



CAPITAL REQUEST

2017

Chemistry and Advanced Materials Science Building

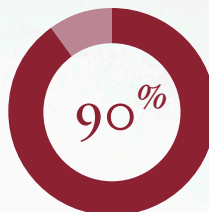
STEM EDUCATION

is critical to Minnesota's economic prosperity and chemistry is the gateway to STEM programs

UMD's chemistry classes are at maximum capacity, with over

5500 STUDENTS
taking chemistry courses this year

UMD's current chemistry building (1948) is unable to support the technology, equipment, and flexible spaces needed for today's education and research.



of UMD students are from Minnesota, and over half are from Greater Minnesota



Chemistry and Advanced Materials Science Building

Project Description

Construct on the Duluth campus a 58,000-square-foot science and engineering building with flexible wet and dry labs and modern utilities, environmental controls, and safety accommodations.

Benefits

Support the Legislature's efforts to strengthen STEM education in Minnesota

- Increase STEM graduates sought by local industries and employers
- Attract high-quality STEM faculty

Conduct leading-edge research

- Create instrument-rich learning and research opportunities
- Foster interdisciplinary environments to promote discovery

State request: \$28.3 million

- University investment: \$14.1 million
- Total project cost: \$42.4 million
- 2014 state design investment: \$1.5 million



In 2014, the legislature invested \$1.5 in predesign and design of the Chemistry and Advanced Materials Science Building.



Constrained bench space and restricted sightlines between instructors and students in current chemistry lab spaces limit learning opportunities.



U of M Duluth's Swenson College of Science and Engineering aims to add 370 additional students to its STEM programs over the next five years.