with this initiative? The outcomes should be specific enough to be measurable. Also, outline the method that will be used to determine the results.

Increasing FTE in the Automotive Programs. This would improve curriculum and student experience in multiple classes.

Department Priority:

21

Unit Resources:

The division has no funding available for this initiative.

Funding Request: Carl Perkins

Is this a Career & Technical Education program approved by the state and offered through Lane for credit?

Yes

If not a Career & Technical Education program, does your request provide considerable support for students enrolled in these programs?

No

Do you have an advisory committee that meets 2-3 times per year?

Yes

If request is for personnel, will funds be used to replace an existing position?

How will funding this initiative increase or sustain the academic achievement and technical skills attainment (GPA of 2.0 or better) of Career and Technical Education students?

It will provide exciting new curriculum for students and increase full time FTE.
It should also give new skills to the student to increase GPA. It will give many new ideas of learning to the same classes.

How will funding this initiative increase or sustain the number of CTE students that graduate or receive a one year certificate from Lane and help prepare the students for employment?

It will provide students with greater Automotive practical experiences making them more valuable in the workforce.

EQUIPMENT $

33,700

COMPUTER HARDWARE $

COMPUTER SOFTWARE $

MATERIALS & SUPPLIES $

CURRICULUM DEVELOPMENT (Hours)

60

PART-TIME FACULTY $

TIMESHEET STAFF $

TRAVEL $

Can this initiative be partially funded?

No

EQUIPMENT $

(E) Explanation of effect of partial funding:

COMPUTER HARDWARE $

(CH) Explanation of effect of partial funding:

COMPUTER SOFTWARE $

(CS) Explanation of effect of partial funding:

MATERIALS & SUPPLIES $

(MS) Explanation of effect of partial funding:

CURRICULUM DEVELOPMENT (HOURS)

(CD) Explanation of effect of partial funding:

PART-TIME FACULTY $

(PF) Explanation of effect of partial funding:

TIMESHEET STAFF $

(TS) Explanation of effect of partial funding:

TRAVEL $

(T) Explanation of effect of partial funding:

Funding Request: Curriculum Development

1. List the following information

- **Course Numbers (titles if not currently offered)**
- **Instructor Name(s) who will work on the curriculum development**
- **Whether each of the courses is in, or has been through, the curriculum approval process**

Egan Riordon
Engine Performance AM244
Auto Transmissions/Transaxles AM242
Manual Drive Trains & Axles AM149

Kelly Mathers
Engine Repair AM145
Electrical & Electronic System AM243
Heating & Air Conditioning AM246

2. List each course number (or title) and the materials to be created for each class

- **Instructional goals, objectives, syllabi and outlines**
- **Lab instruction packets**
- **Practice, quiz, presentation &/or demonstration materials**
- **Other (specify)**

Egan Riordon
Engine Performance AM244
Auto Transmissions/Transaxles AM242
Manual Drive Trains & Axles AM149
Changes in the following: class outlines, add more content to the program, instructional packages, presentations, quiz and tests.

Kelly Mathers
Engine Repair AM145
Electrical & Electronic System AM243

Heating & Air Conditioning AM246
Changes in the following: class outlines, add more content to the program, instructional packages, presentations, quiz and tests.

3. List each course number (or title) and give your timeline for beginning and completing each course curriculum development.

All courses will be modified in the academic year of 09-10.

4. What are up to 3 departmental instructional goals that are met through the development of curriculum in each class?

Three departmental instruction goals are Automotive curriculum enhancements, increase student hands on participation, and attract new students therefore increasing FTE.

5. List each course number (or title) and give the value of the development of curriculum in each course to other faculty members.

Egan Riordon 50%
Kelly Mathers 50%

6. List each course number (or title) and say how many students will be served by the development of curriculum in each class.

The program enhancements will impact 60 students in the Automotive Program.

7. List each course number (or title) and give the specific benefits to students that you expect from the development of curriculum in each class.

This gives the students a greater ability to evaluate a vehicles needs according to meter. This relates to the diagnostic ability in the workplace and trains the students to be prepared on the industry application.

8. List each course number (or title) and give the specific benefits for diversity that you expect from the development of curriculum in each class.

The cars will be live moving vehicles instead of parked cars in the shop to assess the appropriate needs.

9. List each course number (or title) and give the specific benefits to sustainability that you expect from the development of curriculum in each class.

This would continue to increase the enrollment and fiscal sustainability.

10. List each course number (or title) and give the specific effects on distributed learning that you expect from the development of curriculum in each class.

N/A

Hours requested for Curriculum Development funding:

   Please enter the amount of one of the following:

- **100 hours maximum for new development.**
- **70 hours maximum for course revision**
- **50 hours for 3-4 credit conversion**
- **other (use if multiple courses addressed in one initiative**

Do not enter any characters other than numbers and a decimal.

How many hours are you requesting? If there are multiple courses addressed in the initiative, please list each course number (or title) and give the number of hours requested for each course.

60

Can this initiative be partially funded?

No

Partially funded curriculum development HOURS requested:

Explanation of effect of partial funding:

Funding Request: Technology Fee