



Department of Computer and Information Sciences

2002 Curriculum Revisions

In order to remain in conformity with the new curricular guidelines published by the Association of Computing Machinery (ACM) and the IEEE Computer Society, the Computer Science faculty recently made several significant changes in the computer science degree requirements.

Students who enter IUSB after January 1, 2003, and major in computer science will be required to meet the new requirements. **Students who have entered before that date** may choose whether to graduate under the new requirements or under the "old" requirements that were in force on the date when they entered.

Briefly, the changes from the old requirements are these:

- (1) The **calculus** requirement will be reduced from 10 credits to 6 credits. (instead of taking MATH M215 and M216, students can take M208 and M209.
- (2) There will be a new requirement to take 4 credits in **probability (M260, 2cr.) and statistics (M261, 2cr.)** through the Math Department. The M260 probability course will become a prerequisite for CSCI C455 Analysis of Algorithms.
- (3) There will be a new requirement to take a 4 credit course in **digital electronics** in the Physics Department **PHYS P303** (that course is currently under development).
- (4) A new 2 credit course, **CSCI C151 Multiuser Operating Systems**, will be added to the core curriculum. This course will be a prerequisite for CSCI C243.
- (5) The CSCI courses **C311 (Programming Languages) and C455 (Analysis of Algorithms) will be reduced from 4 credits each to 3 credits each**. Some of the present content of C455 will be shifted into CSCI C251 (Foundations).
- (6) Some of the present content of **C251** will be shifted into **C243**.

These changes will be phased in over the next two years. This means that if you want to graduate under the old requirements in force when you entered IUSB, then you **must act quickly** to complete certain courses before their content, prerequisites, and/or number of credits change. Here is the **timetable** that you can use in planning how to complete these courses:

C243 Data Structures - will be given in its current form in Fall 2002 (evening) and Spring 2003 (daytime); the current prerequisite is C201. Starting Fall 2003, both C151 (a new course) and C201 will be prerequisites for C243.

C251 Foundations of Digital Computing - will be given in its current form in Fall 2002 and Fall 2003 (it is not given in the spring semester). Starting in Fall 2004 it will have significantly different content.

C311 Structure of Programming Languages - will be given as a 4 credit course in Fall 2002 and Fall 2003 (it is not given in the spring semester). Starting in Fall 2004 it will be reduced to 3 credits.

C455 Analysis of Algorithms - will be given in its current form in Spring 2003 and Spring 2004 (it is not given in the fall semester). Starting in Spring 2005 it will be reduced to 3 credits. The current prerequisite is C251, but starting in Spring 2005 a course in probability will also be a prerequisite.

The department strongly urges you to arrange for academic advising as soon as possible so that you and your adviser can work out a plan that best suits your needs. Dr. Hakimzadeh and Dr. Knight are both eager to work with students on this matter. Please feel free to call and make an appointment with either of them, or with any other member of the Computer Science Department.