

C H E M I S T R Y

What you can do with a Ph.D. in Chemistry:

Industrial Chemistry:

- Industrial R&D and Production:
 - Research Chemist
 - Production chemist
- Industrial Sales, Marketing, and Technical Service

Academic Careers:

- Faculty Positions at Colleges and Universities
- Support/Research Positions

Government Careers:

- National Labs
- Regulatory

Related Fields:

- Other sciences (environmental, forensics, biotechnology, toxicology, food science, dietary science)
- Health Professions (Doctors, Dentists, Veterinarians, Pharmacists)
- Chemical Information Specialists (scientific writing, scientific librarian, museums, abstracting/database production)
- Intellectual Property (patent lawyer, patent agent)

What Does Central Have to Offer?

- The McNair Scholars Program that pairs students in one-on-one faculty research mentorships and helps guide them through the graduate school application process, including GRE preparation!
- **Research opportunities** that will help build your graduate school resume and get research experience
- A **Science Honors** program that enables a student to design, execute, and present a research project at a professional conference
- A student-run Chemistry club

Helpful Links:

Survey of Doctoral Education and Career Preparation

<http://www.phd-survey.org/advice/chemistry.htm>

American Chemical Society:

<http://portal.acs.org/portal/acs/corg/content>

Featured Ph.D. Holders:

Shino Magaki

Ph.D. - Biochemistry - Loma Linda University

Dr. Magaki is a research scientist and has worked on a peripheral blood test to detect Alzheimer's disease. Her volunteer work includes assisting handicapped children in Costa Rica where she organized and conducted a clinic that provided physical, occupational, and speech therapy for children in rural areas.

Mario Molina

Ph.D. - Chemistry - UC Berkeley

Dr. Molina is professor of Chemistry and Biochemistry at the University of California - San Diego. He was honored for his work on the ozone-depleting effects of chlorofluorocarbons with a shared 1995 Nobel Prize in Chemistry. He has worked on projects to ameliorate the effects of environmental pollution in his hometown of Mexico City.

* From *Making a Difference: A Selection of Graduate Degree Holders and Their Contributions to the Public Good*. Council of Graduate Schools, 2008.