

## Adv Tech 2011-12

### Diesel - #1 - Engine Overhaul Stands and Electronic Engines

#### Summary:

Update and enhance current lab stations to meet emerging Diesel industry training technologies.

#### Description

The Diesel program will rely on partial donations and direction from the advisory committee members. The rest of the funding requested to come from Carl Perkins for the required equipment including engine overhaul stands and electronic engines.

#### 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 has become the Diesel programs 1st priority for the last two years as they were partially awarded 2009 top initiative. This was listed as last year's top priority for the program.

**Describe the resources needed:**

Equipment

- 8 Engine Overhaul Stands (\$5,000 each)
- 8 Electronic Engines (\$5,000 each)

Request: Carl Perkins \$80,000

**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.**

Faculty will review, update and publish a set of program learning outcomes and associated performance indicators to include: employability skills, shop/laboratory safety, technical expertise, ability to pass industry certifications.

**Department Priority:**

8

**Unit Resources:**

There are no unit resources available.

**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?**

Yes

**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?**

This proposal is a request for funds to purchase engine overhaul stands and electronic engines. The engine overhaul stands and electronic engines will replace obsolete models and will be used as training stations by the students in the Diesel program in all six areas of instruction. The program curriculum will be designed to support the new training. The training from the stations will directly enhance the student's ability to be successful in today's work environment. It will also promote a safe working atmosphere in the practical application for the students. It will also provide an option for Automotive, Electronics, Drafting and Construction Technology students to expand their skills to the heavy-duty industry.

**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?**

These training stations will enable professional technical students in the Diesel, Automotive, Electronics, Drafting and Construction Technology programs to achieve their educational goals and technical skills in a manner that meets our industry expectations. A well-trained student will have a higher success rate, will be more productive in our community, and will support Lane Community College in the future.

**EQUIPMENT \$**

80000

**COMPUTER HARDWARE \$**

**COMPUTER SOFTWARE \$**

**MATERIALS & SUPPLIES \$**

**CURRICULUM DEVELOPMENT (Hours)**

**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**

**Funding Request: Technology Fee**