Chemistry, MS

Chemistry contributes to solving a broad range of scientific problems in fields like energy, disease diagnosis and treatment, and materials design and production. You can learn to generate molecular solutions to problems of all scales, create new scientific knowledge and develop skills to tackle complex challenges.

Program Description

Degree Awarded: MS Chemistry
Students earning an MS degree in chemistry in the School of Molecular Sciences are trained in the foundation disciplines of analytical, organic, physical, inorganic and environmental chemistry and geochemistry. Most also choose to learn by joining transdisciplinary research teams that work on larger, mission-based contemporary problems in areas such as:

- energy and sustainability
- frontiers of chemical measurement
- fundamental molecular science
- geologic and biospheric science
- materials and nanoscience
- medicine and health
- structure function and dynamics

The master's degree program in chemistry provides students with the training they need to solve molecular scale problems and to contribute to research in current challenging societal issues.

At a Glance

- **College/School:** [The College of Liberal Arts and Sciences](#)
- **Location:** [Tempe campus](#) or [Online](#)
Degree Requirements

30 credit hours and a thesis

500-level or above courses as approved by the school (12)
BCH 501 or CHM 501 Seminar or other seminar course as approved by the school (4)
CHM 592 Research (8)
CHM 599 Thesis (6)

Additional Curriculum Information
The program consists of coursework and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 (scale is 4.00 = "A") or better.

Admission Requirements

Applicants must fulfill the requirements of both the Graduate College and The College of Liberal Arts and Sciences.

Applicants are eligible to apply to the program if they have earned a bachelor's or master's degree in chemistry, biochemistry or a closely related field from a regionally accredited institution.

Applicants must have a minimum cumulative GPA of 3.00 (scale is 4.00 = "A") in the last 60 hours of their first bachelor's degree program.

All applicants must submit:

1. graduate admission application and application fee
2. official transcripts
3. personal statement
4. three letters of recommendation
5. proof of English proficiency

Additional Application Information
An applicant whose native language is not English must provide proof of English proficiency regardless of current residency.

Application Deadlines

Fall

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Career Opportunities

Professionals with training achieved in pursuit of a graduate degree in chemistry or biochemistry have opportunities in five general areas: industry (R&D, quality control), academia (high school and higher education), government (research, policy), nonprofit (policy, public education) and entrepreneurship (consulting, start-ups). In addition to specialized technical skills, graduates possess high-demand skills like critical thinking, teamwork and collaboration, time management and many others.

Some career examples include:

- chemistry lecturer
- chemical technician
- environmental science specialist
- government scientist
- high school teacher
- materials scientist
- military scientist
- science consultant

The American Chemical Society also provides helpful resources and a more exhaustive list of possible careers at https://www.acs.org/content/acs/en/careers/chemical-sciences.html.

Contact Information

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