If you wish to expand and deepen your knowledge beyond the undergraduate programme, you can opt to pursue postgraduate studies, such as an M.Sc. in Pharmaceutical Science and Technology or a Ph.D., which prepares you for careers in academia, research or management.

Career Opportunities
- Analytical scientist
- Clinical researcher
- Drug analyst
- Educator (Pharmaceutical scientist)
- Pharmacy manager
- Medical sales manager
- Pharmaceutical scientist
- Product development specialist
- Product specialist
- Quality assurance scientist
- Regulatory affairs specialist
- Researcher

Potential Employers
- Consultancy firms
- Consumer healthcare companies
- Drug regulatory authorities
- Government agencies
- Pharmaceutical companies (e.g., drug manufacturing, biotechnology companies)
- Pharmaceutical distributors
- Research institutes
- Universities

Careers
This programme is designed to provide you with niche knowledge, skills and professional experience to build a career in the pharmaceutical, biomedical and consumer healthcare sectors. You will have excellent career prospects in diverse areas. You may also find employment in areas outside the pharmaceutical industry.
Over the past 15 years, Singapore has built world-class infrastructure for pharmaceutical manufacturing, and research and development, while successfully positioning itself as Asia’s Innovation Capital in this sector. Many global pharmaceutical firms have established headquarter functions in Singapore, to leverage on our hub status for better access to emerging markets in Asia. This has generated new and exciting pharmaceutical job opportunities in Singapore.

To address the growing demand for skilled professionals, NUS Department of Pharmacy will offer a new B.Sc. in Pharmaceutical Science programme.

Pharmaceutical science forms the foundational scientific basis of the physical, chemical, biological and the biomedical aspects of drug properties and actions. It comprises a range of scientific subjects that deal with various aspects of pharmaceutical substances that are used to manufacture medicinal products. Advancements in pharmaceutical science will impact drug discovery, drug formulation as well as the regulation and practice of pharmacy.

Students joining this landmark programme will be trained in a range of foundational sciences, gaining understanding of drug discovery and development, as well as the regulatory and commercial environment in the pharmaceutical industry. You will acquire knowledge in areas such as Medicinal Chemistry, Pharmaceutics, Pharmaceutical Technology, Pharmaceutical Analysis, Pharmacokinetics, Pharmacoeconomics and Pharmacogenetics.

Flexible curriculum: Plan your own learning journeys and pursue other academic interests such as a Minor in Forensic Science, Business, or Analytical Chemistry.

Industry exposure: Undertake a final year project or structured internships through our Undergraduate Professional Internship Programme, where you gain on-the-job training by working on real-world issues facing industry, as well as a better understanding of your career options.

Cutting-edge research opportunities: Be part of the latest developments in pharmaceutical science, by participating in the Undergraduate Research Opportunities Programme in Science under the mentorship of our experienced faculty members.

Global exposure: Participate in a range of study abroad and student exchange programmes at over 300 partner universities. This opens the door to a global learning experience, broadening your intellectual and social horizons. You will also have opportunities to meet your international counterparts at world and regional congresses organised by the International Pharmaceutical Students’ Federation.

Vibrant student life: Be part of the NUS Pharmaceutical Society, our student-led organisation which enhances the extracurricular experiences of our students, enabling you to further develop interpersonal, leadership and networking skills.

Eligibility

The course is delivered by experienced academics from the Department of Pharmacy, which has an outstanding history of pharmaceutical science research and education, together with invited contributions from leading industry experts.

To be admitted, you should have a very good pass in H2 Chemistry and a very good pass in either H2 Biology or H2 Physics or H2 Mathematics / Further Mathematics. For applicants holding a Polytechnic diploma, only relevant and accredited diplomas will be considered.

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“We remain confident in Singapore’s competitive positioning in the pharmaceutical and broader manufacturing sector. We are investing in the ecosystem, the environment and our people, and will work with the industry to enhance our innovation and research and development.”

Minister for Trade and Industry (Industry) Mr S Iswaran at Opening of AbbVie’s Biologic Manufacturing Site, 4 October 2017

“Programme Highlights”

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