

NGEE

ANN

POLY

SCHOOL OF LIFE SCIENCES & CHEMICAL TECHNOLOGY

- ▶ Common Science Programme
- ▶ Biomedical Science
- ▶ Pharmaceutical Science
Revamped
- ▶ Landscape Design & Horticulture
Revamped
- ▶ Chemical & Biomolecular Engineering
Revamped
- ▶ Environmental & Water Technology
Revamped





LSCT

Re-code Your DNA

Your natural curiosity about the world makes you the best person to unlock the mysteries of life and create wonders of science. Now, embrace emerging technologies for the digital era and be equipped with multidisciplinary skill sets to solve real-world problems at the School of Life Sciences & Chemical Technology (LSCT).

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5 FUTURE-READY DIPLOMAS + 1 COMMON SCIENCE PROGRAMME

Has the pandemic inspired in you a passion for medical research or healthcare? Or have you found your calling in creating sustainable solutions for tomorrow's world amid rising global climate challenges? Our five robust diplomas and one common entry programme aim to fuel your passion for discovery and enable you to make a real-world impact across a variety of fields.



Life Sciences

Common Science Programme (N15)

- Gateway to two reputable diplomas – Biomedical Science and Pharmaceutical Science
- Gain industry-relevant skills to explore a career in the biotechnology, biomedical, pharmaceutical, or biopharmaceutical fields
- Make an informed course choice at the end of the first semester with our unique Diploma Exposure Programme

Diploma in Biomedical Science (N59)

- An established biomedical science programme that prepares you for further studies and careers in medicine, biomedical research, allied healthcare, and data analytics
- Participate in an exclusive one-year Integrated Clinical Training Programme with SGH for training in translational research, clinical trials, clinical innovations, healthcare data analytics, and clinical diagnostics
- Join the ranks of our illustrious alumni who have received prestigious scholarships and awards



Diploma in Pharmaceutical Science (N73)

Revamped

- Unique curriculum that integrates clinical pharmacy and pharmaceutical science applications to give you an edge in further studies and work
- Choice of two elective options: Complementary Medicine & Traditional Chinese Medicine or Nutrition & Dietetic Science
- Gain future-ready skills in healthcare innovations to transform pharmaceutical practices and operations through internships and capstone projects

Horticulture & Landscape

Diploma in Landscape Design & Horticulture (N57)

Revamped

- An exclusive diploma that combines training in landscape design with plant science and horticulture
- Experience learning in outdoor settings such as Singapore Botanic Gardens, Clementi Woods Park and nature reserves
- Acquire the latest industry practices and technologies through a curriculum jointly developed, delivered and assessed by industry, including the National Parks Board
- Build a strong multidisciplinary foundation to widen career options in sustainability-related fields ^{New}

Chemical & Environmental Technology

Diploma in Chemical & Biomolecular

Engineering (N56) Revamped

- Be prepared for a diverse range of careers in sectors such as biopharmaceutical, petrochemical, semiconductor, energy and sustainability
- Harness the latest technologies in immersive learning facilities including an automated pilot plant and simulation laboratory
- Embark on internships, industry mentorships and capstone projects with MNCs such as GSK, Lonza, Pfizer, ExxonMobil, Shell and Air Liquide

Diploma in Environmental & Water

Technology (N74) Revamped

- Embark on green careers in environmental and water sustainability to support the Singapore Green Plan 2030 and ZeroWaste Masterplan
- An established course co-developed with PUB, Singapore's National Water Agency, and supported by NP's Environmental & Water Technology Centre of Innovation
- Apply for a bond-free PUB Diploma Scholarship that comes with an internship placement
- Gain immersive exposure through field trips to Bishan-Ang Mo Kio Park, Jurong Eco Garden and the NEWater treatment plant

Find us online at www.np.edu.sg/lscet

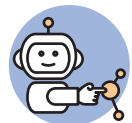
WHY CHOOSE LSCT

Looking for a reputable school that offers a robust education in life sciences and chemical technology that will give you a head start for further studies and work, and get you ready for the digital world? Find out why Ngee Ann Polytechnic's School of Life Sciences & Chemical Technology (LSCT) is the perfect place for you.



PROVEN TRACK RECORD

Our graduates have completed their degrees at top universities around the world. Some have even clinched prestigious PSC, PUB, MOHH, NEA and A*STAR scholarships. In fact, a total of 36 LSCT graduates have made it to local medical schools since 2007!



READY FOR THE FUTURE

With digitalisation fast transforming the world of science, the ability to use technologies such as 3D printing, Internet of Things and virtual reality will add value to your future work in the life science and chemical industries. At LSCT, you will have the opportunity to deepen knowledge in and gain hands-on exposure to these and other emerging technologies!



INDUSTRY-RELEVANT LEARNING

Learn from the industry's best through research projects, internships and off-campus classes. LSCT has close links with key industry leaders such as GSK, Pfizer, Chevron, Singapore General Hospital, National Parks Board and PUB, Singapore's National Water Agency.



EXCITING PROSPECTS

We are known for our expertise in areas such as biocatalysis and fermentation, cancer biology, biopharmaceuticals, molecular diagnostics, membrane technology, sky-rise greening, agritech and aquaculture, and food technology. Our edge will stand you in good stead should you wish to pursue further studies or a career in the growing areas of healthcare, pharma and biopharmaceutical, urban farming and water production.



GLOBAL EXPOSURE

Gain a global perspective by participating in various overseas internships and immersion programmes to places such as London, Brisbane, Bangkok, Chongqing, Hong Kong, Nanjing and Shanghai.



TOP LECTURERS

You're in good hands here! Under the guidance of lecturers with rich research industry experience – many of whom hold post-graduate qualifications and practising certificates – you can expect a fulfilling learning experience at LSCT.

PAIR YOUR DIPLOMA WITH THAT SOMETHING XTRA



Take 1 or 2 Learning Units in an area that piques your interest.
Or complete 3 Learning Units to get a Minor.

The choice is yours. Our **Personalised Learning Pathway (PLP)** lets you choose what you'd like to learn from 4 different pathways and more than 50 Learning Units (LUs). Upon completing 3 LUs, you will graduate with a Diploma + Minor!

PLP is NP's signature programme to enable you to pursue your passion and gain in-demand skills. From applied psychology to data analytics, entrepreneurship to sustainability, our 11 Minors are specially curated to help you seize opportunities for a brighter future.

Mix and match your LUs or take up 3 specific LUs to earn a Minor Cert. Go on an overseas trip or attend a masterclass. Discover fun, freedom and fulfillment when you personalise your learning with PLP!

To check out the wide range of interesting LUs and how you can personalise your learning, visit www.np.edu.sg/plp or scan the QR code here!



Personalise Your Learning with 4 Exciting Pathways & 11 Minors



Global Readiness Pathway

Minor In

- Foreign Languages
- Global Readiness



Entrepreneurship Pathway

Minor In

- Entrepreneurship



Professional Skills Pathway

Minor In

- Applied Psychology
- Cybersecurity
- Data Analytics & AI
- Fundamentals of Internet of Things
- Social Media Marketing
- User Experience Design



Social Leadership Pathway

Minor In

- Social Leadership
- Sustainability

Common Science Programme

Get latest updates on course



- ▶ **Gateway to two reputable diplomas** – Biomedical Science and Pharmaceutical Science
- ▶ Gain **industry-relevant skills** to explore a career in the pharmaceutical or biopharmaceutical fields
- ▶ Through exciting experiential learning activities and industry exposure opportunities, our unique **Diploma Exposure Programme** will help you make an informed course choice at the end of the first semester

WHAT THE COURSE IS ABOUT

Want to make a difference in the world of science and healthcare, but not sure which route to take? Choose our Common Science Programme (CSP) to gain a deeper understanding of the biomedical and pharmaceutical sectors in the first semester.

Through curated experiences comprising foundation modules and industry exposure, you will discover your interest and the exciting career possibilities in these sectors. This will help you make an informed decision on which diploma suits you better.

In your first semester, you will take foundational modules in cell biology and genetics, inorganic and physical chemistry, as well as biosafety and biosecurity practices. In addition, you will earn the bizSAFE level 2 certification in essential workplace safety. You can also look forward to gaining more hands-on experiences through workshops and interactive e-learning activities in the Diploma Exposure Programme.

What's more, our Career & Professional Preparation module will help you discover your strengths, aspirations and career goals. At the end of this foundation semester, you will get to choose either the Biomedical Science or Pharmaceutical Science diploma – both of which will open doors to rewarding career pathways for you!

COMMON SCIENCE PROGRAMME

Take foundation modules across different disciplines in Semester 1 to help you discover your strengths and interests

Choose one of two popular and proven diplomas at the end of Semester 1

DIPLOMA IN BIOMEDICAL SCIENCE (BMS)



Get the training and industry exposure to explore a career in the biotechnology, medical or healthcare fields

DIPLOMA IN PHARMACEUTICAL SCIENCE (PHARM)



Gain skills and expertise in clinical pharmacy and pharmaceutical science applications for a career in healthcare and applied science

WHAT YOU WILL LEARN

YEAR 1

- Biosafety & Risk Management
- Career & Professional Preparation 1
- Cell Biology & Genetics
- Inorganic & Physical Chemistry
- Mathematics
- Health & Wellness[^]
- Innovation Made Possible[^]

YEAR 2

- Modules under the LSCT diploma you major in

YEAR 3

- Modules under the LSCT diploma you major in
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.

FURTHER STUDIES

Refer to the Further Studies section on the respective diploma pages.

CAREER

Refer to the Career section on the respective diploma pages.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-6
Any one of the following subjects:	1-6
Biology	
Biotechnology	
Chemistry	
Food & Nutrition/Nutrition & Food Science	
Physics	
Science (Chemistry, Biology)	
Science (Physics, Biology)	
Science (Physics, Chemistry)	

You must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

Candidates with colour vision deficiency may encounter difficulties meeting the course requirements and expectations.

CONTACT US

For the most up-to-date information on NP's Common Science Programme, visit www.np.edu.sg/csp

N59

DIPLOMA IN

Biomedical Science

Get latest updates on course



- ▶ An established biomedical science programme that prepares you for further studies and careers in medicine, biomedical research, allied healthcare, and data analytics
- ▶ Unique opportunity to participate in an exclusive one-year Integrated Clinical Training Programme with SGH, focusing on thriving fields such as translational research, clinical trials, clinical innovations, healthcare data analytics, and clinical diagnostics
- ▶ Join the ranks of our illustrious alumni who have received prestigious A*STAR, MOHH, local and overseas university scholarships and awards

WHAT THE COURSE IS ABOUT

Fascinated by the structure of living organisms and how the human body functions? Or interested in making the next big breakthrough in diagnosing, treating or preventing diseases like COVID-19?

With the rising demand for quality healthcare, our reputable Diploma in Biomedical Science (BMS) will give you a head start if you are keen on a dynamic career in the biotechnology, medical and healthcare sectors. Known for its rigorous and broad-based curriculum, BMS will prepare you well for both further studies and work.

Building a Strong Foundation

With BMS, you will build a firm foundation in bioscience and chemistry, and develop research and problem-solving skills that are highly valued by the industry. You will also acquire knowledge in analytical chemistry, molecular biology, cell culture and immunology.

To equip you for the field of translational research – where scientific discoveries are harnessed to benefit human health – you will deepen your skills in translational medicine and clinical trials. You can even choose elective modules in biomanufacturing and food science & technology to broaden your career opportunities.

Design Your Learning

In your final year, you may sign up for an exclusive one-year Integrated Clinical Training Programme at Singapore General Hospital, where you will work alongside doctors and researchers to conduct research and solve real-world problems in a hospital setting. You can also choose from one of these areas of training: translational research, clinical trials, clinical diagnostics, health services research and clinical innovations.

Or you may choose the Applied Biomedical Science track, where you will get to work on a final-year Capstone Project and undertake a six-month internship with renowned local or overseas industry players. Our partners include research institutes such as A*STAR's Genome Institute of Singapore, Institute of Bioengineering and Nanotechnology and Institute of Molecular and Cell Biology; biopharmaceutical and pharmaceutical companies like Lonza and MSD; as well as healthcare institutes like SingHealth and National Cancer Centre Singapore.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.



Gautam is among the first batch of students to embark on LSCT's exclusive one-year Integrated Clinical Training Programme. He shares how the experience helps him gain real-world exposure in areas such as translational research, data analytics and clinical trials.

“The Integrated Clinical Training Programme prepares me well for a career in healthcare. I hope to pick up skills in CRISPR, a gene editing tool that can help identify and cure diseases. The hands-on learning experiences will open pathways for me to pursue medicine and become a cardiologist.”

K.S. GAUTAM
Biomedical Science student, Year 3

OVERVIEW OF YOUR BMS JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Anatomy & Physiology
- Biosafety & Risk Management
- Biostatistics
- Cell Biology & Genetics
- Inorganic & Physical Chemistry
- Organic & Biological Chemistry
- Microbiology
- Mathematics
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Analytical Chemistry
- Applied Microbiology
- Applied Biostatistics
- Biochemistry
- Cell Culture & Bioprocess Engineering
- Immunology Techniques
- Molecular Biology & Bioinformatics
- Any two elective modules:
 - Biomanufacturing Practices
 - Biopharmaceutical Analysis
 - Food Science & Technology
 - Food Processing & Safety
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

Applied Biomedical Science Track

- Genomics & Proteomics
- Translational Medicine & Clinical Trials
- Capstone Project
- Six-month Internship (Local/Overseas)
- Project ID: Connecting the Dots[^]

Integrated Clinical Training Programme

- Integrative Module 1 & 2
- Project ID: Connecting the Dots[^]

[^]Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students only

FURTHER STUDIES

As a BMS graduate, you can pursue a wide range of degree programmes such as biological science, medicine, allied healthcare, laboratory medicine, medical technology, food science & technology, bioengineering, chemistry, dentistry, education, psychology, social science, architecture, business and business administration.

In fact, more than 80% of our graduates enrol in National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology and Singapore University of Social Sciences every year. Top overseas universities also welcome our graduates with generous module exemptions. These include:

Australia

- Australian National University
- Murdoch University
- Queensland University of Technology
- RMIT University
- The University of Adelaide
- The University of Melbourne
- The University of Queensland
- The University of Sydney
- The University of Western Australia
- University of New South Wales
- University of Technology Sydney

New Zealand

- The University of Auckland

United Kingdom

- Queen's University Belfast
- University of Dundee
- University of Leeds
- University of Liverpool
- The University of Edinburgh
- The University of Manchester

ZHUO ZHENG WONG

Biomedical Science graduate,
Class of 2023



Zhuo Zheng is pursuing a degree in Data Science & Analytics at NUS.

CAREER

As a versatile BMS graduate who is able to respond to fast-changing employment needs, you can enter various industries upon graduation. Look forward to careers in roles including:

- Assistant Data Analyst
- Assistant Clinical Innovation Engineer
- Assistant Food Technologist
- Clinical Trial Assistant
- Laboratory Analyst
- Laboratory Technologist
- Biotechnologist
- Medical Laboratory Scientist/Medical Technologist
- Quality Assurance Executive
- Quality Control Analyst
- Research Assistant
- Research Technologist
- Sales & Marketing Representative



SYLVIA CHIANG

Biomedical Science graduate,
Class of 2007

Sylvia is a clinical operations manager at IQVIA, a multinational health technology company.



DR NATASHA SNG

Biotechnology* graduate,
Class of 2005

Passionate about exploring space farming, Natasha is a project scientist at National Aeronautics and Space Administration (NASA).

*Subsumed under the Diploma in Biomedical Science

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-6
Any one of following subjects:	1-6
Biology	
Biotechnology	
Chemistry	
Food & Nutrition/Nutrition & Food Science	
Physics	
Science (Chemistry, Biology)	
Science (Physics, Biology)	
Science (Physics, Chemistry)	

You must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

CONTACT US

For the most up-to-date information on NP's Diploma in Biomedical Science, log on to www.np.edu.sg/bms

N73

DIPLOMA IN

Pharmaceutical Science Revamped

Get latest updates on course



- Unique curriculum integrates clinical pharmacy and pharmaceutical science applications to give you an edge in **future careers and degrees in medical, healthcare and drug development fields**
- Explore new possibilities in drug and treatment development with two elective options: **Complementary Medicine & Traditional Chinese Medicine** or **Nutrition & Dietetic Science**
- **Gain future-ready skills in healthcare innovations** to transform pharmaceutical practices and operations through internships and capstone projects

WHAT THE COURSE IS ABOUT

Discover what it is like to work at the forefront of clinical pharmacy, and drug discovery and development when you choose the Diploma in Pharmaceutical Science (PHARM). With Singapore being one of the most advanced hubs in the fields of healthcare, and pharmaceutical manufacturing and research in Asia, you can expect bright career prospects in these sectors!

Industry-relevant Learning

Besides building a solid foundation in biological, chemical and pharmaceutical sciences, you will learn about pharmaceutical biotechnology, physiology and diseases, as well as pharmaceuticals and pharmacology. In addition, you will acquire knowledge of essential laboratory techniques for formulating and analysing pharmaceutical components and products, along with the best practices of the pharmaceutical industry.

Moreover, PHARM offers a strong focus on industry-relevant training in dispensing skills and pharmacy practices, providing you with opportunities for hands-on experience at healthcare institutions. Thanks to our close links with the industry, you will even get to work on real-world projects alongside experienced professionals.

Get Future-ready

Disruptive technologies and trends such as automation, artificial intelligence (AI), 3D printing and data analytics are impacting the manufacturing and distribution of pharmaceuticals. To prepare you for the rapidly changing landscape, you will learn how to adopt technologies such as 3D printing, prototyping skills, health informatics automation and AI in pharmacy to provide better healthcare and consumer care services.

With growth prospects in the pharmaceutical biotechnology field, PHARM will equip you with the relevant know-how in bioprocess manufacturing technologies. It will also enrich your understanding of emerging digital pharmaceutical and life sciences trends in both clinical and industry settings. All of these will diversify your skill sets and expand your career options.

Exciting Internships

For your internship, you can choose to work in community and hospital pharmacies such as National Healthcare Group polyclinics and Singapore General Hospital, or global pharmaceutical companies like Lonza and Alcon. Over six months, you'll get to apply your knowledge in real-world settings and develop valuable professional experience and networks!

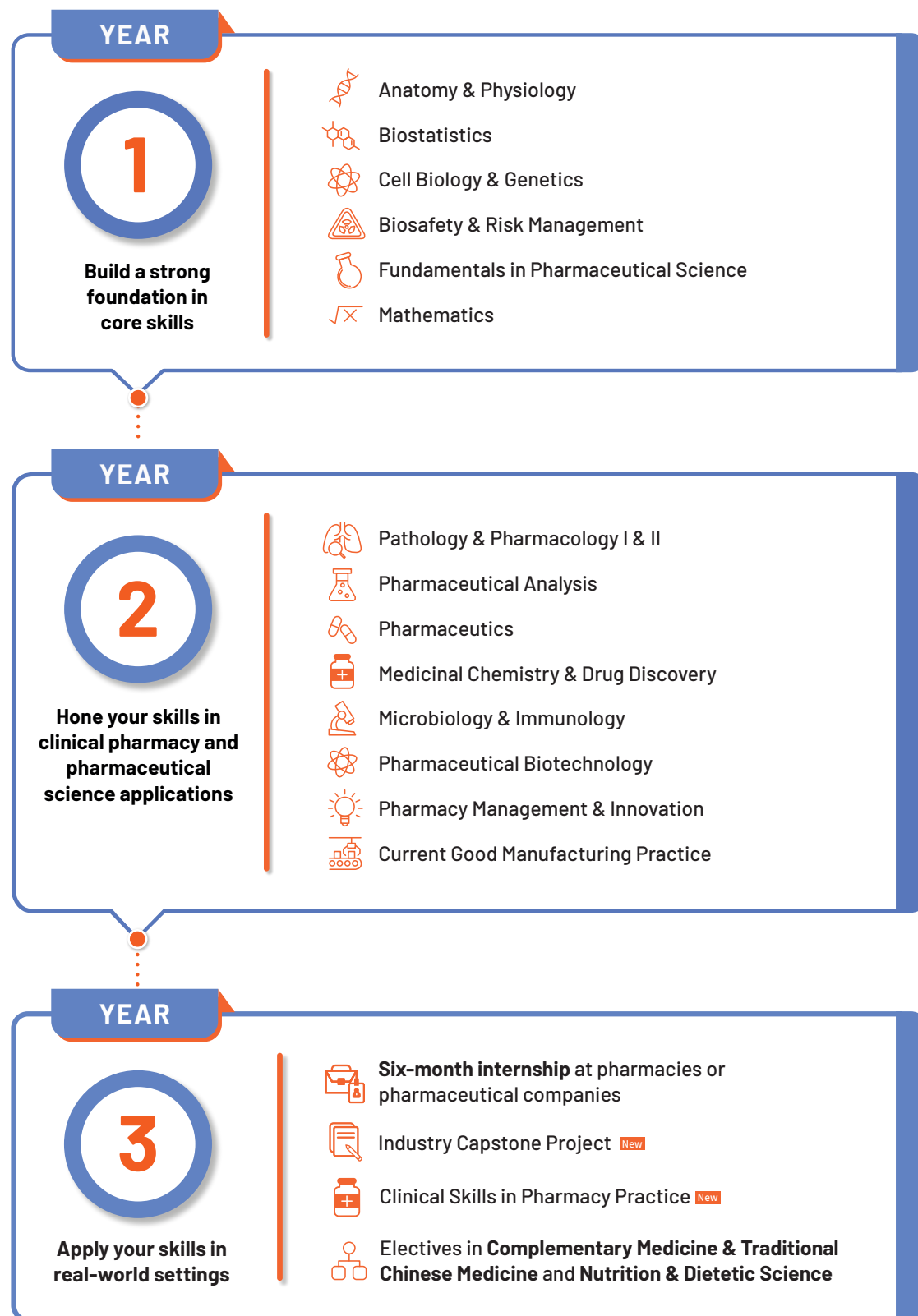
Enriching Electives

To give you an added edge, you can take electives to widen your skills and future career choices. Choose the Complementary Medicine & Traditional Chinese Medicine elective if you want to learn how to evaluate the evidence behind alternative therapies and traditional Chinese medicines. Or opt for the Nutrition & Dietetic Science elective if you are interested in learning about how nutrients, supplements and weight management can impact one's health.

Partnerships



OVERVIEW OF YOUR PHARM JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Anatomy & Physiology
- Biosafety & Risk Management
- Biostatistics
- Cell Biology & Genetics
- Fundamentals In Pharmaceutical Science
- Inorganic & Physical Chemistry
- Organic & Biological Chemistry
- Mathematics
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Applied Biostatistics
- Medicinal Chemistry & Drug Discovery
- Microbiology & Immunology
- Pharmaceutical Biotechnology
- Pathology & Pharmacology I & II
- Pharmaceutical Analysis
- Pharmaceutics
- Pharmacy Management & Innovation
- Current Good Manufacturing Practice
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

- Clinical Skills in Pharmacy Practice
- Industry Capstone Project
- Any one elective module:
 - Complementary Medicine & Traditional Chinese Medicine
 - Nutrition & Dietetic Science
- Internship
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students only.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.

FURTHER STUDIES

As a PHARM graduate, you can apply for the Bachelor of Pharmacy (Honours) and Bachelor of Science (Pharmaceutical Science) at National University of Singapore. You can also apply for related degrees in allied health, biological science, chemistry, life sciences, dentistry and medicine, or a wide range of other degrees in fields such as the arts, architecture, business, education, psychology and social science offered by the local universities.

You may enjoy exemption when applying for related degree programmes at overseas universities, including:

Australia

- Monash University
- Queensland University of Technology
- RMIT University
- The University of Melbourne
- The University of Queensland
- The University of Sydney
- The University of Western Australia

New Zealand

- The University of Auckland
- University of Otago

NICOLETTE KOH

Pharmaceutical Science graduate, Class of 2022



A recipient of the Ngee Ann Polytechnic Outstanding Achievement Award, Nicolette is pursuing a degree in Pharmacy at NUS.

CLAUDIA HENG

Pharmaceutical Science graduate, Class of 2022



Claudia is pursuing Medicine at the NUS Yong Loo Lin School of Medicine.

CAREER

Your PHARM diploma will open doors to many careers. Here are some roles that you can look forward to:

- Pharmacy Technician
- Laboratory/Research Technologist
- Quality Assurance/Control Analyst
- Clinical Trial Associate/Coordinator
- Healthcare Product Executive
- Patient Services Associate
- Pharmacy Sales Executive
- Regulatory Executive



JOYCE NAI
Pharmacy Science*
graduate, Class of 2015

Joyce is currently working as a pharmacist at Unity Pharmacy.

*Renamed the Diploma in Pharmaceutical Science



VENICE TAN
Pharmaceutical Science
graduate, Class of 2023

Venice is working as a pharmacy technician at the National Centre for Infectious Diseases.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-6
Any one of the following subjects:	1-6
Biology	
Biotechnology	
Chemistry	
Food & Nutrition/Nutrition & Food Science	
Physics	
Science (Chemistry, Biology)	
Science (Physics, Biology)	
Science (Physics, Chemistry)	

You must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

Candidates with colour vision deficiency may encounter difficulties meeting the course requirements and expectations.

CONTACT US

For the most up-to-date information on NP's Diploma in Pharmaceutical Science, visit www.np.edu.sg/pharm

N57

DIPLOMA IN

Landscape Design & Horticulture

Revamped

Get latest updates on course



- An **exclusive diploma** that combines training in landscape design with plant science and horticulture to prepare you for exciting roles in transforming Singapore's cityscape
- Experience learning in **immersive outdoor settings** such as Singapore Botanic Gardens, Clementi Woods Park and nature reserves
- **Acquire the latest industry practices and technologies** through a curriculum jointly developed, delivered and assessed by industry, including the National Parks Board
- **Build a strong multidisciplinary foundation** to widen career options in sustainability-related fields such as horticulture, environmental science, landscape architecture and urban agriculture

WHAT THE COURSE IS ABOUT

Want to be the creative drive behind Singapore's garden city or play a part in building a sustainable and green future? If you have a love for nature and a flair for design, the Diploma in Landscape Design & Horticulture (LDH) will put you on the right track to develop and enrich Singapore's green spaces.

Combining landscape design, plant science and horticulture management, LDH is the only diploma level course of its kind in Singapore. Thanks to our strong partnership with the National Parks Board, you can look forward to practical training at the Greenhub, a dedicated classroom set in Clementi Woods Park, Singapore Botanic Gardens, and other national parks and gardens.

Hands-on Learning

Develop skills in landscape design and learn about urban ecology and conservation, as well as plant taxonomy. You will then progress on to learn about plant physiology and breeding, arboriculture, urban horticulture technology and softscape design in your second year. This will equip you with the knowledge needed to design landscapes, manage projects, and maintain outdoor spaces. At our smart greenhouse facility, you will learn about urban agriculture and how to optimise crop growth through analysis of real-time environmental data detected by smart sensors.

Enjoy experiential learning outside of the classroom? You'll get to be involved in tree planting at Pulau Ubin and various locations in Singapore, or the removal of invasive plant species in our nature reserves.

Real-world Application

In addition, LDH will hone your project management skills at the various parks and project sites in Singapore, where you can help to design guided tours, therapeutic gardens and biophilic play areas. You may also get a chance to create prototypes of hydroponics and aquaponics systems and investigate and experiment on growth parameters for edible crops!

Industry-relevant Training

Through curriculum jointly developed by industry partners, you will acquire knowledge and skills by tapping into the expertise of companies that specialise in diverse areas ranging from smart landscaping technology, sustainable water management in landscape design, and biodiversity impact assessments for urban development.

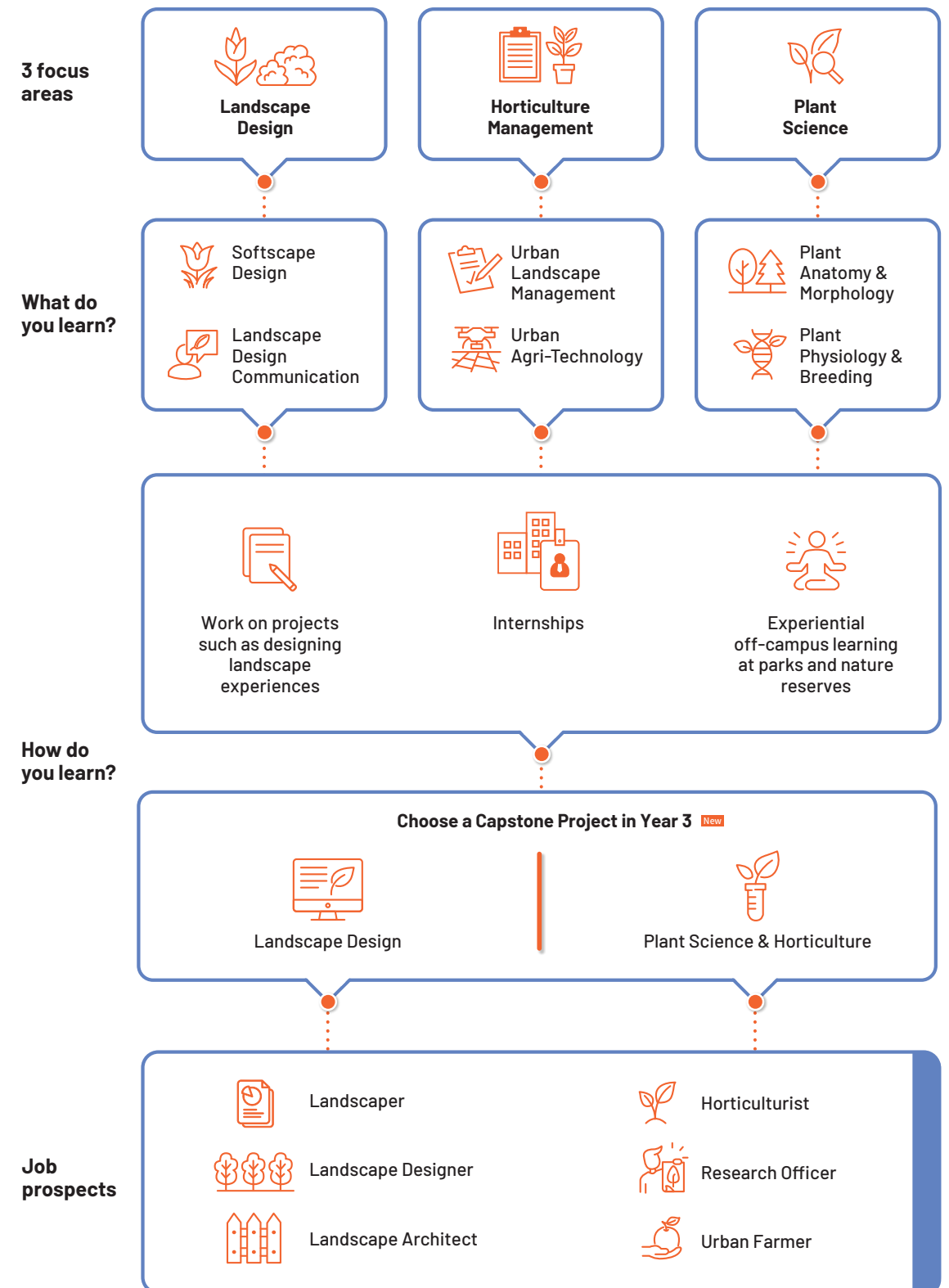
Graduates who are keen to become a certified arborist in the landscape industry will also receive exemptions for selected exam pre-requisites when taking the International Society of Arboriculture Certified Arborist Preparatory Programme.

Deepen Your Skills

In your final year, you can specialise in either Plant Science & Horticulture or Landscape Design through a capstone project with industry partners.

You can even choose to intern at a company specialising in the same domain area. With our renowned partner organisations such as Gardens by the Bay, Sentosa Golf Club, Singapore Botanic Gardens, Sungei Buloh Wetland Reserve, Pulau Ubin, Changi Airport, and Mandai Wildlife Reserve, you can look forward to an internship that will sharpen your skill sets!

OVERVIEW OF YOUR LDH JOURNEY



Partnerships



WHAT YOU WILL LEARN

YEAR 1

- Computer-Aided Design Application
- Chemistry
- Landscape Design Communication 1
- Landscape Studio: Design Fundamentals 1 & 2
- Plant Anatomy & Morphology
- Soil Science & Plant Nutrition
- Taxonomy & Plant Identification
- Urban Ecology & Conservation
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Arboriculture
- Landscape Design Communication 2
- Landscape Studio 2: Design Process 1 & 2
- Plant Pathology & Entomology
- Plant Physiology & Breeding
- Propagation & Nursery Management
- Softscape Design
- Urban Horticulture Technology
- Urban Landscape Management
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

- Capstone Project: Plant Science & Horticulture OR Landscape Studio
- Landscape Project Management
- Leisure & Park Management
- Urban Agri-Technology
- Internship
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students only.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.

FURTHER STUDIES

You can apply for courses in fields such as architecture, landscape architecture, business, science and social studies at National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore University of Technology and Design, Singapore Institute of Technology and Singapore University of Social Sciences.

You may pursue a related degree course (such as architecture, landscape architecture, business, horticulture, plant science, botany and arboriculture) at overseas universities with module exemptions. These include:

Australia

- Australian National University
- Monash University
- The University of Adelaide
- The University of Melbourne
- The University of Queensland
- The University of Sydney
- The University of Western Australia
- University of New South Wales

New Zealand

- Lincoln University

United States

- University of Georgia

You can enrol in many relevant certification courses that are offered by the Centre for Urban Greenery and Ecology to further develop your expertise in the landscape industry. There are also relevant programmes organised by the National Parks Board and the Singapore Institute of Landscape Architects that you can join to stay current with industry practices.



EMELIA QUEK
Landscape Design & Horticulture graduate,
Class of 2022

Emelia is currently pursuing a Bachelor's degree in Environmental Earth Systems Science at NTU.

CAREER

You can put your green thumbs to work at the two integrated resorts, three waterfront gardens at Marina Bay, country clubs, hotels and property developments across Singapore.

As an LDH graduate, you can also find employment in these roles:

- Arboriculture Supervisor
- Horticulturist
- Horticulture Product Specialist
- Park Officer
- Lab Technologist
- Landscaper
- Landscape Designer
- Landscape Project Coordinator
- Landscape Supervisor
- Nursery Supervisor
- Research Officer
- Turfgrass Specialist
- Urban Farmer



CARISSA KWA
Landscape Design & Horticulture graduate,
Class of 2016

Carissa is an assistant project manager and certified arborist at Mao Sheng Quanji Construction Pte Ltd.



SITI ZALEHA ABDULLAH
Landscape Design & Horticulture graduate,
Class of 2016

Zaleha is a flora specialist at Camphora Pte Ltd.



TAN JING XIANG
Horticulture & Landscape Management* graduate,
Class of 2010

Jing Xiang was awarded a CapitaLand scholarship to pursue a master's degree in Architecture. He received the SG Eco Fund grant to start a food waste recycling programme at his farm in Bukit Timah.

*Renamed the Diploma in Landscape Design & Horticulture

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-D

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-7
Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type	1-6

You must also fulfil the aggregate computation requirements for the ELR2B2-D Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

CONTACT US

For the most up-to-date information on NP's Diploma in Landscape Design & Horticulture, visit www.np.edu.sg/ldh

DIPLOMA IN

Chemical & Biomolecular Engineering

Revamped

Get latest updates on course



- Be prepared for a **diverse range of careers** in sectors such as biopharmaceutical, petrochemical, semiconductor, energy, and sustainability, and exciting further study opportunities in many disciplines
- Learn to harness the latest technologies in **immersive learning facilities** including custom-designed automated pilot plant and simulation laboratory
- Gain real-world experience through **curated internships, industry mentorships and capstone projects** with MNCs such as GSK, Lonza, Pfizer, ExxonMobil, Shell and Air Liquide

WHAT THE COURSE IS ABOUT

A broad-based course that integrates biological and chemical sciences with engineering concepts, the Diploma in Chemical & Biomolecular Engineering (CBE) will open doors for you to explore careers in many industries, including the energy and chemical, biopharmaceutical, biotechnology, environmental, semiconductor and manufacturing sectors.

Strong Broad-based Foundation

CBE introduces core concepts in chemical engineering, beginning with modules such as Chemical & Biomolecular Engineering Principles, Inorganic & Physical Chemistry, Organic & Biological Chemistry and Thermodynamics. Here, you'll explore the application of scientific concepts in operating engineering systems and equipment. This includes an in-depth study of biopharmaceutical technology, chemical engineering transfer technologies, analytical chemistry, as well as the role of the chemical engineer in addressing environmental pollution.

Get Future-ready with Green and Digital Skills

The course is designed to hone critical thinking and problem-solving skills that will help the chemical and biomolecular engineers of tomorrow succeed. Sustainability concepts related to chemical engineering are integrated into the curriculum to sharpen your capabilities to develop solutions that address real-world challenges. You will gain essential skills in data analytics, simulation software, and process optimisation through hands-on experiences with automated pilot plants and simulated refineries in IT-enabled facilities. These skills will prepare you for the dynamic biopharmaceutical and semiconductor manufacturing industries.

Customise Your Learning

In your final year, you will get to choose from two tracks that will get you ready for exciting high-growth industries:

- **Sustainable Energy & Chemistry:** With Singapore being one of the world's leading energy and chemical hubs, there are opportunities aplenty in the sustainable energy production and green chemistry fields. This track will help you develop skills in chemical engineering and environmental management as you work on a capstone project alongside industry professionals.
- **Biopharmaceutical:** Explore modules that delve into biopharmaceutical processes such as cell culture and the purification of biological products. You will gain expertise in biopharmaceutical manufacturing, process optimisation and quality control, which will prepare you well for careers in the many global biopharmaceutical manufacturing companies based in Singapore.

Industry-relevant Training

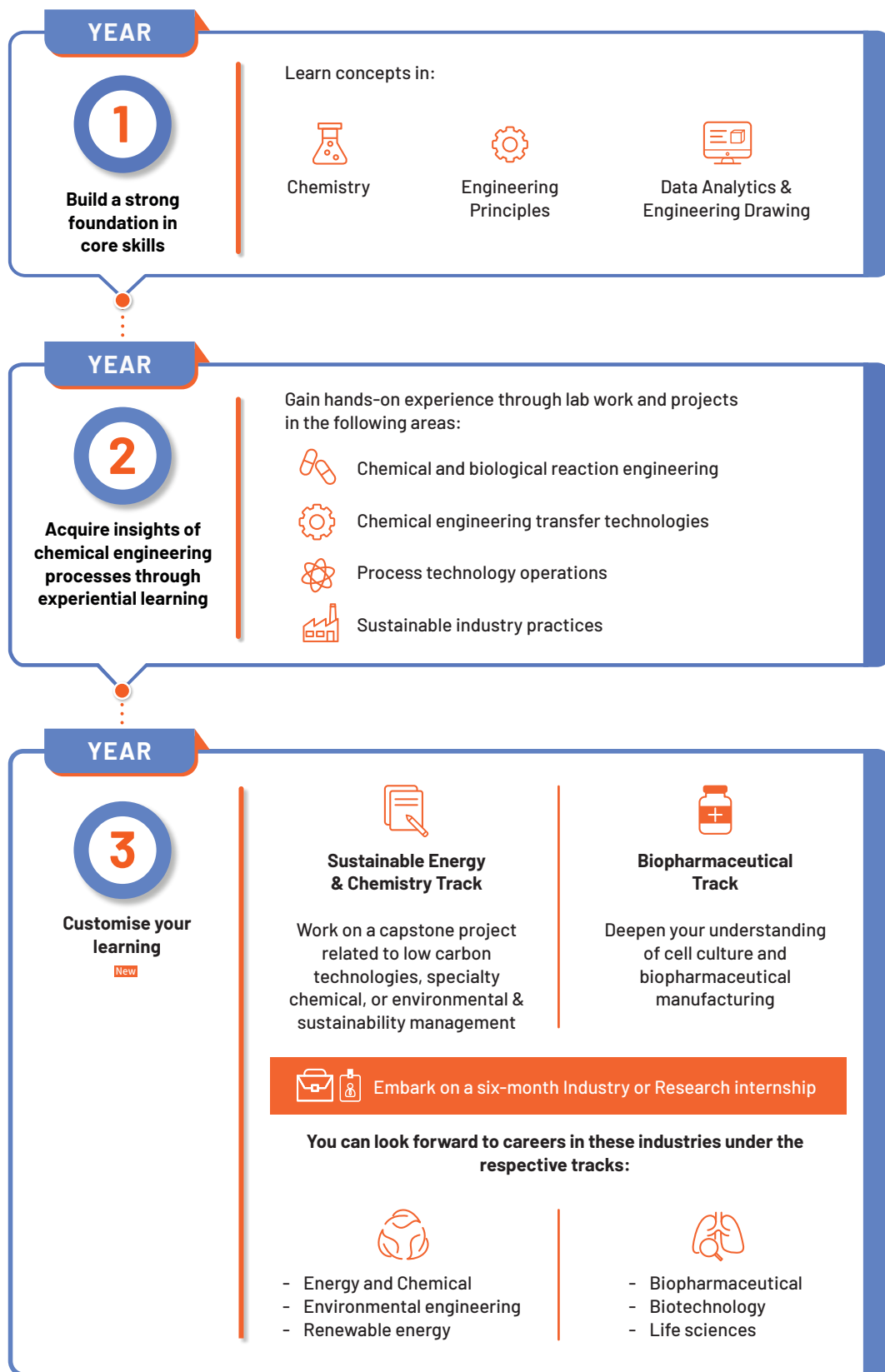
Thanks to our strong ties with industry, you can look forward to modules that are co-developed and co-delivered with leading partners such as Air Liquide. Learn from the experts through lab work, projects and internships, and keep abreast with developments in sustainable industry practices, process design and biopharmaceutical analysis. During your six-month internship, put your learning into practice by opting for an Industry Internship with well-known companies such as Chevron Oronite, ExxonMobil, GSK, Pfizer and Lonza. Or choose a Research Internship at either a local research facility such as A*STAR, or an overseas research institution such as Imperial College London.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.

Partnerships



OVERVIEW OF YOUR CBE JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Chemical & Biomolecular Engineering Principles
- Data Analytics and Engineering Drawing
- Engineering Mathematics 1 & 2
- Organic & Biological Chemistry
- Inorganic & Physical Chemistry
- Thermodynamics
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Analysis of Chemical Engineering Processes
- Analytical Chemistry
- Chemical & Biological Reaction Engineering
- Environment, Health & Safety
- Process Technology Operations
- Reaction & Flow Laboratory
- Sustainable Industry Practices
- Transfer Process & Environmental Laboratory
- Transfer Processes: Fluid Flow
- Transfer Processes: Heat & Mass
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

- Process & Automation Laboratory
- Sustainable Process Design
- Separation Technology
- Six-month Industry or Research Internship
- Project ID: Connecting the Dots[^]

Choose one of 2 options:

Sustainable Energy & Chemistry track

- Capstone Project

Biopharmaceutical track

- Biopharmaceutical Analysis
- Biopharmaceutical Manufacturing

[^] Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students only.

FURTHER STUDIES

You can pursue a wide range of degrees offered by National University of Singapore, Nanyang Technological University, Singapore Institute of Technology, Singapore Management University, Singapore University of Technology and Design and Singapore University of Social Sciences. These include degree courses in chemical and biomolecular engineering, chemical engineering, environmental engineering, material sciences, physics, chemistry and biological sciences.

You may enjoy module exemptions when you apply for related degree programmes at overseas universities, including:

Australia

- The University of Adelaide
- The University of Melbourne
- The University of Queensland
- The University of Western Australia
- University of New South Wales

United Kingdom

- Imperial College
- Newcastle University
- The University of Manchester

TAN BING QIAN

Chemical & Biomolecular Engineering graduate, Class of 2020

A recipient of the A*STAR Science Award (Poly) and NTU-University Scholars Programme Scholarship, Bing Qian is pursuing a Chemical & Biomolecular Engineering degree at NTU.



TAN WEI XI

Chemical & Biomolecular Engineering graduate, Class of 2021

A recipient of the NUS Merit Scholarship, Wei Xi is pursuing a degree in Chemical Engineering at NUS.



CAREER

The CBE course provides you with the foundation and flexibility to enter various industries, ranging from chemical, petrochemical, biochemical, biotechnology, biomedical and pharmaceutical to food & beverage, electronics, and environment, health & safety.

Here are some roles that you can look forward to:

- Assistant Biotechnologist
- Laboratory Technician/Technologist
- Process Technician
- Quality Assurance Assistant
- Quality Control Assistant Laboratory Analyst



NINETTE LEE
Chemical & Biomolecular
Engineering graduate,
Class of 2013

Ninette is a senior reliability engineer at MSD (Merck & Co.).



REY CHOW
Chemical & Biomolecular
Engineering graduate,
Class of 2010

Rey is a process technologist (Utilities and General Facilities) at Shell.



KHAIRUL SYAHMI
Chemical & Biomolecular
Engineering graduate,
Class of 2015

Khairul is a process integration engineer at Micron Technology.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-6
Any one of following subjects:	1-6
Biology	
Biotechnology	
Chemistry	
Computing/Computer Studies	
Design & Technology	
Electronics/Fundamentals of Electronics	
Physics	
Science (Chemistry, Biology)	
Science (Physics, Biology)	
Science (Physics, Chemistry)	

You must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

CONTACT US

For the most up-to-date information on NP's Diploma in Chemical & Biomolecular Engineering, visit www.np.edu.sg/cbe

N74

DIPLOMA IN

Environmental & Water Technology

Revamped

Get latest updates on course



- Embark on green careers in environmental and water sustainability and join the growing community of changemakers to support Singapore Green Plan 2030 and ZeroWaste Masterplan
- An established course co-developed with PUB, Singapore's National Water Agency, and supported by NP's Environmental & Water Technology Centre of Innovation
- Apply for a **bond-free PUB Diploma Scholarship** that comes with an internship placement and a chance to vie for the prestigious **Singapore Sustainability Scholarship**
- Gain **immersive real-world exposure through field trips** to Bishan-Ang Mo Kio Park, Jurong Eco Garden and the NEWater treatment plant

WHAT THE COURSE IS ABOUT

As Singapore embarks on green initiatives under the Singapore Green Plan 2030, new sustainability initiatives will change the way people work, study and play. Join our Diploma in Environmental & Water Technology (EWT) and be at the forefront of developing sustainable environmental solutions!

Strong Sustainability Focus

EWT will equip you with a firm grounding in environmental science and engineering, including areas such as sustainable water management, resource management and circularity, environmental sustainability, as well as environmental management and pollution control. With this strong foundation, you will be well-prepared for further studies and career opportunities in the growing sustainability sector. There are also opportunities for you to score a bond-free PUB scholarship that will come with an internship placement and a chance to vie for the prestigious Singapore Sustainability Scholarship. You may also consider the NEA-Industry Scholarship, which offers a \$15,000 annual study award and employment at the sponsored company.

Industry-relevant Training

Learning will come alive through field trips and learning journeys to Bishan-Ang Mo Kio park, NEWater treatment plant and Sustainable Singapore gallery. These will equip you with practical skills for a diverse range of career opportunities. In your final year, hone your skills further by working on a capstone project to address real-world problems and a six-month internship at organisations such as PUB, Singapore's National Water Agency, Sembcorp, Xylem Water Solutions, and Marchwood Laboratory Services. You can also opt for exciting learning opportunities at NP's Environmental & Water Technology Centre of Innovation (EWTCOI) and work alongside research engineers and scientists on industry-based projects.

Equipped for the Digital Future

Emerging technologies such as Internet of Things (IoT), artificial intelligence, and machine learning are increasingly being used in industrial and environmental processes. Our enhanced curriculum will hone your skills in these areas, so you can engage in environmental analytics and deploy IoT in environmental applications. You will even get to apply what you have learnt in multidisciplinary projects or hands-on activities such as operating drones for environmental monitoring.

Competitions and Professional Certifications

There will be opportunities for you to apply your skills and enhance your portfolio through competitions such as the WorldSkills Competition, PUB Splash Lab Competition, Xylem Global Student Innovation Challenge and Sembcorp Greenwave Competition. The course will also provide opportunities for you to gain additional skills certifications such as the bizSAFE level 2, and noise monitoring and noise control certificates that will stand you in good stead.



WORLDSKILLS CHAMPION

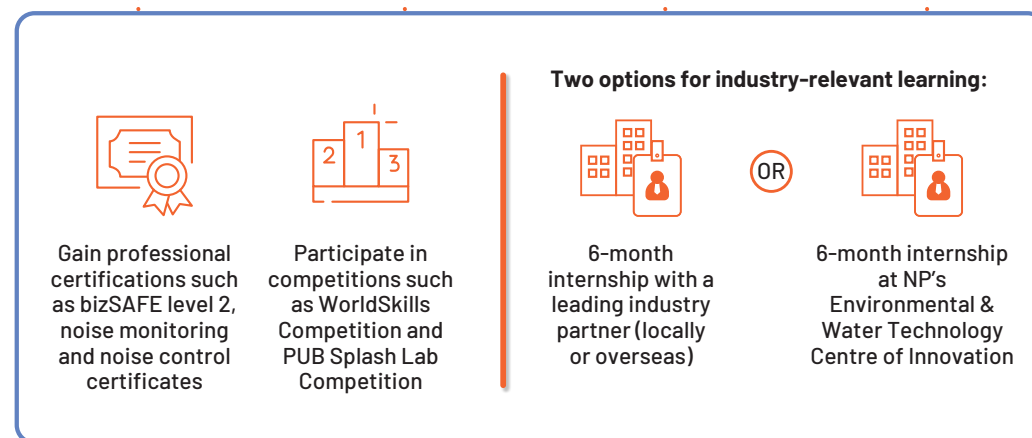
EWT graduate Raine Lim emerged as champion in the Water Technology category of the WorldSkills Competition 2022 Special Edition. Contestants from countries including Germany, Japan and Korea pitted their skills against each other in competency areas such as water quality testing, automation and electrical installations.

OVERVIEW OF YOUR EWT JOURNEY

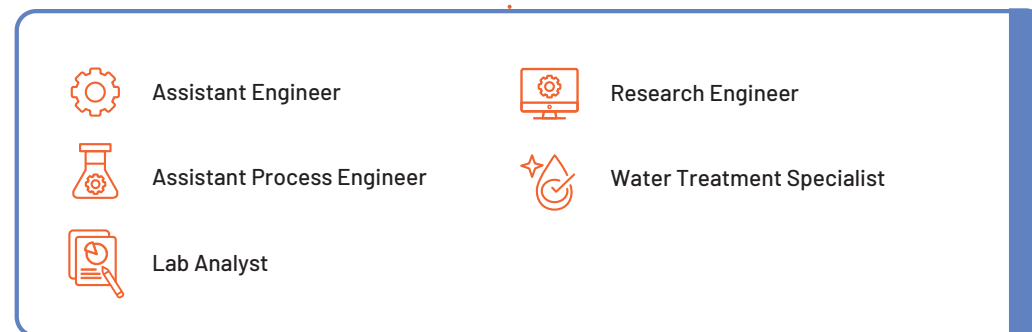
What will you learn?



How will you learn?



Job prospects



Partnerships



WHAT YOU WILL LEARN

YEAR 1

- Civil Engineering Fundamentals
- Environmental Analytics & IoT
- Environmental Engineering Principles
- Engineering Mathematics 1 & 2
- Environmental Microbiology & Biotechnology
- Hydraulics
- Inorganic & Physical Chemistry
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Air Quality Monitoring & Control
- Circular Economy & Environmental Sustainability Management
- Climate Change Mitigation & Adaptation
- Energy & Environmental Management Systems
- Health, Safety & Environment
- Noise Monitoring & Control
- Solid & Hazardous Waste Management
- Water & Environmental Chemistry
- Water Supply Technology & Design
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

- Capstone Project
- Industrial Wastewater & Membrane Technology
- Water Pollution & Reclamation Technology
- Six-month Internship (local/overseas)
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 13 credit units of the diploma curriculum. They include modules in communication, innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore and propose solutions for real-world problems. IS aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students only.

To keep our curriculum current and robust, diploma modules are subject to change over the three years. Please visit our website for latest updates.

FURTHER STUDIES

You can pursue a wide range of degree programmes offered by National University of Singapore, Nanyang Technological University, Singapore Institute of Technology, Singapore Management University, Singapore University of Technology and Design and Singapore University of Social Sciences. These include degree courses in civil engineering, environmental engineering, environmental science, material science & engineering, architecture and chemistry.

Graduates may even gain direct entry into the final year of studies for the Bachelor of Science in Environmental Sustainability and Management, and Bachelor of Science in Environmental Science programmes at the University of Plymouth in the UK.

You may enjoy module exemptions when you apply for related degree programmes at overseas universities, including:

Australia

- Murdoch University
- The University of Adelaide
- The University of Queensland
- The University of Western Australia
- University of New South Wales

United Kingdom

- Newcastle University
- The University of Manchester
- The University of Birmingham
- The University of Plymouth



TEO CHUN YI
Environmental & Water
Technology graduate,
Class of 2023

Chun Yi is the recipient of the Lee Kuan Yew Award and Ngee Ann Polytechnic Outstanding Achievement Award. She is currently pursuing a degree in Environmental Engineering at NUS under the prestigious Public Service Commission Scholarship.



TAN SHERN KAI
Environmental & Water
Technology graduate,
Class of 2021

A recipient of the Singapore Sustainability Scholarship, Shern Kai is pursuing a degree in Civil Engineering at NTU.

CAREER

You will be ready for careers in multinational corporations, government agencies, university laboratories and research institutes. The EWT course provides you with the foundation and flexibility to work in various sectors ranging from chemical, environment, civil to workplace safety & health.

You can look forward to careers in job roles such as:

- Assistant Engineer
- Assistant Process Engineer
- Lab Analyst
- Lab Officer
- Research Engineer
- Water Treatment Specialist
- Environment, Health & Safety (EHS) Officer

Additional certificates will also qualify you for jobs such as a Noise Monitoring or Noise Control Officer.



VICKRAMATHITHAAN
Environmental & Water
Technology graduate,
Class of 2016

Vickram is an executive engineer at PUB, Singapore's National Water Agency.



LOR QIAN MIN
Environmental & Water
Technology graduate,
Class of 2022

A lab analyst at SGS Testing & Control Services Singapore, Qian Min earned a Specialist Diploma in Analytical Science after completing a work-study programme.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

To be eligible for consideration, candidates must have the following GCE 'O' Level examination (or equivalent) results.

Subject	'O' level grade
English Language	1-7
Mathematics (Elementary/Additional)	1-6
Any one of following subjects:	1-6
Biology	
Biotechnology	
Chemistry	
Computing/Computer Studies	
Design & Technology	
Electronics/Fundamentals of Electronics	
Physics	
Science (Chemistry, Biology)	
Science (Physics, Biology)	
Science (Physics, Chemistry)	

You must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type listed at www.np.edu.sg/docs/ELR2B2.pdf.

For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

CONTACT US

For the most up-to-date information on NP's Diploma in Environmental & Water Technology, visit www.np.edu.sg/ewt

OUR GRADUATES WITH THAT SOMETHING XTRA



CLINICAL PROTOCOL EXPERT

“The BMS course provided a firm foundation for me to understand the scientific background in clinical trial protocols. It played a significant role in helping me decide my career path and helped me secure my first two jobs at pharmaceutical MNCs.”

SYLVIA CHIANG

Biomedical Science graduate, Class of 2007

As a Clinical Operations Manager at IQVIA, Sylvia oversees clinical trial research and regulatory processes in the region.



ASPIRING PHARMACIST

“My years in NP provided me with strong pharmaceutical knowledge and allowed me to explore the pharmacy profession in different settings. I am grateful to my lecturers as their guidance has helped me to secure MOHH’s Healthcare Merit Award to pursue my dream course in NUS. In the future, I plan to take part in the National Collaborative Prescribing Programme and pursue the Doctor of Pharmacy programme.”

SONG MEOW YING

Pharmacy Science* graduate, Class of 2021

A recipient of the Lee Kuan Yew Award and Ngee Ann Polytechnic Outstanding Achievement Award, Meow Ying is pursuing a degree in Pharmacy at NUS.

*Renamed the Diploma in Pharmaceutical Science



GUARDIAN OF SINGAPORE’S BIODIVERSITY

“LDH has equipped me with the relevant skills and knowledge to kickstart my career in biodiversity conservation. My internship deepened my learning about Singapore’s diverse biodiversity, which has driven me to pursue a career as a flora specialist to advocate for habitat and plant conservation.”

SITI ZALEHA ABDULLAH

Landscape Design & Horticulture graduate, Class of 2016

Zaleha is a floral specialist at Camphora Pte Ltd. Together with her team, she conducts environmental impact assessments, as well as manages plans to safeguard Singapore’s biodiversity.



NUS SCHOLAR FOR CHEMICAL ENGINEERING

“During my internship, I got to apply fundamental process engineering concepts learned in school into large-scale process operations at Keppel’s Marina East Desalination plant. I went on to extend my learning with an in-house research internship at the material science research lab. With its emphasis on individual excellence and group-based project management skills, CBE has equipped me with skills and knowledge that are both practical and flexible.”

TAN WEI XI

Chemical & Biomolecular Engineering graduate, Class of 2021

Wei Xi is a recipient of the NUS Merit Scholarship and is pursuing a degree in Chemical Engineering at NUS.



SUSTAINABILITY SCHOLAR IN CIVIL ENGINEERING

“My learning journey in NP has been a memorable and amazing experience! I am grateful to have been able to go on a Youth Expedition Project trip to the Philippines and participate in a variety of CCAs. Even when we transitioned to home-based learning during the pandemic, my EWT lecturers were there for me when I had questions or concerns. I hope to engineer sustainable solutions in the water industry in the future!”

TAN SHERN KAI

Environmental & Water Technology graduate, Class of 2021

A recipient of the Singapore Sustainability Scholarship, Shern Kai is pursuing a degree in Civil Engineering at NTU.



PSC SCHOLAR FOR ENVIRONMENTAL ENGINEERING

“My internship at PUB was fulfilling as I could work with sustainability experts in the research and development team! I was involved in a pilot project to upkeep the quality of NEWater, where I could apply my skills in stages of the water treatment process. Thanks to the industry exposure in EWT, I am more confident of my calling to the field of environmental engineering! I hope to play a part in designing solutions for a greener future.”

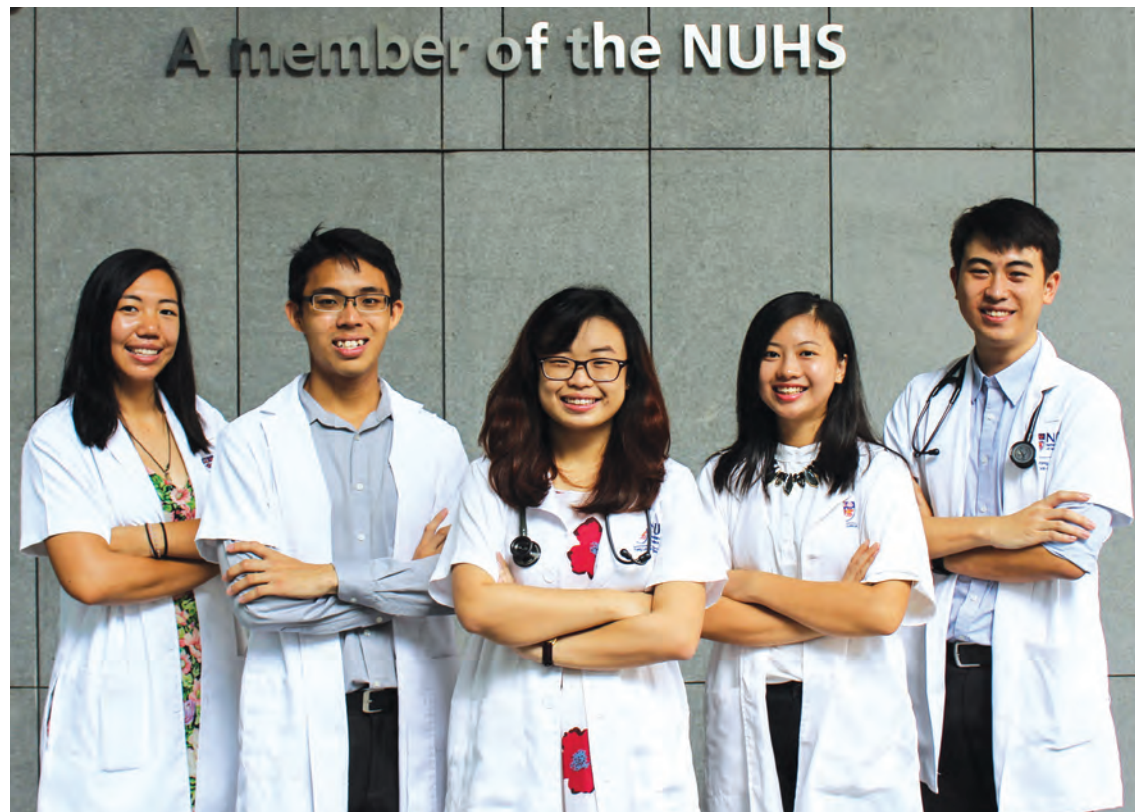
TEO CHUN YI

Environmental & Water Technology graduate, Class of 2023

Chun Yi is the recipient of the Lee Kuan Yew Award and Ngee Ann Polytechnic Outstanding Achievement Award. She is currently pursuing a degree in Environmental Engineering at NUS under the prestigious Public Service Commission Scholarship.

FROM POLY TO MEDICAL SCHOOL

Since 2007, 36 LSCT graduates have made it to National University of Singapore's Yong Loo Lin medical school and Nanyang Technological University's Lee Kong Chian medical school.



"I owe my achievements to many lecturers who had carved out opportunities for me to grow and discover myself. Despite their busy schedules, they were also the ones who sacrificed their precious time to support many of my peers and me through intense university applications and interview cycles. Thank you for believing in our abilities, and for your encouragement that kept us going."

HAZEL LAM

Biomedical Science graduate, Class of 2020

Hazel is studying medicine at NUS' Yong Loo Lin medical school.

DOCTORS AND TRAILBLAZERS



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Dr Ron Ng and Dr Soong Junwei made history when they became the first polytechnic graduates to gain direct admission into a local medical school. Dr Ng and Dr Soong graduated with a Diploma in Biomedical Laboratory Technology* and a Diploma in Biotechnology* respectively. They subsequently applied to enter medical school at the National University of Singapore under a discretionary admissions exercise. Today, Dr Ng specialises in geriatrics while Dr Soong practises at Singapore General Hospital.

*Subsumed under the Diploma in Biomedical Science

535 Clementi Road Singapore 599489
Admissions Hotline: 6463 1233
askNP@np.edu.sg

All information is correct at time of printing (Dec 2023)