

UNIVERSITY OF MINNESOTA

Driven to DiscoverSM Leadership and Innovation in Chemical Engineering and Materials Science

Research Areas

- *Applied & Computational Mathematics*
- *Biological Engineering*
- *Catalysis, Separations & Reaction Engineering*
- *Electrochemical Materials & Devices*
- *Electronic, Magnetic & Photonic Materials*
- *Electron Microscopy*
- *Energy*
- *Materials Processing*
- *Materials Theory*
- *Nanomaterials & Nanotechnology*
- *Nanomechanics & Plasticity*
- *Polymer Science & Engineering*
- *Systems Engineering*
- *Transport & Fluid Mechanics*



Downtown Minneapolis as seen from campus.

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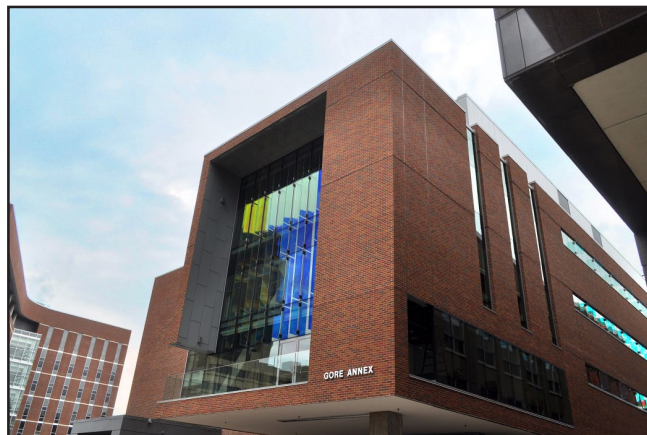
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Gore Annex addition completed in 2014 added 40,000 square feet of lab and meeting space to Amundson Hall.

The Department of Chemical Engineering and Materials Science at the University of Minnesota-Twin Cities has been renowned for its pioneering scholarly work and for its influence in graduate education for the past half-century. Our department has produced numerous legendary engineering scholars and current leaders in both academia and industry. With its pacesetter research and education program in chemical engineering encompassing reaction engineering, multiphase flow, statistical mechanics, polymer science and bioengineering, our department was the first to foster a far-reaching marriage of the Chemical Engineering and Materials Science programs into an integrated department.

For the past few decades, the chemical engineering program has been consistently ranked as the top graduate program in the country by the National Research Council and other ranking surveys. The department has been thriving on its ability to foster interdisciplinary efforts in research and education; most, if not all of our active faculty members are engaged in intra- or interdepartmental research projects. The extensive collaboration among faculty members in research and education and the high level of co-advising of graduate students and research fellows serves to spark new ideas and foster innovation. Our education and training are known not only for rigorously delving into specific and in-depth subjects, but also for their breadth and global perspectives. The wide-ranging collection of high-impact research projects in these world-renowned laboratories provides students with a unique experience, preparing them for careers that are both exciting and rewarding.



Downtown Saint Paul

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