Initial Computer Science MS Degree Program Proposal

9/30/14

Summary – This program has 18 units of required 600-level courses and 12 units of 500/600-level courses. It keeps the CSCI 693 research class as a culminating experience, to manage program workload, but still allows professors to select promising students to work on projects.

Net changes: CSCI 511, CSCI 611, and CSCI 620 are no longer required.

Note: To assure these students get programming experience, CSCI 540, CSCI 640 and CSCI 630 will be ‘programming intensive’ courses.

* Required courses:
  + CSCI 540 – Systems Programming (as a prerequisite for 640 – if they had the equivalent in their BS degree they can choose another course)
  + CSCI 630 – renamed ‘Software Quality Assurance and Testing’
  + CSCI 640 – Operating Systems (idea is to prepare them to actually write a major part of an OS in this grad class)
  + CSCI 650 – Design and Analysis of Algorithms
* Elective courses:
  + Choose 2 600-level courses
  + Choose 3 500 or 600-level courses if 540 is a part of their MS program, otherwise choose 4 500 or 600-level courses
* Required culminating experience:
  + CSCI 693 OR MS Project class