



Chemistry Advising Guide

Detailed information about ISA programs at these host institutions is available on ISA's website by following the links below. If you would like to receive specific course syllabi, or have further questions about any of these recommendations, please feel free to contact ISA's Academic Affairs Department at academicaffairs@studiesabroad.com.

Courses are in English unless otherwise noted.

AFRICA

University of Cape Town (Cape Town, South Africa)

The Faculty of Science at the [University of Cape Town](#) is internationally recognized as a leading research institution while also priding itself on the strength of its teaching. As one of the largest departments within the Faculty, the Chemistry department offers courses in both theoretical and practical aspects of chemistry. With a number of UCT Distinguished Teachers on its current teaching staff, Chemistry is a popular study choice at UCT.

Sample Courses:

- [Chemistry 1010](#)
- [Chemistry for Medical Students](#)
- [Organic and Inorganic Chemistry](#)
- [Physical Chemistry and Spectroscopy](#)

[Chemistry course list](#)

Other Regional Options:

- [University of the Western Cape](#) – Cape Town, South Africa
 - [Nelson Mandela University](#) – Port Elizabeth, South Africa
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ASIA

Korea University (Seoul, South Korea)

Regarded as one of the foremost Science divisions in Korea in terms of both teaching and research, the College of Science at [Korea University](#) is committed to making significant contributions to basic and applied research. Determined to become a hub of future science industries, the department of Chemistry combines exceptional teaching and cutting-edge research and attracts a diverse cohort of students from around the world.

Sample Courses:

- [Biomaterial Chemistry](#)
- [Environmental Chemistry](#)
- [Instrumental Analysis](#)
- [Physical Chemistry](#)
- [Polymer Chemistry I](#)

[Chemistry course list](#)

Other Regional Option:

- [Mahidol University](#) – Bangkok, Thailand
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EUROPE

King's College London (London, England)

With one of the oldest Chemistry departments in England, [King's College London](#) offers students the chance to study the most up-to-date aspects of Chemistry in a vibrant university environment. Courses reflect the interdisciplinary nature of the sciences, with emphasis on how the physical and biological sciences interconnect, giving students a rich perspective of the role of chemistry in contemporary challenges in medicine and society.

Sample Courses:

- [Chemistry in Cells](#)
- [Drugs, Discovery, and Development](#)

- [Inorganic Chemistry 2](#)
- [Organic Chemistry 2](#)

[Chemistry course list](#)

University College Dublin (Dublin, Ireland)

With a range of undergraduate courses in a variety of topics (Chemistry, Medicinal Chemistry and Chemical Biology, Environmental and Sustainable Chemistry, Biophysical Chemistry), [University College Dublin](#) has a rich tradition of teaching and research. UCD also provides study abroad students with the opportunity to enroll in a [Science Research Module](#) and become active members of a research group at the university.

Sample Courses:

- [Environmental and Sustainable Chemistry](#)
- [Instrumental Analysis](#)
- [Medicinal Chemistry](#)
- [Organometal and Solid State Chemistry](#)
- [Physical Chemistry](#)
- [Soft Matter and Interfacial Chemistry](#)

[Chemistry course list](#)

University of Glasgow (Glasgow, Scotland)

The School of Chemistry at the [University of Glasgow](#) offers an array of courses that span the spectrum of chemical sciences as well as courses that interface with biology, materials science and physics. With a Chemistry student society, the [Alchemists](#), students pursuing coursework in Chemistry have access to both social networks and study help. In addition, advanced Chemistry students have the opportunity to pursue a full-time Chemistry research project for academic credit.

Sample Courses:

- [Inorganic Chemistry 4H](#)
- [Organic Chemistry I](#)
- [Organic Chemistry II](#)
- [Physical Chemistry](#)

[Chemistry course list](#)

Other Regional Options:

- [Kingston University](#) – London, England
- [Queen Mary, University of London](#) – London, England
- [University of Reading](#) – Reading, England
- [Maynooth University](#) – Dublin, Ireland
- [National University of Ireland, Galway](#) – Galway, Ireland
- [University of Limerick](#) – Limerick, Ireland
- [Florence University of the Arts](#) – Florence, Italy (summer only)
- [Universidad Pablo de Olavide](#) – Seville, Spain
- [Florida State University, Valencia Study Center](#) – Valencia, Spain
- [Universitat Politècnica de València](#) – Valencia, Spain

LATIN AMERICA

Pontificia Universidad Católica del Perú (Lima, Peru)

Ideal for students with a high advanced level of Spanish, ISA's program at [Pontificia Universidad Católica del Perú](#) allows students to take courses in Spanish with local students at the oldest private higher educational institution in Peru. The PUCP was recently ranked first among tertiary institutions in Peru by América Económica.

Other Regional Options:

- [Universidad de Belgrano](#) – Buenos Aires, Argentina (courses in Spanish)
- [Pontificia Universidad Católica de Valparaíso](#) – Valparaíso, Chile (courses in Spanish)

PACIFIC

University of Queensland (Brisbane, Australia)

The School of Chemistry and Molecular Biosciences at the [University of Queensland](#) offers courses in Chemistry, Chemical Sciences, Biochemistry and Molecular Biology, Bioinformatics, Genetics, and Microbiology. The School has award-winning chemistry labs available to undergraduate students. [Cricos Code: 00025B]

Sample Courses:

- [Advanced Organic Chemistry](#)
- [Chemical Biology](#)
- [Experimental Chemistry](#)
- [General, Organic & Biological Chemistry](#)
- [Intermediate Chemistry 1](#)
- [Physical Chemistry](#)

[Chemistry course list](#)

University of Melbourne (Melbourne, Australia)

With one of the oldest and largest Chemistry departments in Australia, the [University of Melbourne](#) is at the forefront of scientific research and engagement. As a founding member of the Victorian Institute for Chemical Sciences and a key participant in Bio21, a biotechnology initiative in Victoria, the Chemistry department fosters a dynamic and interdisciplinary environment where students can gain both the generalist and specialist skills they need as they embark upon their careers. [Cricos Code: 00116K]

Sample Courses:

- [Analytic and Environmental Chemistry](#)
- [Chemistry: Reactions and Synthesis](#)
- [Drugs: From Discovery to Market](#)
- [Fundamentals of Chemistry](#)

[Chemistry course list](#)

University of Auckland (Auckland, New Zealand)

With the largest department of Chemistry in New Zealand, the [University of Auckland](#) offers a broad range of courses in pure and applied chemistry. With courses that are strongly influenced and strengthened by faculty research, the School operates programs in Medicinal Chemistry, Forensic Science, Wine Science, Food Science, and Nutrition.

Sample Courses:

- [Advanced Analytical Chemistry](#)
- [Applied Chemistry](#)
- [Contemporary Organic Chemistry](#)
- [Design and Reactivity of Inorganic Compounds](#)
- [Issues in Drug Design and Development](#)
- [Medicinal Chemistry](#)
- [Structural Chemistry and Spectroscopy](#)

[Chemistry course list](#)

University of Otago (Dunedin, New Zealand)

The Department of Chemistry at the [University of Otago](#) was established in 1871, making it the oldest in New Zealand. With a broad range of courses (including, but not limited to, forensic chemistry and marine chemistry), the department prides itself of the strengths of its teaching and research, with a particularly noted expertise in natural products chemistry, marine chemistry, and oceanography.

Sample Courses:

- [Biological Chemistry](#)
- [Environmental Chemistry](#)
- [Forensic Chemistry](#)
- [Inorganic and Organometallic Chemistry](#)
- [Physical Chemistry](#)

[Chemistry course list](#)

Other Regional Options:

- [Queensland University of Technology](#) – Brisbane, Australia

- [Griffith University](#) – Gold Coast, Australia
- [La Trobe University](#) – Melbourne, Australia
- [University of Newcastle](#) – Newcastle, Australia
- [Macquarie University](#) – Sydney, Australia
- [University of Sydney](#) – Sydney, Australia
- [University of Technology Sydney](#) – Sydney, Australia
- [James Cook University](#) – Townsville, Australia
- [University of the South Pacific](#) – Suva, Fiji
- [AUT University](#) – Auckland, New Zealand
- [University of Canterbury](#) – Christchurch, New Zealand
- [Victoria University of Wellington](#) – Wellington, New Zealand