

CHEMISTRY AND BIOCHEMISTRY

BS in Chemistry
BA in Chemistry
BS in Biochemistry

OVERVIEW

The BS degrees are best suited for students planning to enter the chemical profession directly, or for those planning to go on to graduate school in chemistry, environmental science, biochemistry, or professional schools such as medicine or dentistry, which rely heavily on a strong knowledge of chemistry. The BA degree is most appropriate for pre-professionals or others whose future careers may rely heavily on knowledge areas outside chemistry, including business, education, law, and other fields.

CURRICULUM

The BS in Chemistry requires a total of 71 credit hours, including 15 chemistry courses, two elective courses, four physics courses, and three mathematics courses. The BS in Biochemistry requires a total of 71 credit hours, including 15 chemistry/biochemistry courses, seven biology courses, two mathematics courses, and four physics courses. The BA in Chemistry requires 66 credit hours, including 11 courses in chemistry, four specified courses in physics, and three courses in mathematics. Undergraduate Research (CHEM 300) is strongly recommended for both Chemistry and Biochemistry majors. Students majoring in areas other than chemistry may satisfy requirements for a minor concentration in chemistry by completing 24 credit hours of chemistry with grades of "C–" or better. For a complete list of courses that fulfill the degree requirements, visit LUC.edu/chemistry.

CAREER OPPORTUNITIES

In recent years, about one-third of Loyola's BS in Chemistry graduates started their careers. Other students went on to graduate or professional schools. Loyola chemistry graduates are employed at companies such as E.I. DuPont, Eli Lilly, Pfizer, Sherwin-Williams, 3M Corporation, Shell Oil, Borg-Warner, Universal Oil Products, Baxter Labs, Continental Can, Cook County Environmental Protection Agency, Stauffer Chemical Company, and many others. In addition to industry, many chemistry majors go on to professional schools in law, medicine, or dentistry.

RESOURCES

Loyola's chemistry students use state-of-the-art equipment necessary for sophisticated chemical research. Most chemistry courses are held in Flanner Hall and the Quinlan Life Sciences Education and Research Center. Class sizes are small, so students also benefit from close attention and personal interaction with faculty. Extra assistance is available outside the classroom through faculty appointments and student affiliate groups. Students are encouraged to conduct research alongside faculty, present findings at meetings, and to publish their work, affording them the practical experience highly valued by employers and graduate schools.



ARTS AND SCIENCES

Anthropology (BA, BS)
 Art History (BA)
 Biochemistry (BS)
 Bioinformatics (BS)
 Biology (BS)
 Ecology
 Molecular Biology
 Biophysics (BS)
 Black World Studies (BA)
 Chemistry (BA, BS)
 Classical Civilization (BA)
 Communication Networks and Security (BS)
 Computer Science (BS)
 Criminal Justice and Criminology (BS)
 Dance (BA)
 Economics (BA)
 English (BA)
 Creative Writing
 Forensic Science (BS)
 French (BA)
 Greek (Ancient) (BA)
 History (BA)
 Human Services (BS)
 Information Technology (BS)
 International Studies (BA)
 Italian (BA)
 Latin (BA)
 Mathematics (BS)
 Mathematics and Computer Science (BS)
 Mathematics Education (BS)
 Music (BA)
 Jazz Studies
 Sacred Music
 Philosophy (BA)
 Social Justice
 Physics (BS)
 Physics and Computer Science (BS)
 Physics and Engineering (BS)
 Political Science (BA)
 Psychology (BS)
 Religious Studies (BA)
 Sociology (BA)
 Sociology and Anthropology (BA)
 Software Engineering (BS)
 Spanish (BA)
 Statistics (BS)
 Studio Art (BA)
 Ceramics
 Drawing and Painting
 Photography
 Theatre (BA)
 Theology (BA)
 Theoretical Physics and Applied Mathematics (BS)
 Visual Communication (BA)
 Women's Studies and Gender Studies (BA)

BUSINESS ADMINISTRATION

Accounting (BBA)
 Economics (BBA)
 Entrepreneurship (BBA)
 Finance (BBA)
 Human Resource Management (BBA)
 Information Systems (BBA)
 International Business (BBA)
 Management (BBA)
 Marketing (BBA)
 Operations Management (BBA)
 Sport Management (BBA)

COMMUNICATION

Advertising and Public Relations (BA)
 Communication Studies (BA)
 Advocacy and Social Change
 Film and Digital Media (BA)
 Digital Media
 Film and Media Production
 International Film Studies
 Journalism (BA)

EDUCATION

Bilingual/Bicultural Education: K-9 (BSEd)
 Early Childhood/Special Education (BSEd)
 Elementary Education: K-9 (BSEd)
 Elementary Mathematics Education (BSEd)
 Elementary Science Education: K-9 (BSEd)
 Secondary Education: 6-12, and foreign languages: K-12 (BSEd)
 Special Education: K-12, Learning Behavior Specialist I (BSEd)

ENVIRONMENTAL SUSTAINABILITY

Environmental Policy (BA)
 Environmental Science (BS)
 Environmental Studies (BA)

FIVE YEAR PROGRAMS

BBA/MBA
 BBA/MSA Accountancy
 BA Advertising and Public Relations/
 MS Integrated Marketing Communication
 BS/MS Applied Human Perception and Performance
 BS/MS Applied Statistics
 BS Biology/MBA
 BS Biology/MEd Secondary Education
 BA Chemistry/MEd Secondary Education
 BS/MS Chemistry
 BS Computer Science/MS Information Technology
 BS Computer Science/MS Software Engineering
 BS/MA Criminal Justice
 BS/MA English

BS Environmental Science/MBA
 BS/MSF, BA/MSF, BBA/MSF Finance
 BS Health Systems Management/MBA
 BS/MA History
 BA/MSIMC Integrated Marketing Communications
 BS/MS Mathematics and Computer Science
 BS Physics/MEd Secondary Education
 BA/MA Political Science
 BS Psychology/MA Applied Social Psychology
 BSW/MSW Social Work
 BA/MA Sociology

NURSING

Accelerated BSN
 Exercise Science (BS)
 Health Systems Management (BS)
 Nursing (BSN)
 Online RN to BSN

SOCIAL WORK

Social Work (BSW)

CONTACT US

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