Computer Science Advisory Board

Annual Board Meeting
April 30, 2010

Department of Computer Science
College of Science and Health
Agenda

• 12:30pm – 1:15pm: Lunch
• 1:15pm – 1:30pm: Introduction
• 1:30pm – 1:40pm: Welcome Remark (Sandra DeYoung)
• 1:40pm – 2:00pm: Annual Report of the CS Program (Cyril S. Ku)
• 2:00pm – 2:15pm: Break
• 2:15pm – 3:00pm: Current State of the Industry (Megan Restuccia)
• 3:00pm – 3:30pm: Discussion – Purpose, Roles and Expectations of the Advisory Board
CS Program Annual Report

• ABET Accreditation Visit
  • New Program Educational Objectives to describe characteristics and accomplishments of our graduates – please see new objectives in http://cs.wpunj.edu/cs/mission_goals.html
  • Assessment of new objectives – data gathering from Alumni Surveys and new graduate survey has been drafted, working with IR&A on Facebook application to conduct graduate survey
  • Program quality assurance – continue course binder (syllabus, homework, projects, tests, exams, subjective evaluation, objective assessment) review. CS 215, CS 260, and CS 480 are to be assessed by the end of spring 2010 (4 year cycle).
• **Course Development**
  
  • CS 201 and CS 230 – finished binder review, standardize course coverage and exams
  
  • CS 215 – standardize course materials and exams, course assessment, utilize Blackboard technology
  
  • CS 342 – changed from 3 credit course to 4 credits
  
  • CS 240, CS 342, and CS 350 Course Linkage – plan to introduce object-oriented design using UML in CS 240
  
  • CS 350 and CS 480 – software design (UML with Visual Paradigm) in CS 350 and software implementation as a project for CS 480
  
  • CS 399 (Net-Centric Computing) – being offered in fall 2010
  
  • CS 399 (Computer and Network Security) – offer in spring 2011
  
  • UCC and Technology Intensive course development – near future focus
CS Program Annual Report (Cont’d)

• Program Development
  • Changed transfer GPA from 2.5 to 2.0
  • CIS Major – initial draft, major focus in the coming semesters (together with UCC course development)

• Department Activities
  • New server on order, replaced energy inefficient equipment (displays, UPS) – no hardware downtime this year
  • 5 seminars, colloquia, or lectures
  • UPE Honor Society Induction and Award ceremonies
  • New student welcome party and graduating breakfast
  • Computer Science Society, ACM Student Chapter, Student Tutors, Lab Assistants, Research groups (fiber optics design and digital signal processing)
Current State of the Industry

Megan Restuccia
(Vice President, Morgan Stanley)
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(Vice President, Morgan Stanley)

Megan is currently a certified instructor with the SANS Institute as well as a Vice President at Morgan Stanley. She has over 14 years experience in information technology with an extensive background in networking, Unix/Linux and Windows environments for both small and large organizations. Megan currently holds professional certifications including RHCE, CCWD, CISSP, GSEC, GREM, and a certificate in GGSC.

Megan holds a BS in Computer Science from William Paterson University (1999) and an MBA from Columbia University (2006). Megan’s most recent focuses were on DLP, security regulations, secure infrastructure design, desktop encryption, as well as secure applications design and training.
Discussion Session

Purpose, Roles and Expectations of the Computer Science Advisory Board
Purpose of the Advisory Board

The purpose of the Computer Science Advisory Board in the Department of Computer Science at William Paterson University is to provide direct input to the Department regarding Department’s commitment to educate the next generation of computing professionals. This involves two major functions for the Advisory Board:

- Advising our Department to achieve and to evaluate the Program Educational Objectives*
- Upon request, provide feedback on specific aspects of our program and its Program Outcomes*

* The Computer Science Program Educational Objectives and Program Outcomes are listed on our department website: [http://cs.wpunj.edu/cs/mission_goals.html](http://cs.wpunj.edu/cs/mission_goals.html)
Roles and Expectations

- [Board]: If possible, provide internship / employment or make connections of internship / employment opportunities for our students
- [Board]: Review and respond to our requests for industry and other academic perspectives such as student retention plan, student recruitment strategy, assessment plan, course and curriculum development, etc.
- [Board]: If convenient, conduct seminars or make connections to provide relevant presentations / talks to our students
- [Board]: Participate in the Annual Board Meeting (meet once per academic year, usually the last Friday of April or the First Friday of May) and other invited activities
- [Board]: Conduct outreach on behalf of our department by making others aware of our Department’s achievements
- [Department]: Consider opinions and recommendation from the Board, provide relevant departmental information and documents, and invite participation in Annual Board Meeting and other activities
- [Department]: Select Board membership and the Board members can expect recognition in Department communications to the educational community and to the public
THANK YOU