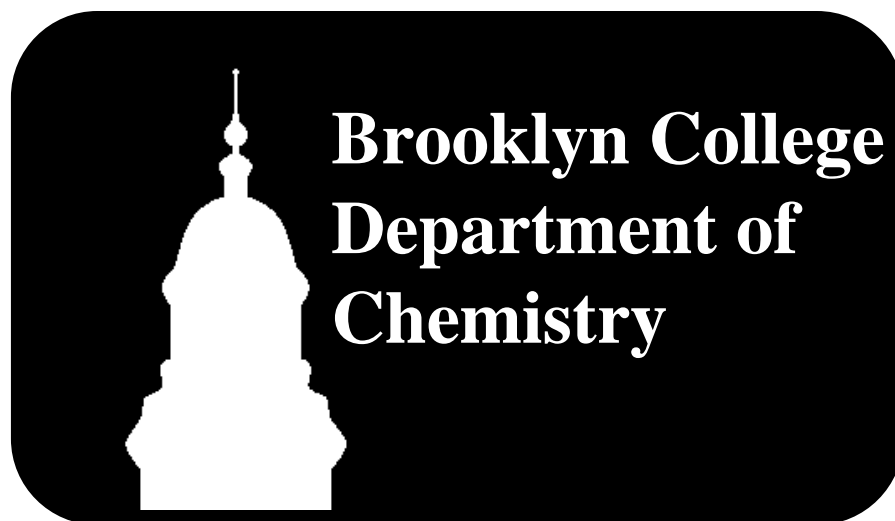


# THE CHEMISTRY MAJOR



*Research*

*Life Sciences*

*Law Enforcement*

• • *Graduate School*

• • *Medical School*



*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 1&2)  
Organic Chemistry (Chem 51&52)  
Analytical Chemistry (Chem 41)  
Physical Chemistry (Chem 61&62)  
General Physics (Phys 1&2)  
Intro. to Programming (CIS 1.5)  
Three semesters of calculus (Math 3.3, 4.3 & 5.3)

*See the 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 42), Advanced Organic Laboratory (Chem 53), Advanced Organic Lectures (Chem 55), Biochemistry I (Chem 57), Biochemistry Lectures I (Chem 57.1), Biochemistry Lectures II (Chem 58.1), Quantum Chemistry (Chem 64), Inorganic Chemistry (Chem 76.1) and Environmental Chemistry (Chem 78). Bio 17 and Bio 17.1 can be counted as advanced electives in chemistry, but only if both are taken. Other advanced electives may also be available. Contact the department.

## *Talk to us!*

*Science is a very hierarchical subject, so many courses have multiple prerequisites. Also, some courses are only offered at certain times of the year. Don't waste time trying to plan your course of study on your own. Come see the department advisor if you are interested in the major. 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 1&2)  
Organic Chemistry (Chem 51&52)  
Analytical Chemistry (Chem 41)  
Physical Chemistry (Chem 61 or 60.1)  
General Physics (Phys 1&2)  
Two semesters of calculus (Math 3.3, 4.3)

The B.A. degree requires an additional 5 credits in advanced electives, chosen from Instrumental Analysis (Chem 42), Advanced Organic Laboratory (Chem 53), Advanced Organic Lectures (Chem 55), Biochemistry I (Chem 57), Biochemistry Lectures I (Chem 57.1), Biochemistry Lectures II (Chem 58.1), Physical Chemistry II (Chem 62), and Environmental Chemistry (Chem 78). Bio 17 and Bio 17.1 can be counted as advanced electives in chemistry, but only if both are taken. 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 undergraduate advisor:

Prof. Mark Kobrak

Dept. of Chemistry

(718) 951-5758

mkobrak@brooklyn.cuny.edu

**For more information:**

Contact the departmental office at (718) 951-5458

Or visit the web site:

<http://academic.brooklyn.cuny.edu/chem/index.htm>