Adv Tech 2011-12

Fabrication/Welding - #2 - Plasma Shape Cutting Table

Summary:

Purchase a Plasma Shape Cutting Table.

Description

Purchase a shape cutting table with plasma cutting technology that has the ability to accept 4 x 8 metal sheets with plasma cutting technology necessary to cut up to 1/2 plate steel.

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.**

The programs old plasma shape cutting table ceased to function and was not repairable due to lack of parts. This initiative seeks funding to replace this technology. Shape cutting tables are typical technology found in most steel fabrication businesses that would employ our students.

This initiative has been submitted for the last two years.

The need for the shape cutting table remains. This initiative will again provide for hands-on instruction in technology that has been an integral component in the programs curriculum. Without machine-based technologies to train competencies, program efficiencies/productivities are reduced.

Welding technology programs depend on technology to train for industry where students will be required to operate same/similar technology. Greatest efficiencies/productivities are achieved
when students are trained on appropriate equipment they will be required to operate when employed.

Describe the resources needed:

Equipment
• 1 Plasma Shape Cutting Table ($70,000 each)
Request: Carl Perkins $70,000

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.

1) Equipment typically used in industry will be available for student training,
2) Students will learn to operate equipment typical of that found in industry,
3) Instructors will be exposed and trained on current technology,
4) Students will have opportunity to learn specific technology that in itself can represent a career path.

Department Priority:

25

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?

Funding the initiative will restore teaching capability to the program. Therefore it will both increase current program capability and re-establish functionality that has been lost by providing technology which was lost to age and dysfunction.

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 initiative requests funding for technology that would replace inoperable and non-repairable equipment of similar purpose but older generation technology. By providing an educational environment that is dependably functional and current in its technology, the program can sustain its mission to prepare students for employment.

EQUIPMENT $

70000

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