Bus/CIT 2010-11

CIT Health Informatics Technician AAS Degree Development

Summary:

The Health Informatics Technician AAS is a statewide degree. All courses will be available to LCC students at Lane or in online format through Portland Community College. Some courses at Lane need to be updated to meet outcomes for each course set by the state consortium. Other courses are in the catalog but have not been taught for some time. It is advantageous for Lane to put as many of the required classes online as possible so they could be available to students at other colleges through the proposed statewide Health Informatics AAS degree course pool.

Description

This request is for curriculum development funding. All the courses identified in the following list will support at least one other CIT program which will also benefit directly from this curriculum development. The funding is requested for the development of 8 new courses and revision to an existing course:

CIS 125D - revision
CIS 244
CIS 245
CS 133C#
CS 233C#
CS 275
CS 276
CS 277D
CS 277O

The total request is for 870 hours of curriculum development support.

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 that was not cited in the previous Unit Plan.

Describe the resources needed:

Curriculum development funding for eight new classes and revisions to one existing class:

CIS 125D - 70 hours of curriculum development
Request: Carl Perkins (CD) 70 hours
Request: Curriculum Development 70 hours

CIS 244 - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CIS 245 - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 133C# - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 233C# - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 275 - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 276 - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 277D - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

CS 277O - 100 hours of curriculum development
Request: Carl Perkins (CD) 100 hours
Request: Curriculum Development 100 hours

Total 870 hours of curriculum development support:
Request: Carl Perkins (CD) 870 hours
Request: Curriculum Development 870 hours

NOTE: Courses in italics serve multiple programs including GIS and Web Programming. Curriculum development funding for four of these courses (CIS 244, CS 133C#, CS 233C# & CS 275) is also requested in the Web Programming Degree Development initiative - funding allocated for these courses under either initiative will support both programs.

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 success of this outcome can be easily measured through:

- assessing the fill rate of these sections
- data analysis that reveals the extent of new populations served
- data analysis that reveals the extent of popularity of these classes as elective/service classes

Department Priority:

18

Unit Resources:

This initiative can be fully supported with existing departmental computers, software, staffing, and broad faculty participation with the faculty who are funded to do this development.

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?

This initiative is a result of the state-wide emphasis for Health Informatics curricula. The AAS degree is a state-wide collaborative effort to address the immense need to provide IT support for the Health care industry. It will broaden the knowledge of students who specialize in this aspect of IT and ensure their ability to provide future employers in the Health care industry with necessary skills.

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?

Health Informatics is a new program promising high employment demand. Increasing the number of courses available at Lane versus online through another institution will guarantee more in-house support and expertise available to students through our instructors, tutors, and lab resources.

EQUIPMENT $

COMPUTER HARDWARE $

COMPUTER SOFTWARE $

MATERIALS & SUPPLIES $

CURRICULUM DEVELOPMENT (Hours)

870

PART-TIME FACULTY $

TIMESHEET STAFF $

TRAVEL $

Can this initiative be partially funded?

Yes

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)

570

(CD) Explanation of effect of partial funding:

Funding could be allocated for some but not all of the course development. This is not optimal since it could directly impact the functionality of other programs depending upon them. For the Health Informatics AAS, every additional course available through LCC provides additional FTE and tuition to the college and would support student success and retention.

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

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**

CIS 125D - Mari Good
Approved course

CIS 244 - Jerry Ross & Brian Bird
Approved course
CIS 245 - Mari Good
Approved course
CS 133C# - Mari Good
Approved course
CS 233C# - Mari Good
Approved course
CS 275 - Linda Loft
Approved course
CS 276 - TBD
Approved course
CS 277D - TBD
Approved course
CS 277O - Linda Loft
Approved course

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)**

CIS 125D, CIS 244, CIS 245, CS 133C#, CS 233C#, CS 275, CS 276, CS 277D, and CS 277O:
1. Instructional goals, objectives, syllabi and outlines
2. Lab instruction packets
3. Practice, quiz, presentation &/or demonstration materials
4. Online Moodle sites

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

CIS 125D - Summer/Fall 2010
CIS 244 - Summer/Fall 2010
CIS 245 - Summer/Fall 2010
CS 133C# - Summer/Fall 2010
CS 233C# - Summer/Fall 2010
CS 275 - Summer/Fall 2010
CS 276 - Summer/Fall 2010
CS 277D - Summer/Fall 2010
CS 277O - Summer/Fall 2010

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

1. Marketplace relevancy for professional technical majors
2. Increasing (quality matters) online instruction
3. Increased capacity to meet market demand for current computer skills

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

CIS 125D, CIS 244, CIS 245, CS 133C#, CS 233C#, CS 275, CS 276, CS 277D, and CS 277O: Part-time and full-time instructors who teach the course will be able to utilize all developed materials.

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

CIS 125D - An additional*,approximately 100 to 125 the first year
CIS 244 - An additional*,approximately 25 to 50 the first year
CIS 245 - An additional*,approximately 25 to 50 the first year
CS 133C# - Approximately 50 to 75 the first year. This course also will serve the Gaming & Simulation AAS program, as well as the potential new GIS AAS program, additionally another 200+ students.
CS 233C# - Approximately 25 to 50 the first year. This course also will serve the Gaming & Simulation AAS program, as well as the potential new GIS AAS program, additionally another 200+ students.
CS 275 - An additional*,approximately 25 to 50 the first year
CS 276 - An additional*,approximately 25 to 50 the first year
CS 277D - An additional*,approximately 25 to 50 the first year
CS 277O - An additional*,approximately 25 to 50 the first year

*These courses will also serve a variety of AAS programs including Computer Network Operations, Computer Gaming & Simulation, Computer (web) Programming, and the GIS AAS currently under development.

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.

CIS 125D - give students up-to-date skills in database development for desktop computers
CIS 244 - give students up-to-date skills in systems analysis and design
CIS 245 - give students up-to-date skills in project management
CS 133C# - give students up-to-date skills in Visual Basic
CS 233C# - give students up-to-date skills in more advanced concepts of Visual Basic
CS 275 - give students up-to-date skills in relational design and data modeling of production scale databases
CS 276 - give students up-to-date skills in SQL for database applications
CS 277D - give students up-to-date skills in database administration and management
CS 277O - give students up-to-date skills in PL/SQL server-side database programming, performance, & tuning

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.

CIS 125D, CIS 244, CIS 245, CS 133C#, CS 233C#, CS 275, CS 276, CS 277D, and CS 277O: The online modes of instruction are the most flexible, and well suited to meeting the needs of a diverse population.

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.

CIS 125D, CIS 244, CIS 245, CS 133C#, CS 233C#, CS 275, CS 276, CS 277D, and CS 277O: Online instruction is required for sustaining program enrollment growth because it uniquely addresses the scheduling and learning needs of working students and of professionals seeking professional development. This reality is reflected in current enrollment patterns and FTE growth.

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.

CIS 125D, CIS 244, CIS 245, CS 133C#, CS 233C#, CS 275, CS 276, CS 277D, and CS 277O: The goal of this initiative is to have all of these courses available to students in an online format. It is advantageous for Lane to put as many classes that are a part of the AAS in Health Informatics online as possible since they could be available to students at other colleges through the proposed statewide Health Informatics AAS degree course pool. This has the potential to generate additional FTE and revenue for Lane.

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.

870

Can this initiative be partially funded?

Yes

Partially funded curriculum development HOURS requested:

570

Explanation of effect of partial funding:

Funding could be allocated for some but not all of the course development. This is not optimal since it could directly impact the functionality of other programs depending upon them. For the Health Informatics AAS, every additional course available through LCC provides additional FTE and tuition to the college and would support student success and retention.

Funding Request: Technology Fee