

SCHOOL OF CHEMICAL & LIFE SCIENCES



EXPLORING NEW HORIZONS

Fascinated by the mysteries of life? Ever dreamt of creating new drugs or cutting-edge chemicals to benefit mankind? Then, let your passion and curiosity for science take flight at our School of Chemical & Life Sciences (SCL).

Choose from a diverse selection of exciting courses that cover a wide range of scientific disciplines, and learn how to make vaccines, pharmaceutical capsules and even solar panels. At SCL, you'll be trained to become a versatile and highly skilled technologist, well sought-after by the world's leading industry players.

Why Chemical & Life Sciences?

- Be at the cutting-edge of science and exciting technologies that's changing the world we live in.
- Attain valuable skills and knowledge that will place you in high demand in the high-growth biomedical, pharmaceutical, alternative energy and food industries.

Why SCL?

- Learn new technologies that will empower you to excel in your field.
- Benefit from the latest high-tech life sciences facilities, with extensive hands-on training in state-of-the-art and industry-standard laboratories.
- Work with leading biotech, pharmaceutical, chemical and food companies.
- Gain valuable practical experiences in our Bioinnovation Centre, Teaching Drug Store, Food Science Pilot Plant and Application Labs, and Chemical Pilot Plant on campus.

Industry-linked

Benefit from our strong links to key industry partners including:

- bioMérieux Pte Ltd
- Eu Yan Sang International Limited
- ExxonMobil Asia Pacific Pte Ltd
- Hyflux Ltd
- Pall Filtration Pte Ltd
- Pfizer Asia Pacific
- Schering-Plough (Singapore)
- Shell Eastern Petroleum
- Sin Hwa Dee Foodstuff Industries Pte Ltd
- Yokogawa Engineering Asia

Minimum Entry Requirements

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| a) English Language | Grade 1 - 7 |
| b) Elementary or Additional Mathematics | Grade 1 - 6 |
| c) A relevant Science subject | Grade 1 - 6 |

Enquiry Hotlines

Please contact us at **6550 0509/0511/0512** for enquiries on the following courses:

- Diploma in Biologics & Process Technology
- Diploma in Chemical & Green Technology
- Diploma in Chemical & Pharmaceutical Technology

Please call **6550 1500** for enquiries on the following courses:

- Diploma in Food Science & Nutrition
- Diploma in Medicinal Chemistry
- Diploma in Molecular Biotechnology
- Diploma in Pharmaceutical Sciences

You can also visit www.nyp.edu.sg/scl for more information.

JAE CODE:

C45

DIPLOMA IN MEDICINAL CHEMISTRY

As the world population grows and ages, there is an increasing demand for new medicines to treat many life-threatening diseases. The Diploma in Medicinal Chemistry will prepare you for the exciting journey of discovering, designing, synthesising and analysing novel medicines that are suitable for future medical use by millions of patients.

"This course has practical modules that help provide essential skills, such as problem-solving, scientific approach, mathematical and statistical methods, industry applications and business skills. It also has an important Final Year Project/Industrial Attachment Programme, where students can apply their knowledge and skills in a more independent manner and on a larger scale in a real-world context. This course is well-designed and will equip students with the relevant knowledge of techniques available, when they should be applied, and hands-on use of equipment and instruments for the various processes."

Dr Michael Tay Ming Kiong

Director, Forensic Science Division
Applied Sciences Group
Health Sciences Authority



This fits me to a T!

This is the course for you, if you're:

- Fascinated by how medicines are discovered and developed
- Intrigued by how different medicines react in the human body to cure illnesses
- Interested to learn the science of creating medicines to treat diseases

What will I learn?

- A wide range of chemistry modules
- Current trends and techniques in Medicinal Chemistry through extensive training in laboratory techniques with the latest equipment, and through industry research projects
- About different working environments, in Singapore and overseas, through industrial attachments

I want a great career!

You can have your pick of excellent career opportunities in:

- Research & Development Laboratories
- Drug-manufacturing Companies
- Sales and Marketing for Leading Drug and Biotech companies

Uni, here I come!

With this diploma, you can pursue further studies with advanced standing at reputable local and overseas universities, including:

Singapore

- National University of Singapore
- Nanyang Technological University

Europe

- University College London

Australia

- University of Melbourne
- University of New South Wales
- University of Queensland

"Graduates of this diploma course will not only be suitable for research-oriented jobs in universities and SMCs, but also for manufacturing positions within multinational companies in Singapore. These diploma holders will certainly be very employable in Singapore."



Dr Michael Entzeroth

Deputy Director
Experimental Therapeutics
Centre (ETC)

