

Proposal to revise GUR in Computing and Mathematics

February 18, 2009

1. Reword the philosophy section of the General University Requirements (GUR) in Computing Sciences and Mathematics to the following:

Computing Sciences:

An understanding of the nature of computing, its impact on society and the driving forces behind its pervasive deployment is integral to effective functioning as a professional and as a citizen. Each student should learn to use software and computing systems and to access, store, process and analyze information as an essential aspect of critical thinking and problem solving. Depending on the discipline, the student should also develop an ability to design algorithms, to write programs, and to use software tools.

Mathematics:

The ability to reason qualitatively and quantitatively, to understand probability, and to apply mathematical models to a variety of circumstances is fundamental to making informed decisions in the modern world. Depending on the discipline, the student should also be able to apply calculus and numerical methods to the solution of problems in their professional domain.

2. Increase the Computing Sciences GUR from 2 to 3 credits.

Note: Consistent with past and present practice, UCRC will at a later time amend the requirements section of the GUR as new courses satisfying the above philosophy section are developed and approved.