DEGREES & PROGRAMS
BS, MS and PhD

EDUCATION
Widely regarded for its educational teaching innovations, including ongoing development of computer-aided learning environments.

Provides the bulk of laboratory-based undergraduate training on campus, teaching thousands of students in dozens of majors.

Mentorship of undergraduate and graduate students engaged in laboratory research is a high priority. All BS majors do research.

Host of the annual Chemistry Olympiad for high school students.

Leader in developing iCons: integrated Concentration in Science program to train tomorrow’s leaders.

13 winners of the University’s Distinguished Teaching Award; the most on campus.

RESEARCH AREAS

Chemistry-Biology Interface: Researching the chemical basis for disease, using approaches such as crystallography, spectroscopy, and protein engineering.

FACILITIES
Research laboratories in the new Physical Sciences Building, LGRT, the Life Sciences Laboratory, and Goessmann

Teaching laboratories are located in the Integrated Sciences Building.

STUDENT ORGANIZATIONS
Chemistry Club
American Chemical Society (ACS) student chapter

POINTS OF PRIDE
Jeanne Hardy won the inaugural Mahoney Life Sciences Prize for her research on proteins linked to Alzheimer’s disease.

Graduate student Christie Ellis won the inaugural CNS Excellence in Diversity & Inclusion Award.

Graduate student Emil Samson won a prestigious NSF Graduate Research Fellowship.

Lila Giersch was awarded the Ralph F. Hirschmann Award in Peptide Chemistry from the American Chemical Society.

LEADERSHIP & HONORS
Faculty chair or co-chair a large number of national and international conferences and symposia, and serve as editors and on the editorial boards of many top journals.

Lila Giersch is the Editor-in-Chief for the Journal of Biological Chemistry.

Vincent Rotello is the Editor-in-Chief for the journal Bioconjugate Chemistry.

Lynmarie Thompson directs the Chemical-Biology Interface program; Jeanne Hardy is director of the Biotechnology Training Program—both interdisciplinary training grant programs are supported by the NIH.

Craig Martin developed the 3-D Molecular Playground, located in the Integrated Science Building, which showcases molecular science to the general public.

The Collaborative Undergraduate Research Experience (CURE) REU program provides summer research opportunities to non-UMass undergraduates, some of whom go on to become graduate students in the chemical sciences.

Justin Fermann is Director of the iCons program.

Chemistry faculty have had 11 patents licensed to several companies in recent years.

S. "Thai" Thayumanavan received an NSF award to establish the Center for Autonomous Chemistry.

BY THE NUMBERS

tenure faculty: 23
lecturers: 10
visiting assistant professors: 2
postdoctoral fellows: 7
undergraduate major students: 189
graduate students: 129
available scholarships: 25+
research awards: $10.7M