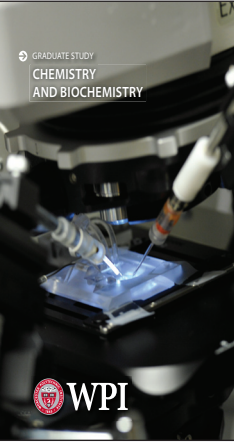


Brochure Three Panel Fold Sample: 8.5" X 11"

IN THE HEART OF NEW ENGLAND, WPI's beautiful 80-acre campus is located in a charming residential area of Worcester, Massachusetts, conveniently near one of the nation's major transit lines via the commuter rail service. Affordable and accessible—less than an hour to Boston and 1.5 hours to New York—Worcester is home to more than a dozen colleges and universities and offers a rich and diverse cultural and social experience of a great college town. In the heart of the New England technology corridor, WPI's location offers vast opportunities for collaborative research and meaningful careers.

GRADUATE STUDY
**CHEMISTRY
AND BIOCHEMISTRY**




BEYOND WPI

WPI's location places you in the center of one of the most vibrant regions for chemistry, biotechnology and pharmaceutical innovation in the United States. Graduates of WPI's chemistry and biochemistry programs continue to pursue important research and serve as leadership positions in industry and academia. Among the organizations employing WPI alumni:

Abbott Laboratories	Roche
Bayer Diagnostics	Sigmacinco
Chromatography Diagnostic	Siemens Medical Solutions Diagnostics
Chia Specialty Chemicals	Tyco University
Emulco Inc.	University of Massachusetts Medical School
Eastman University	University of Wisconsin
Fluor	Pharmaceutical Research Institute
	Washington University

ABOUT WPI

Worcester Polytechnic Institute, one of the nation's premier science and engineering-focused universities, leads the way in fostering passion to provide education that prepares every student for a dynamic and rewarding graduate community, world-renowned faculty members, a culture of collaboration, spectacular research facilities, and close relationships with industry. Meet WPI an extraordinary environment for graduate students preparing to be innovators, entrepreneurs, and leaders. Here, you will pursue cutting-edge, interdisciplinary research and contribute to breakthroughs that demonstrate understanding of the world's ever-growing rate of inquiry, and meet the technological challenges facing the world today.



wpi.edu/~chemistry

Worcester Polytechnic Institute, 100 Institute Road, Worcester, MA 01080 | grad@wp.edu

ABOUT OUR PROGRAM

WPI's program in chemistry and biochemistry offers a flexible and diverse curriculum that encourages each student to tailor a program of study to individual career goals. In addition to today's graduate courses in chemistry, biochemistry, biotechnology or other WPI programs, you can hone your teaching skills in seminars at WPI's Morgan Teaching and Learning Center, advance your knowledge in bioprocessing in our newly established Biomanufacturing Education and Training Center, or expand your corporate knowledge through courses in our School of Business. A collaborative, interdisciplinary culture, focus on real-world problem solving, and close one-on-one mentorship from world-class faculty put you in the center of groundbreaking research focused on a host of compelling problems in medicine, the environment, and modern chemistry.

Graduate study at WPI is characterized by rigorous research training and applied learning. Both are fostered within the WPI Life Sciences and Bioprocessing Center, where you will work side-by-side with interdisciplinary groups of faculty, graduate students, postdoctoral fellows, and commercial researchers whose work puts them at the leading edge of their fields. Modern facilities specifically designed to support modern chemistry and biochemistry research and state-of-the-art instrumentation empower you to conduct research at the highest level.

For more information on faculty and curriculum, visit wpi.edu/~chemistry or contact the Chemistry and Biochemistry Graduate Committee at 508-851-1331 or chem-biochem@wp.edu.

DEGREE PROGRAMS

Master of Science in Biochemistry Doctor of Philosophy in Biochemistry
 Master of Science in Chemistry Doctor of Philosophy in Chemistry

DISCOVERY THAT MAKES A DIFFERENCE

Faculty and students in WPI's Department of Chemistry and Biochemistry pursue research aimed at developing new catalysts for green chemistry, designing smart chromophores to interrogate biological systems, and investigating signaling pathways involved in disease like cancer and diabetes.

Research groups in chemistry and biochemistry work to understand the mechanism of an ion transport across cellular membranes, apply surface chemistry techniques to the challenge of creating implantable prosthetics and devices, use computational approaches to bridge accurate physical models with their molecular and biomolecular applications, and design and synthesize molecules for medical applications.

Having long fostered a culture of collaboration, WPI designed to raise state-of-the-art research complex to be an open and adaptable environment that prepares students for the interdisciplinary collaboration you will encounter in industry or academic research. Lab days are organized by research focus rather than by department, and researchers from the full range of life science disciplines freely exchange ideas, share knowledge for the greater good, and have discovered that there is a difference in people's lives.

RESEARCH AREAS

Biorganic Chemistry
 Biophysics of Membrane Proteins
 Catalysis
 Computational Chemistry
 Crystallography
 Drug Design and Synthesis
 Organic Analysis
 Fluorescence Spectroscopy
 Green Chemistry
 Heavy Metal Transporters in Microbes and Plants

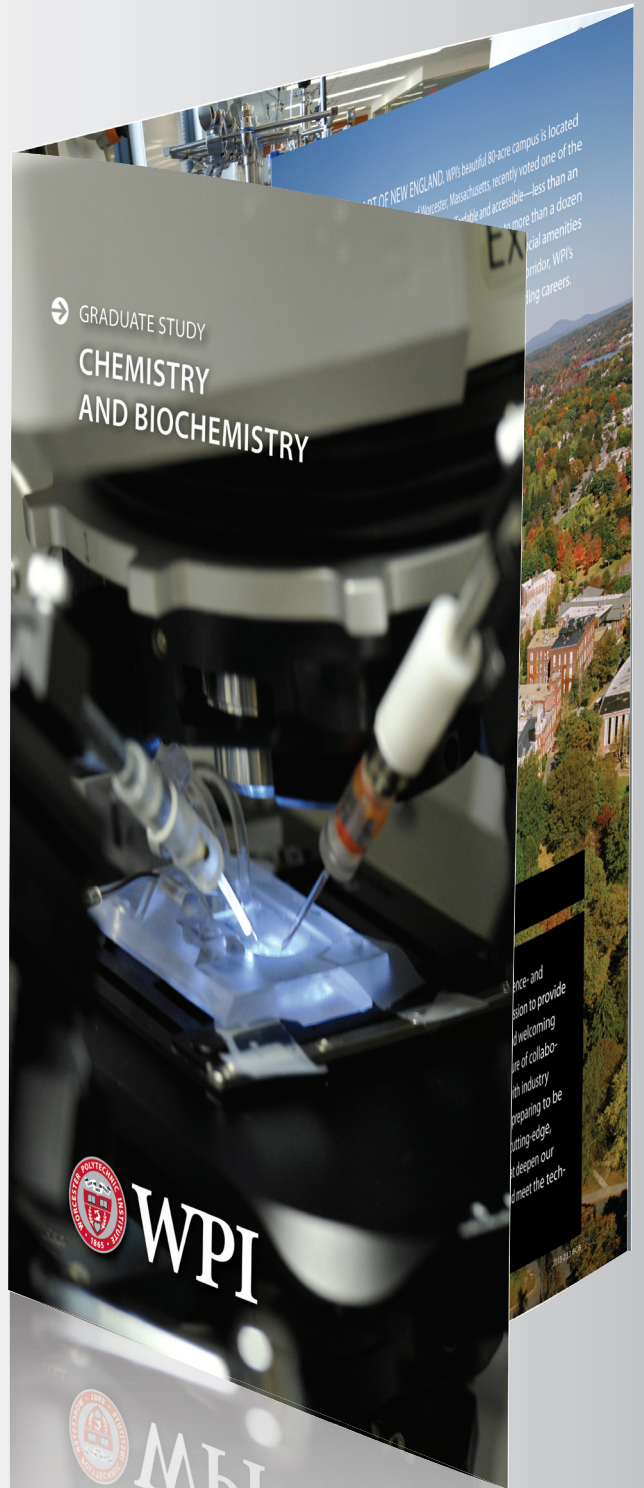
RESEARCH FACILITIES

Located within the WPI Life Sciences and Bioprocessing Center at Gateway Park, and with access to the Bioscience facilities of WPI's new Biomanufacturing Education and Training Center, faculty and students in chemistry and biochemistry are supported by including specialized resources—technology processes, and technical staff—to advance their research, including state-of-the-art equipment for microscopy imaging, a broad range of major instrumentation, several small instrument facilities, facilities supporting cell culture work, and a 12,000 sq. ft. reactor.

WPI

Worcester Polytechnic Institute

**GRADUATE STUDY
CHEMISTRY
AND BIOCHEMISTRY**



...RT OF NEW ENGLAND, WPI's beautiful 80-acre campus is located in Worcester, Massachusetts, recently voted one of the most livable and accessible—less than an hour to Boston and 1.5 hours to New York—Worcester is home to more than a dozen colleges and universities and offers a rich and diverse cultural and social experience of a great college town. In the heart of the New England technology corridor, WPI's location offers vast opportunities for collaborative research and meaningful careers.

WPI

Worcester Polytechnic Institute