Chemical Sciences and Advanced Materials Building

Background

STEM education at UMD

- University of Minnesota Duluth strengthens local and regional industries by providing research partnerships and a prepared workforce.
- Job placement rates for chemistry, biochemistry, and engineering graduates are over 95%.
- Over 1,000 students take chemistry classes each week. Undergraduate majors in chemistry and biochemistry increased 39% between 2008 and 2012; graduate majors increased 36%.
- In 2012, 150 qualified STEM degree applicants were denied admission because of lack of laboratory and learning spaces.
- In 2012, Duluth graduate Brian Kobilka won the Nobel Prize in Chemistry.

Project Description

Build a 56,000-square-foot facility to meet the research and learning needs of students in chemistry, biochemistry, material science, and engineering

- Research laboratories
- Instructional laboratories
- Classrooms and informal learning spaces
- Office and collaborative spaces

Existing laboratory and learning spaces are unable to meet student demand.
Benefits

Student success

- The new space will allow for a new advanced materials science and engineering program, which will increase enrollment by 250 undergraduate students and 50 graduate students by 2018.
- The new laboratories will allow more students to participate in research, a hallmark experience of UMD’s science and engineering programs.
- The facility will help recruit top faculty as retirements cause a turnover in the next five to ten years.

Industry partnerships

- The facility will foster programs with direct benefits to Minnesota industry through initiatives in pharmaceutical and biomedical sciences, energy, environmental science, mineral processing, computation, and materials development.
- Research partnerships with corporations throughout northeastern Minnesota will advance key industry sectors.
- Dedicated laboratories and collaborative space will focus on new technologies, improving efficiencies, reducing waste, and finding innovative solutions.

State investment: $24 million

- University funding: $12 million
- Total project cost: $36 million

For More Information http://z.umn.edu/6stepsforward