Why NUS Pharmaceutical Science?

Proven "efficacy"

The NUS Pharmaceutical Science programme may be young, but our expertise is backed by a long history of excellence in teaching and research. We take pride in our ability and dedication to guide future pharmaceutical professionals – which might be why we are ranked **#1 in Asia** and **#14 worldwide**.

QS Asia and World University Rankings by Subject 2024: Pharmacy and Pharmacology

Integrative approach

We teach you **highly specialised knowledge and skills** so that you are ready for a career in the pharmaceutical industry. At the same time, your learning will be **integrative and inquiry-based**, through dialogues and problem-solving with your peers and professors – our prescription for preparing you for the collaborative culture in the industry.

Experiential learning

Get a head start with industry/ research internships – **network with professionals** and **try your hand at solving real-world problems**. Most of our students go on internships in big pharma, small and medium sized enterprises (SMEs), startups, digital health companies and research institutes.

Career opportunities

With a degree in pharmaceutical science, you have **excellent career prospects** at any point of the drug discovery and development chain – especially with Singapore being Asia's pharmaceutical innovation capital. You can also pursue careers in biotechnology and consumer healthcare, or join the next generation of healthcare entrepreneurs.

Admission Requirements

Programme	Admission Requirements
Primary Major in Pharmaceutical Science	Very good H2 passes (or equivalent) in Chemistry and one of the following: Biology, Physics or Mathematics/Further Mathematics
Second Major in Pharmaceutical Science	A very good H2 pass (or equivalent) in Chemistry A very good pass in gateway course PHS1101 The Billion-Dollar Pill – Bench to Bedside Drug Development A very good Grade Point Average (GPA) standing
Minor in Pharmaceutical Science	A very good H2 pass (or equivalent) in Chemistry A very good pass in gateway course PHS1101 The Billion-Dollar Pill – Bench to Bedside Drug Development

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NUS National University of Singapore

College of Humanities and Sciences

Bachelor of Science (Honours) in Pharmaceutical Science

Department of Pharmacy and Pharmaceutical Sciences
Faculty of Science
College of Humanities and Sciences

NUS Pharmaceutical Science

Ever wondered what it takes for medicines to get from bench to bedside? In a *capsule* – a lot. Drugs and vaccines have to be rigorously formulated, tested, regulated, marketed…before being dispensed to patients. With virus mutation and ageing societies as hot button issues today, the continuum of drug discovery and development demands the right combination of knowledge, skills and experience.

To empower you to cure, treat and prevent diseases, the NUS Pharmaceutical Science programme trains you in a range of foundational sciences – so that you will not only understand drug discovery and development, but also the regulatory and commercial environment of the pharmaceutical industry. Areas covered include Medicinal Chemistry, Pharmaceutics, Pharmaceutical Technology, Pharmaceutical Analysis, Pharmacokinetics, Pharmaceutical Biotechnology, Pharmacoeconomics and Pharmacogenetics.

While your pharmaceutical science courses will be interdisciplinary, you can take it even further as part of the new **College of Humanities and Sciences (CHS)**. On top of your primary major, pick up any CHS second major or minor, and acquire essential skills and intellectual foundations with the Common Curriculum. By the time you graduate, you will be ready for career opportunities in Singapore's growing pharmaceutical sector – and beyond.

Academic Programmes

Primary Major in Pharmaceutical Science

Second Major in Pharmaceutical Science

Minor in Pharmaceutical Science

Research Opportunities

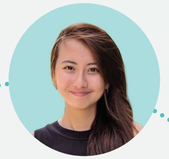
If you are keen to explore aspects of pharmaceutical science beyond the classroom, you can participate in the **Undergraduate Research Opportunities Programme in Science (UROPS)**, or pursue it further in your **Final Year Project (FYP)**.

Our research areas include:

- pharmaceutical chemistry
- pharmaceutical biology and pharmacokinetics
- pharmaceutical technology
- clinical pharmacy and pharmacy practice

"The lab courses challenged me to figure out how to carry out experiments for myself. The perseverance and problem-solving skills I learnt are difficult to replicate elsewhere."

– **Lim Joel**, BSc (Hons) in Pharmaceutical Science (2022)



"I am touched by the guidance and encouragement from my peers and professors. The rigour of the programme also made my journey challenging, but rewarding and fun!"

– **Grace Goh**, BSc (Hons) in Pharmaceutical Science (2022)