Bus/CIT 2010-11

CIT Develop BAS Degree in Computer Networking & Security

Summary:

This proposal is being included in Unit Planning to indicate our interest in developing a BAS. It is not a complete proposal and does not include any funding requests. If LCC receives state approval to develop such degrees, we will fully specify the courses, gather industry input on employment opportunities, and provide a complete budget and schedule for the plan.

Develop a BAS in Computer Networking and Security and all the additional courses that Lane's current two year Computer Networking degree graduates would need to complete the BAS.

Description

This project requires the development of two years of courses since Lane has a two year degree in Computer Networking. The current two year Networking degree would be restructured to allow the two year degree graduates the option to pursue the four year degree. Since there is not a four year degree in networking and/or security available in the state of Oregon, one is certainly needed. Reasons for implementing include:

- currently students who want to earn a 4-year degree in Networking or Security must leave the state of Oregon
- a BAS degree can focus on security content to the degree that employers would see it as helping to solve one of their greatest needs in technology
- increase students' exposure to the job market and their practice of industry skills by extending the Coop requirements to 12 or more credits
- an informal survey of current network majors indicates that more than two-thirds would pursue a BAS in Networking and Security (two-thirds is currently approximately 50 students)
- graduates more employable; employers would considerate them a better match due to their increased knowledge and due to the extended internship would have a better understanding of how they would fit into the organization
- even more students would be employable by Symantec, the largest employer in the state of people with networking and security skills
- articulation offers opportunities for students from nearby colleges
- BAS degree allows us to require more business, communications, and general education classes providing graduates with a greater diversity of knowledge and skills

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.**

Describe the resources needed:

NOTE: We are not requesting resources for this initiative at this time. These estimates are for information only.

Hire one or two additional new contracted faculty (two needed if the request in another initiative for an additional network/security faculty is not granted):
Would be less than the current highest faculty salary $72,792 + $40,399 OPE = $113,192 since new faculty would not be starting at the highest Step of the pay scale.

Curriculum development funding for 15 new classes:

Course numbers/names unknown at this time
Request: Carl Perkins (CD) 1,500 hours
Request: Curriculum Development 1,500 hours

Total 1,500 hours of curriculum development support:
Request: Carl Perkins (CD) 1,500 hours
Request: Curriculum Development 1,500 hours

NOTES: In order to expand offerings, another dedicated CIT lab would be required (see initiative titled CIT Convert 19-119 to a Pre-Assigned Lab). All BAS programs would have a minimum of 3-4 courses in common that would only need to be developed once.

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.

Department Priority:

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Unit Resources:

Funding Request: Carl Perkins

Funding Request: Curriculum Development

Funding Request: Technology Fee