

DEPARTMENT OF CHEMISTRY

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chemistry.vcu.edu (<https://chemistry.vcu.edu/>)

The Department of Chemistry offers programs leading to the Bachelor of Science, Master of Science and Doctor of Philosophy degrees. For undergraduate students, the Bachelor of Science offers concentrations in chemical science, professional chemist, professional chemist with honors, biochemistry and chemical modeling.

For graduate students, the Master of Science and Doctor of Philosophy programs provide opportunities for concentrated study in analytical, inorganic, organic or physical chemistry, or chemical physics. A plan of study is worked out for each student to ensure a sound basis for research. In keeping with the university's commitment as an urban institution, the department also offers part-time programs leading to these degrees.

Refer to the department's website (<https://chemistry.vcu.edu/>) for more information.

Admission requirements for graduate study

In addition to the general requirements for admission to graduate programs in the Graduate School and the College of Humanities and Sciences, students are expected to have a bachelor's degree from an accredited college or university with 30 semester credits in chemistry. Admission on a provisional basis is possible for a student temporarily lacking this expected chemistry background. Acceptance is based upon undergraduate performance, satisfactory scores on the GRE and letters of recommendation.

Graduate students in the Department of Chemistry may receive financial support via teaching or research assistantships or fellowships. Application forms and instructions for applying to all graduate programs are available on the Graduate School website (<http://www.graduate.vcu.edu>).

General degree requirements for graduate programs

Entering graduate students are required to take proficiency examinations in analytical, inorganic, organic and physical chemistry. These examinations are at the level of sound undergraduate courses and are offered preceding the start of the school's fall and spring semesters. These tests are used to evaluate the student's strengths and weaknesses, and the student's program is planned accordingly.

Students who complete the requirements for any of these concentrations will receive a Doctor of Philosophy in Chemical Biology.

- Chemical Biology, Doctor of Philosophy (Ph.D.) with a concentration in biochemistry (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemical-biology-phd-concentration-biochemistry/>)
- Chemical Biology, Doctor of Philosophy (Ph.D.) with a concentration in biology (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemical-biology-phd-concentration-biology/>)

- Chemical Biology, Doctor of Philosophy (Ph.D.) with a concentration in biology of cancer (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemical-biology-phd-concentration-biology-cancer/>)
- Chemical Biology, Doctor of Philosophy (Ph.D.) with a concentration in bioorganic chemistry (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemical-biology-phd-concentration-bioorganic-chemistry/>)

Students who complete the requirements for either of these concentrations will receive a Doctor of Philosophy in Chemistry.

- Chemistry, Doctor of Philosophy (Ph.D.) (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemistry-phd/>)
- Chemistry, Doctor of Philosophy (Ph.D.) with a concentration in chemical physics (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemistry-phd-concentration-chemical-physics/>)

Students who complete the requirements for this degree will receive a Master of Science in Chemistry.

- Chemistry, Master of Science (M.S.) (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/chemistry-ms/>)

Students who complete the requirements for this degree will receive a Doctor of Philosophy in Nanoscience and Nanotechnology.

- Nanoscience and Nanotechnology, Doctor of Philosophy (Ph.D.) (<http://bulletin.vcu.edu/graduate/college-humanities-sciences/chemistry/nanoscience-nanotechnology-phd/>)