

Initiative Report for Adv Tech 2009-10

Manufacturing Technology - CNC Upgrade

Summary:

Purchase, install, and training for (4) CNC machine tools and tooling.

Description

Positioning Lane to benefit from the local demand in high-tech manufacturing. The outcome goal being to satisfy industry demand for a highly skilled CNC workforce.

Purchase, install and set up 4 control simulators CNC mills and and two CNC lathes and tooling. Includes faculty training and travel for purchases.

Lane is currently involved in developing a statewide manufacturing 1 year certificate. This equipment will allow the current manufacturing program to meet the demands of the certificate.

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 initiative was submitted in 2004/2005. No action or funding allocated. Faculty will direct installation.

Describe the resources needed:

Equipment

- 2 TM-1 Mills w/shipping (\$30,057 each)
- 2 TL-1 Lathes w/shipping (\$25,219 each)

- 4 Control simulators w/shipping (\$1,805 each)
- 1 Tooling package (\$2,200 each)

Request: Carl Perkins (EQP) \$119,972

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.

The measurable outcome would be to satisfy industry demand for a highly skilled CNC workforce thus increasing FTE in Manufacturing Technology.

Department Priority:

3

Unit Resources:

There are no division funds available for this purchase. Faculty will direct installation.

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?

Positioning Lane to benefit from the local demand in high-tech manufacturing. The outcome goal being to satisfy industry demand for a highly skilled CNC workforce and increase program FTE.

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?

Funding will allow the program to increase enrollment and provide more "hands on experience" that employers require now and in the future.

EQUIPMENT \$

120000

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