

Thursday, July 24, 2008

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## Math, Workforce Development departments to use \$103,000 NSF grant for computational science certificate



The Mathematics Department and the Workforce Development Department were recently awarded \$102,946 from The Ohio State University Research Foundation for work to develop a certificate program that will enhance computational science skills in the workforce.

The project, "Improving American Competitiveness through Workforce Education in Cyberinfrastructure Applications," was awarded by the National Science Foundation (NSF) to the Ohio Supercomputer Center.

According to **Gerald Mueller**, professor in Mathematics, the award "is to develop and deliver computational science certificates (CSci) for workforce training for business and industry, beginning early next year."

Mueller explains that those interested in this certificate might be working professionals such as engineers looking to update or improve their skills. "There is an increasing need by business and industry for workers trained in computational science modeling and simulation methods and high-performance computing," says Mueller.

**Cheryl Hay**, administrator for Business & Industry Training, and Mueller are the senior

personnel working with the grant for Columbus State.

This grant builds on the first NSF CI-TEAM grant to develop competencies and curricula for a statewide bachelor's degree with a shared-minor in Computational Science.

Columbus State is a member of an Ohio consortium of nine public and private colleges and universities, including Ohio State, Capital University and Sinclair Community College, the Ohio Learning Network and connections to business and industry.

According to Mueller, the statewide effort for computational science education is directed by the Ralph Regula School for CSci in cooperation with the Ohio Board of Regents and Ohio Supercomputer Center. Each campus in the consortium has a CSci faculty coordinator who works with the Regula School on curriculum, student advising and the cross-registration process, with Mueller currently serving in that role for Columbus State.

Mueller is also working with **John Nedel** from the Math Department, who is the principal developer for a new course called Introduction to Modeling and Simulation. The material for the course could be integrated as modules for an introductory certificate under the new grant. The Regula School coordinates the sharing of courses and modules and provides technical support for both the minor and the certificate program.

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## What's all the racket in Delaware Hall?



If you've been walking or driving by Delaware Hall this summer quarter you've undoubtedly seen and heard the racket of renovation going on inside (and outside!).

The exciting project involves an almost total interior renovation of the space previously occupied by the Bookstore, as well as surrounding facilities including the Fitness

Center.