Department Annual Report

2012-2013

Computer Information Systems

CIS – Network Administration

147

Document Prepared By:

Timothy Koets, CIS Department Head

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Department Information

Current year goals

The goal for this program over the past year was to include more network security in our networking curriculum. We made this a goal due to the Information Security degree using many networking courses and the issues of security being more prevalent today than ever before. We updated the CARPs for the various courses we wanted to increase security content within to reflect those changes.

Goals for next year

The networking field relies heavily on certifications – more than any of the other field in our discipline. Due to this, we want to incorporate more certification-based instruction in our courses and provide vouchers so that students can take a course or set of courses and pass a certification exam if they desire to do so. Another goal for this program is to include a capstone course that would be a new course or modification of an existing course. In the capstone course, the student would be evaluated on all skills acquired in the program and prepared for one or more certification exams.

Internal collaborations and partnerships

At this time there are no internal collaborations or partnerships in this program.

External collaborations and partnerships

At this time there are no external collaborations or partnerships in this program.

Departmental needs for support from other departments within the college

We are collaborating extensively with Katie Daniels, our Curriculum Design Specialist, as well as Institutional Research, in order to obtain data to give us guidance on the direction we should move and to redevelop an improved program and curriculum to support it.

Program accreditation Updates

No accreditations have taken place this year for this program.

Description of departmental advising plan and outcomes

The faculty within our department have successfully executed the advising plan for this program. With the modifications we intend to make in the coming year, we will update the advising plan for our faculty as well as the career center.
Updates About Student Organizations and Achievements

None

Other department updates

None at this time

Faculty & Staff

Departmental Professional Development Activities (Contractual Obligations for Departmental Faculty Development/6 hours)

All faculty members in our department participate in bi-monthly curriculum planning and design meetings. The purpose of these meetings is to establish a plan of analysis and possible revisions of all our academic programs, including curriculum within each program. The meetings result in tangible steps, or “assignments”, each faculty member contributes to fulfilling so that we move forward and make progress as rapidly as possible while maintaining quality.

Faculty Professional Development Activities - Year End Summary

Tim Koets has worked extensively with Katie Daniels and Patti Trepkowski to analyze how successful this degree has been (measured by several benchmarks) and how best to improve it. This work has included research on pass rates, employment opportunities, concerns with curriculum, the nature of the program and how it interfaces with the Department of Labor and surrounding institutions, and the creation of measurable plans in improving the program.

Faculty Development Plans for Upcoming Year

I expect each faculty member to contribute in designing a program to replace this program. I need members within my department to assess the place of and effectiveness of each course in the program. We need to determine what should stay and what should go, and if any new courses should be developed. Numerous opportunities for faculty development should present themselves as we progress through the upcoming academic year.

EOL/Release Time Work

No EOL/Release Time work used this year.

Faculty & Staff Accomplishments/Awards

No documented faculty and staff accomplishments, awards, innovations, or presentations for the 2012-13 academic school year.
Program Data- Perkins Indicators

1P1: Technical Skills Attainment
State Level Expectation: 91.08%  Program Level: n/a  Met Expectation: n/a

2P1: Credential, Certificate, or Degree Attainment
State Level Expectation: 26.93%  Program Level: 9.52%  Met Expectation: No
Data Trend: no prior data available to determine trend

3P1: Student Retention and Transfer
State Level Expectation: 70.00%  Program Level: 77.78%  Met Expectation: Yes
Data Trend: no prior data available to determine trend

4P1: Student Placement
State Level Expectation: 70.00%  Program Level: 100.00%  Met Expectation: Yes
Data Trend: no prior data available to determine trend

5P3: Student Completion in Unrepresented Gender Groups
State Level Expectation: 23.62%  Program Level: 11.54%  Met Expectation: No
Data Trend: no prior data available to determine trend

5P2: Student Participation in Nontraditional Fields
State Level Expectation: 20.65%  Program Level: 0.00%  Met Expectation: No
Data Trend: no prior data available to determine trend

Summary

The 2P1 indicator can be raised as we integrate certification exams into the program and do a better job of moving students through the program. The 5P2 and 5P3 indicators can, perhaps, be raised by reaching out to these two groups using better marketing efforts.

Curriculum

Course Improvement Projects

We integrated network security in many of our courses in this program over the year as indicated in their respective CARP documents. Next year we plan to do extensive curriculum revisions across all programs.
Program Improvement Projects

*The department took on the task of evaluating all of our academic programs this year to ensure we have current, desirable, and marketable programs.*

Course Document (CARP) Updates completed this year

*CO117, CO122, CO124, CO156, CO205, CO255, CO262*

Assessment of Student Learning

*Please answer the questions below for each assessment project that you are working on this year. If you have more than one project, simply cut and paste the headers for each section below, in order to create a report for each.*

**Program Learning Outcome(s) assessed this year**

We assessed the program learning outcome that “students should understand the importance of and means of protecting a computer network against attack from both internal and external sources.”

**Measures of Student Learning**

We gave students a test asking them questions about network security in the terminal networking course of the program. Our goal was to determine how many students could answer the questions and to what extent.

**Initial Data and Findings**

A sampling of 20 students was evaluated. About 45% of them were able to answer 75% or more of the security questions we deemed appropriate for the present state of the industry.

**Curricular or Pedagogical Changes Implemented**

The result of this test demonstrates the need for our curriculum to be strengthened so that network security is given more attention and evaluated for student understanding and application. As such, we have put plans in place to alter our course structure to accomplish that objective. We will repeat this test on a regular basis and evaluate our success toward that end.

**Data and Findings (post improvement/change)**

We have not yet implemented the changes in our curriculum but will beginning in the 2013-14 academic year. At the end of next year we should be able to present our findings to see if improvement has been made in this area.