Adv Tech 2008-09 Initiative: Manufacturing Cluster - Curriculum Development Grant Match

Summary:

Lane is partnering with Lane Workforce Partnership in submitting a Cluster Partnership Grant in Manufacturing. Part of the grant application requires curriculum development matching funds from the College of $15,000. The grant is in the range of $300,000 +.

Description:

The plan would be to support 3 prototypes of skills sets that are identified from a needs assessment. Skill sets in modules that would support the "pull system."

A skill set module in CNC could be one. Two others could come these categories: Welding, Engineering Technicians, Machinists, Electrical /Electronic Technicians, Mechanical Drafters.

These funds would not be required if the grant was not awarded.

Strategic Direction

- Build organizational capacity and systems to support student success and effective operations.
- Position Lane as a vital community partner by empowering a learning workforce in a changing economy.
- Promote professional growth and provide increased development opportunities for staff both within and outside the College.

Learning Plan Goals

- Curriculum enhancement.
- Enhance student success and retention
- Increase support for innovation in instruction.

Student Affairs Plan Goals

- Assess the student experience from pre-enrollment through goal completion.
- Enhance Recruitment Efforts.
- Strengthen relationships with high schools, transfer institutions, community partners, and employers to enhance the student's preparation for and success in college, career, civic engagement, and community involvement.

College Council Priorities

- 1.c. Enrollment Management: Workforce Development
- 5.3 Instructional Redesign: External Revenue Generation
- 5.4 Instructional Redesign: Grants
- 5.6 Instructional Redesign: Local Funding

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. It is consistent with the division's initiatives to continuous improve the curriculum and to partner with the community.

If the grant is awarded, the college will benefit as a partner of the $300,000.

This grant would provide a source of resources to transform the manufacturing and allied disciplines from the current "push" system (classroom, lab and hopefully a job) to a "pull" system (employer sponsorship, student centered curriculum, internship and a job).

Describe the resources needed:

Curriculum Development
*535 hours of curriculum development to curriculum for this grant would provide a source of resources to transform the manufacturing and allied disciplines from the current "push" system (classroom, lab and hopefully a job) to a "pull" system (employer sponsorship, student centered curriculum, internship and a job). If the grant is awarded, the college will benefit as a partner of the $300,000.
*Funding:*Carl Perkins/Curriculum Development

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.

New curriculum based on the "Pull" system.

Better community partnerships through the Lane Workforce Partnership.

Better employer interaction with the college programs and students.

More motivated students to complete the programs.

Department Priority:

14

Unit Resources:

Manager oversight.

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?

The "pull" curriculum connects to incoming student to an employer and maintains that relationship throughout the education program. The students will be highly motivated since they are being "pulled" through the curriculum by their employer sponsor. Also, the quality of the applicants will increase because of this highly desirable outcome.

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 will increase the capacity of the existing faculty to teach a better curriculum to more motivated students.

EQUIPMENT $

Question Not Answered

COMPUTER HARDWARE $

Question Not Answered

COMPUTER SOFTWARE $

Question Not Answered

MATERIALS & SUPPLIES $

Question Not Answered

CURRICULUM DEVELOPMENT (Hours)

535

PART-TIME FACULTY $

Question Not Answered

TIMESHEET STAFF $

Question Not Answered

TRAVEL $

Question Not Answered

Can this initiative be partially funded?

Yes

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)

200

(CD) Explanation of effect of partial funding:

If the matching requirement is less than what is currently proposed. Once the proposal is submitted (end of February) then the amount cannot be changed.

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

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*

This is a request to match a $300,000 grant request made with community partners. The $15,000 match is for curriculum development in the manufacturing clusters (manufacturing, welding, electronics, drafting).

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)*

Change the curriculum from a "push' system to a "pull" system. Students in the push system are recruited, attend classes, complete a program and then look for employment. Student is a pull system are recruited, connected with a sponsoring employer, attend classes, complete a program and then hired by their sponsoring employer.

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

Unknown at this time.

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

Meet the needs of employers.

Create career pathways.

Place students in a career position at the conclusion of their program.

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

Unknown

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

Combined over 100 students.

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.

See above.

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.

Better job placement will increase the interest in these traditionally under-represented careers.

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.

Unknown

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.

Unknown

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.

535

Can this initiative be partially funded?

Yes

Partially funded curriculum development HOURS requested:

200

Explanation of effect of partial funding:

This is a request to provide $15,000 in curriculum development match for a grant. If this initiative is funded less than the $15,000 from this source, another source is required to make up the difference.

Technology Fee Funding Request