

Material Science Nanoengineering Laboratory Renovation

Recommendation

It is recommended that the Board of Governors authorize the President or his designee, to award contracts to renovate and create a new laboratory in the Engineering Building to support the instruction of nanoengineering courses for a project cost of not to exceed \$500,000. Funding for this project will be provided from grants received by the College of Engineering.

Background and Project Description

The original Engineering Building was constructed in 1951 and subsequently expanded with an office wing in 1987. In 2008, the Danto Engineering Development Center (EDC) was added to the building thereby creating a 270,000 square foot complex supporting instruction, research and office requirements of the College of Engineering.

The new Materials Science and Nanoengineering Laboratory will support basic engineering coursework currently held in the Manufacturing Engineering building, as well as courses held in a number of spaces within the Engineering Building. Presently, enrollment in these courses range between 100-150 students per semester. This project will allow the College of Engineering to consolidate courses and students in a state of the art laboratory designed to enhance current and future coursework.

The project scope will include new fixed and flexible laboratory furniture, fume hoods, interior finishes and lighting, as well as space for collaborative teaching using smart boards and AV equipment. Mechanical and electrical systems will also be updated to accommodate the new technology and needs for the program.

All contracts for this project will be awarded in accordance with University policies and procedures, and with a focus on sustainability.