THE CHEMISTRY MAJOR

Brooklyn College
Department of
Chemistry

Research
Life Sciences
Law Enforcement
Graduate School
Medical School
Teaching
Nursing &
Health

Make it happen.

Chemistry at Brooklyn College

The Bachelor of Science (BS):

The BS degree is intended for students who are interested in becoming professional chemists, either upon graduation or after pursuing graduate work. The program provides excellent preparation for a career in industry, and can put students on the track toward a college-level faculty position.

Required Courses

General Chemistry (Chem 1100&2100)
Organic Chemistry (Chem 3511/3512,3521/3522)
Analytical Chemistry (Chem 3415W)
Physical Chemistry (Chem 4610&4620)
General Physics (Phys 1100&2100)
Intro. to Programming (CIS 1110)
Three semesters of calculus (Math 1201,1206 and 2201)

See Bulletin for details on our American Chemical Society accredited degree.

The B.S. degree requires an additional 9 credits in advanced electives, chosen from: Instrumental Analysis (Chem 3420), Advanced Organi Laboratory (Chem 4530), Advanced Organic Lectures(Chem 4550), Biochemistry I (Chem 4570), Biochemistry Lectures I (Chem 4571), Biochemistry Lectures II (Chem 4581), Quantum Chemistry (Chem 4640), Inorganic Chemistry (Chem 76), Inorganic Chemistry Lectures (Chem 4761). Other advanced electives may also be available. Contact the department.

Talk to us!

Science is a very hierarchical subject, many courses have multiple prerequisites. Also, some courses are only offered at certain times of the year. See the departmental advisor as soon as possible to plan your studies. Contact information is on the back page.

Chemistry at Brooklyn College

The Bachelor of Arts (BA):

The BA degree is a less rigorous degree intended for students who are interested in careers in areas related to chemistry. This option is recommended for students interested in the health professions, as it provides a more flexible course schedule in which students are better able to schedule volunteer work and other preparations for professional school applications. While opportunities to work as chemists are slightly more limited for the BA than for the BS, graduates are highly employable either as working chemists or as salespeople and managers in chemistry related industries. A variant of this degree is available for those interested in teaching chemistry in middle and high school; please contact the department for details.

Required Courses

General Chemistry (Chem 1100&2100)
Organic Chemistry (Chem 3511/3512,3521/3522)
Analytical Chemistry (Chem 3415W)
Physical Chemistry (Chem 4610 or 4600)
General Physics (Phys 1100&2100)
Two semesters of calculus (Math 1201, 1206)

The B.A. degree requires an additional 5 credits in advanced electives, chosen from: Instrumental Analysis (Chem 3420), Advanced Organic Laboratory (Chem 4530), Advanced Organic Lectures(Chem 4550), Biochemistry I (Chem 4570), Biochemistry Lectures I (Chem 4571), Biochemistry Lectures II (Chem 4581), Quantum Chemistry (Chem 4640), Inorganic Chemistry (Chem 76), Inorganic Chemistry Lectures (Chem 4761) and Physical Chemistry II (Chem 4620). Other advanced electives may also be available. Contact the department.,

Minors in Chemistry and Biochemistry
are also available – See the Brooklyn College Bulletin
or contact the department.

Thinking of Medical School?

According to the American Association of Medical Colleges, physical science majors (including chemists!) have higher acceptance rates than either life science or humanities/social science majors.

For information on careers in chemistry:

Come to the Chemistry Department (359NE) and ask to see the "Careers in Chemistry" folder.

When to declare a major:

You may declare a major at any time, but you must declare by the end of the semester in which you have completed 61 credits worth of courses.

To declare a major:

Contact the Department of Chemistry
(718) 951-5458 359NE
Ask to speak to the undergraduate advisor.

For more information:

Contact the departmental office at (718) 951-5458

Or visit the web site:
http://www.brooklyn.cuny.edu/web/academics/schools/naturalsciences/undergraduate/chemistry.php