

Adv Tech 2008-09 Initiative: Diesel - Electronic Controlled Hydraulic System Training Station Priority 1

Summary:

This is an electronically controlled hydraulic system which represents the current off-highway industry standards. It will be mounted on a mobile training station and will include full authority diagnostic access. This is a requirement to meet the new accreditation standards for the association of equipment distributors (AED). The current accreditation expires in 2009. If this requirement is not met by purchasing this trainer the Diesel Program will no longer be accredited by AED.

Description:

This is an electronically controlled hydraulic system which represents the current off-highway industry standards. It will be mounted on a mobile training station and will include full authority diagnostic access.

Strategic Direction

- Build organizational capacity and systems to support student success and effective operations.
- Create, enhance, and maintain inviting and welcoming facilities that are safe, accessible, functional, well-equipped, aesthetically appealing and environmentally sound.
- Position Lane as a vital community partner by empowering a learning workforce in a changing economy.

Learning Plan Goals

- Curriculum enhancement.
- Enhance student success and retention
- Enhance student transitions at all levels.

Student Affairs Plan Goals

- Create a Welcoming, Inclusive, and Responsive Environment.
- Develop policies and practices to increase student persistence.
- Enhance Recruitment Efforts.

College Council Priorities

- 1.b. Enrollment Management: Recruitment and Retention
- 1.c. Enrollment Management: Workforce Development

- 1.e. Enrollment Management: Increase Credit Enrollment Level
 - 1.f. Enrollment Management: Partnerships with 4-year Colleges and Universities
 - 4.2 Responding to unit plans/council plans: Curriculum Development
 - 4.3 Responding to unit plans/council plans: Enhancing Classrooms
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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 for the Diesel program.

The station will consist of a full authority electronically controlled hydraulic system and the technical manuals, tools and diagnostic equipment and software to support industry training. The cost will be \$55,000 for the station and \$10,000 for the support materials. The total cost of this initiative is \$65,000.

Describe the resources needed:

Equipment

*1 Hydraulic System trainer / Lab Station (\$55000 each)

Funding: Carl Perkins

Computer Hardware

*1 Hydraulic System trainer / Lab Station Computer (\$2000 each)

Funding: Carl Perkins

Computer Software

*1 Hydraulic System trainer / Lab Station Software (\$2000 each)

Funding: Carl Perkins

Materials & Supplies

*1 Technical Manuals (\$1000)

*1 Diagnostic fittings and adapters for the hydraulic system (\$2000)

*1 Diagnostic Cables and connectors to access the electronic control system (\$1000)

- 1 Diagnostic data link for communication with the electronic control system (\$1000)
- 1 Station Frame to mount trainer for use as a lab station (\$1000)

Funding:Carl Perkins

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:

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Unit Resources:

None

Carl Perkins Funding Request

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?

Question Not Answered

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 a Hydraulic System trainer / Lab Station. The trainer will replace an obsolete vehicle and will be used as a training station 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 station will directly enhance the students ability to be successful in todays work environment. 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?

This training station 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 \$

55000

COMPUTER HARDWARE \$

2000

COMPUTER SOFTWARE \$

2000

MATERIALS & SUPPLIES \$

6000

CURRICULUM DEVELOPMENT (Hours)

Question Not Answered

PART-TIME FACULTY \$

Question Not Answered

TIMESHEET STAFF \$

Question Not Answered

TRAVEL \$

Question Not Answered

Can this initiative be partially funded?

No

EQUIPMENT \$

Question Not Answered

(E) Explanation of effect of partial funding:

Question Not Answered

COMPUTER HARDWARE \$

Question Not Answered

(CH) Explanation of effect of partial funding:

Question Not Answered

COMPUTER SOFTWARE \$

Question Not Answered

(CS) Explanation of effect of partial funding:

Question Not Answered

MATERIALS & SUPPLIES \$

Question Not Answered

(MS) Explanation of effect of partial funding:

Question Not Answered

CURRICULUM DEVELOPMENT (HOURS)

Question Not Answered

(CD) Explanation of effect of partial funding:

Question Not Answered

PART-TIME FACULTY \$

Question Not Answered

(PF) Explanation of effect of partial funding:

Question Not Answered

TIMESHEET STAFF \$

Question Not Answered

(TS) Explanation of effect of partial funding:

Question Not Answered

TRAVEL \$

Question Not Answered

(T) Explanation of effect of partial funding:

Question Not Answered

Curriculum Development Funding Request

Technology Fee Funding Request