

**Proposed Program:  
Certificate in Computational Science and Engineering  
to be Effective in the 09-10 AY**

December 2, 2008

A group of faculty from across campus have proposed a Certificate in Computational Science and Engineering at the University of Delaware. The philosophy of the program is that we increase the capabilities and understanding of the student in a broad range of areas utilizing floating point or symbolic computation for solving medium to large scale problems in computational mathematics, science and engineering.

This is an interdisciplinary program currently involving seven departments and two colleges (Mathematical Sciences, Physics and Astronomy, and Computer and Information Sciences in Arts & Science; Chemical, Civil and Environmental, Electrical and Computer, and Mechanical in Engineering). The post-baccalaureate Certificate in Computational Science and Engineering may be completed with non-degree graduate status or as part of a graduate degree program. Students in this certificate program may thus have full- or part-time status. The essence of the certificate is to successfully complete 15 credits of courses from a list of required and elective courses from at least three of the departments involved.

More details are given in the Academic Approval Form and the draft Program Policy Statement.