DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

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National Organization for the Professional Advancement of Black Chemists and Chemical Engineers

The GMU Chapter of NOBBCChE (https://mason360.gmu.edu/nobcche/home/) (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers) supports the development of diverse leaders in STEM through academic, professional, and leadership opportunities.

Graduate Programs

The department's graduate programs (MS [http://catalog.gmu.edu/colleges-schools/science/chemistry-biochemistry/chemistry-ms/] and PhD [http://catalog.gmu.edu/colleges-schools/science/chemistry-biochemistry/chemistry-phd/]) provide advanced training for students who are recent college graduates, professionals in teaching, or technical workers in local research organizations. Students select a specialization from the fields of analytical, biological, environmental, inorganic, organic, physical, or computational chemistry. The graduate chemistry courses for these programs are usually offered during the late afternoon or evening hours for the convenience of students who are employed full-time. Graduate fellowships and teaching/research assistantships are available to the most qualified students.

The department offers a Chemistry, MS [http://catalog.gmu.edu/colleges-schools/science/chemistry-biochemistry/chemistry-ms/] with a research project (thesis option) or an all-coursework program (non-thesis option). Within the MS, students may pursue a concentration in biochemistry. The PhD in all branches of chemistry is available through the Chemistry and Biochemistry, PhD. Students may also pursue Chemistry-related PhD research through the Environmental Science and Public Policy, PhD and the Biosciences, PhD. An area of emphasis in computational chemistry is available through the Computational Sciences and Informatics, PhD, offered in conjunction with the Department of Computational and Data Sciences.

Faculty

Department Faculty
Professors
Foster, Hussam, Jones, Paige (associate chair for research)

Associate Professors
Bishop, Clayborne (graduate coordinator), Couch, Erb (associate chair), Fayissa, Foreman, Luo (associate chair of research), Roy, Schreifels, Van Aken, Weatherspoon (chair)

Assistant Professors
Banerjee, Callus, Jing, Luo, Solomon, Tan, Wang, Ward, Yu

Emeriti
Cozzens, Davies, Slayden
Requirements & Policies

Requirements

Writing Intensive Requirement
Mason requires all undergraduate students to complete at least one course designated as “writing intensive” in their majors at the 300 level or above. Students majoring in chemistry fulfill this requirement by successfully completing CHEM 336 Physical Chemistry Lab I or CHEM 465 Biochemistry Lab.

Teacher Licensure
Students who wish to become teachers should consult the College of Education and Human Development (http://catalog.gmu.edu/colleges-schools/education-human-development/) and attend an information session early in their studies. For more information, visit gse.gmu.edu (http://gse.gmu.edu).

Programs
• Chemistry Minor
• Chemistry and Biochemistry, PhD
• Chemistry, BA
• Chemistry, BS
• Chemistry, MS