

Chemistry

Chemistry is at the core of basic and applied research to enhance human, environmental and economic health. It is the central science, essential to our understanding of the natural world, and provides the fundamental underpinning to diverse fields such as biology, material science, nanotechnology, and environmental science.

The **goals** of the Chemistry Department are to cultivate:

1. Research seeking new discoveries that enhance basic knowledge and promote sustainable human, environmental, and economic health.
2. Education of responsible chemists with strong skills who will employ them to benefit society.
3. Training of all MTU scientists and engineers whose professions demand effective application of chemical principles.

These goals require a faculty dedicated to education and research, modern teaching and research laboratories, incentives for excellence, and support for innovative projects.

Campaign Priorities:

- I. Chaired professorship: to honor a faculty member who nationally recognized for excellence in research and/or education.
- II. Modern space:
 - a. New biophysical sciences laboratory (in existing space): remodelling and equipment for teaching our new Biochemistry and Pharmaceutical Chemistry curricula.
 - b. New energy efficient, 'green' chemical sciences building with modern research and teaching laboratories.
- III. Support for excellence:
 - a. First year scholarship to attract the most talented applicants to the department.
 - b. Undergraduate research fellowships to support full time summer research.
 - c. Outstanding undergraduate research award.
 - d. Summer research fellowship for graduate students.
 - e. Named visiting scholar program: to bring eminent scholars to campus to interact with students and faculty.
 - f. Innovation award: seed funds to allocate to faculty or students to initiate new, innovative projects in education or research.