**Structured Undergraduate Programme**

<table>
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<tr>
<th>Year</th>
<th>Foundation</th>
<th>Intermediate</th>
<th>Specialisation</th>
<th>Research (Honours Year)</th>
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<tbody>
<tr>
<td>1</td>
<td>Basic Chemistry Laboratory Practicals Mathematics Biochemistry</td>
<td>Advanced Chemistry Laboratory Practicals Research opportunity Overseas exchange</td>
<td>Electives Advanced Laboratory Practicals Internship opportunity Research opportunity</td>
<td>Electives Research Laboratory Internship opportunity Overseas exchange</td>
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<td>3</td>
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<td>Specialisation</td>
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<td>4</td>
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<td>Research (Honours Year)</td>
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- 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.
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 worldwide 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.