

To: A&S Curriculum Committee  
UCC Curriculum Committee  
From: Dr. Susan Strayer  
Date: 3/26/2009  
Re: Revision of BS in Computer Science

Last year we submitted several changes to the Computer Science program related to restructuring our offerings in networking. Our updated checksheet reflects these changes as well as several other modifications mandated by our pursuit of accreditation by ABET.

The changes are as follows:

- Including CISC200 Introduction to Networking and COMP315 Network Programming course as core requirements. Students have indicated more interest in networking in our exit surveys. COMP315 was approved last year as a new core requirement and CISC200 is the prerequisite for the class.
- COMP202 is the new number for COMP375 Systems Programming and CISC304 is the new number for COMP420 Data and Computer Communications
- CISC220 Contemporary Issues in Computing was added as ABET mandates more coverage of social, legal and ethical issues in Computer Science programs.
- COMP460 Compiler will be replaced by COMP415 Structures of Programming Languages. ABET requires programs to expose students to a variety of languages and environments. COMP415 was formerly an elective and COMP460 will now become an elective. This change was also recommended by our external reviewer during our last five year review.
- ABET mandates 30 s.h. in Math and Science and the science classes must be those taken by science or engineering majors. We currently require 18 s.h. in Math in our general education electives, our core and our major electives. We now require 6 credits in lab science courses for majors rather than the general education classes. We have created a math/science category in our major electives and have added several science courses to that category.
- Students must choose 6 s.h. from a specific set of major electives. ABET mandates 40 s.h. in specific Computer Science topics. Restricting a subset of the major electives to specific classes ensures we meet this requirement.
- Two ART courses (217 and 308) have been added as major electives. Students have consistently indicated interest in Computer Graphics and User Interface design in surveys of incoming students and exiting seniors.

The updated checksheet has also been reformatted to assist students and faculty in advising.