

Department of Chemistry

1st
in
Asia

7th
in
World

Since
1929



Structured Undergraduate Programme

year 1 Basic Chemistry Laboratory Practicals Mathematics Biochemistry Foundation	Advanced Chemistry Laboratory Practicals Research opportunity Overseas exchange Intermediate	year 2
Specialisation Electives Advanced Laboratory Practicals Internship opportunity Research opportunity Overseas exchange 3 year	Research (Honours Year) Electives Research Laboratory Internship opportunity 4 year	

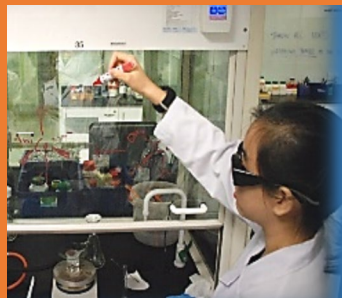
- 3-year BSc or 4-year BSc(Hons) programme
- First 2 years focused on building foundation knowledge across all chemistry disciplines with structured laboratory practicals
- Last 2 years centred on higher chemistry learning with elective curriculum content and advanced laboratory training
- Students can graduate by end of 3rd year with BSc degree on fulfilment of requirements,
- Or enter 4th year as a Honours student to pursue research work in a research laboratory and graduate with BSc(Hons) degree; students will have option to declare specialisation (see Flagship Programme)
- BSc(Hons) students with strong research aptitude and inclination will be considered for sponsored Ph.D. programme under scholarship

Flagship Programme: Bachelor of Science (Honours) in Chemistry with Specialisation

- 4-year undergraduate degree programme culminating in final honours year focussed on research work or an internship, with option to declare area of specialisation
- Accredited by the *Royal Society of Chemistry*
- Students graduate with *BSc(Hons) in chemistry* degree by reading modules in analytical, inorganic, organic and/or physical chemistry
- Or they can opt for one specialisation namely, *Medicinal Chemistry, Materials Chemistry or Environment and Energy*
- These students read modules relevant to their area of specialisation and will graduate with *BSc (Hons) in Chemistry with specialisation in (area of specialisation)* degree



Putting Theory into Practice: Laboratory Experience, Research Opportunities and Minor in Chemistry Programmes



State-of-the-Art Instruction Laboratories

*Learn about chemistry in
our new
and modern instruction
laboratories*

Undergraduate Research and Internship Opportunities

*Enhance your learning experience and earn credits by
taking part in undergraduate research (UROP) in research
laboratories or industrial internship placement (UIPI)*

Research with Leading Chemistry Professors

*Work with leading scientists
from all over the world to solve
important research problems in
energy, environment, industry
and health*



Double Major in Chemistry & Food Science

*Environmental
Chemistry Minor with
University of Toronto
and NUS*

*Minor in Chemistry
Programmes*

*Other Minors:
Nanoscience
Analytical Chemistry
Forensic Science*



Experiential Learning Beyond the Classroom



Students will have the opportunity to enrich their undergraduate education by spending 1-2 semesters abroad at >300 partner universities under the *International Student Exchange Programme (SEP)* while paying only home tuition fees.

Students can elect to participate in the *Undergraduate Professional Internship Programme (UPIP)* with our industrial partners to proactively engage in career preparation and experience day-to-day working life.



Career Prospects

Career opportunities in industry, civil service and the education sector are available upon graduation. Professions include research scientists, process managers and quality assurance officers in the chemical, pharmaceutical, petroleum, and specialty chemicals organisations as well as scientific officers in the civil service and science teachers in the education service. Our graduates are well-poised for Ph.D. research in Singapore and leading universities worldwide and have gone on to lead R&D at multinational companies or pursue academic careers as professors.

Chemistry @ NUS - The Leading Chemistry Department in Singapore

Top chemistry department in Singapore and amongst the best in the Asia-Pacific; ranked 7th world-wide by *QS Subject Ranking 2019* Strong team of outstanding scientists from all over the world across breadth of chemistry subjects, taking a multidisciplinary approach to research directed at shaping the world and improving our lives

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