

Isct

SCHOOL OF
LIFE SCIENCES
& CHEMICAL
TECHNOLOGY



- › Common Science Programme
- › Biomedical Science
- › Pharmaceutical Science
- › Landscape Design & Horticulture
- › Chemical & Biomolecular Engineering
- › Environmental Science & Sustainability Renamed



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Renamed

Isct

Re-code Your DNA

Imagine a future where your curiosity fuels groundbreaking discoveries. At the School of Life Sciences & Chemical Technology (LSCT), we ignite your passion for science. Whether your passion lies in driving medical breakthroughs or developing sustainable solutions, you'll be empowered to make an impact in your chosen field. Your journey to unravel life's mysteries begins here.



5 Future-Ready Diplomas + 1 Common Science Programme

Life Sciences

Common Science Programme (N15)

- Gateway to two reputable diplomas – Biomedical Science and Pharmaceutical Science
- 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 programme that prepares you for further studies and careers in medicine, biomedical research, allied healthcare, medical technology or biotechnology
- Specialise in one of three tracks: **Medical Bioscience, Clinical Laboratory Science**, or the **Integrated Clinical Training Programme**

Diploma in Pharmaceutical Science (N73)

- 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**
- Apply for Pharmacy Technician Sponsorships offered by various healthcare institutions

Horticulture & Landscape

Diploma in Landscape Design & Horticulture (N57)

- One-of-a-kind diploma that combines training in landscape design, plant science and horticulture
- Immersive learning at outdoor settings such as Singapore Botanic Gardens, Clementi Woods Park, Gardens by the Bay, and nature reserves
- Strong multidisciplinary foundation opens doors to more options, including careers in the sustainability sector

Chemical & Environmental Technology

Diploma in Chemical & Biomolecular Engineering (N56)

- Step into dynamic careers in industries driving the future – from biopharmaceuticals and petrochemicals to semiconductors, energy, and sustainability
- Experience immersive learning with our modular pilot plant, where you take control of system operations, complemented by simulation tools and digital twin technology
- Embark on internships, industry mentorships and capstone projects with MNCs such as GSK, Lonza, Pfizer, ExxonMobil, Shell, Merck, Air Liquide and Siemens

Diploma in Environmental Science & Sustainability* (N74) **Renamed**

- Pursue green careers in water and environmental sustainability to support the Singapore Green Plan 2030
- Established course co-developed with PUB, Singapore's National Water Agency, and supported by NP's award-winning Centre for Environmental Sustainability
- Attractive scholarships such as the bond-free PUB Diploma Scholarship, NEA-Industry Scholarship and the Singapore Sustainability Scholarship

*Formerly known as Diploma in Environmental & Water Technology

Why Choose LSCT



Ready For The Future

Dive into the future with hands-on experience in cutting-edge technologies like 3D printing, the Internet of Things, and virtual reality. Gain the skills you need to thrive in the fast-evolving life science and chemical industries.

Top Lecturers

You're in good hands here! Guided by experienced lecturers with rich research backgrounds and advanced qualifications, you'll enjoy a fulfilling learning experience.



Coded for Success

Join our graduates who have made it to leading universities around the world and clinched prestigious scholarships. To date, more than 60 LSCT graduates have entered Medicine, Pharmacy and Dentistry!

LSCT's flagship enrichment programme, 'Coded for Success', will prepare high potential students for a future in competitive university courses and national scholarships. From mentorship by specialists, curated learning opportunities that broaden your exposure, to connections to LSCT's wide network of alumni and industry partners, we will set you up for success!



Exciting Prospects

We prepare you for further studies or careers in the growing areas of biomedical science, healthcare, pharmaceuticals, sustainability and environmental science, plant science and landscape design, with our expertise in:

- Biocatalysis and Fermentation
- Biopharmaceuticals
- Cancer biology
- Cell and molecular biology
- Food technology
- Molecular diagnostics
- Membrane technology
- Urban agritechology and agribusiness
- Sky-rise greening

Industry-Relevant Learning

Work with the industry's best through capstone projects, internships, and off-campus classes. LSCT has close links with key players such as A*STAR, Lonza, NHG Health Pharmacy, Pfizer, Singapore General Hospital, National Parks Board and PUB, Singapore's National Water Agency.



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

go flex at LSCT



Shape a learning journey that matches your unique interests with NP's Go FLEX (Flexible Learning EXperience) and get a head start on your further studies and career!



Go BROADER

Personalised Learning Pathway (PLP) Minor
With **12 Minors** and **>50 Learning Units (LUs)**, unlock possibilities by pairing your diploma with one of the following Minors:

- Applied Psychology
- Cybersecurity
- Data Analytics & AI
- Entrepreneurship
- Environmental Sustainability
- Foreign Languages
- Global Readiness
- Robotics & Innovation
- Social Leadership
- Social Media Marketing
- Sustainable Care
- User Experience Design

Check out the wide range of LUs at www.np.edu.sg/plp



Go LONGER

One-year Industry Immersion
In an exclusive partnership with Singapore General Hospital, BMS's **Integrated Clinical Training Programme** builds clinical expertise and professional connections.



Go FURTHER

Passion+ Pathways
Kick-start your entrepreneurial journey or venture into Southeast Asia with confidence through our signature **Global Entrepreneurial Internship Programme** and **Southeast Asia Immersion Leadership Programme**.



Go MULTIPLE

Multidisciplinary Capstone
Collaborate with students across NP to work on exciting **real-world projects** in your final year!



Go GLOBAL

Overseas Programmes
Whether it's a **Medical University Discovery Trip**, **Overseas Immersion Programme** or **Youth Expedition Project**, you'll see the world in brand new ways!



Go DEEPER

Specialisations
BMS and CBE students can **deepen skills in specialised areas** for the added edge.



Scan this QR code for more details about **Go FLEX**



Get latest updates on course



N15

Common Science Programme

- Gateway to **two reputable diplomas** that open doors to the healthcare and allied healthcare sectors – Biomedical Science and Pharmaceutical Science
- Gain **industry-relevant skills** to explore a career in the pharmaceutical or biopharmaceutical fields
- Through exciting experiential learning activities, 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

Interested in 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 your first semester.

Through curated experiences – such as insightful foundation modules and education & career guidance – you will discover your interests and the exciting career possibilities in these sectors. This will help you make an informed decision on which diploma suits you.

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. Also, look forward to workshops with hands-on learning, complemented by interactive e-learning activities in the Diploma Exposure Programme.

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



COMMON SCIENCE PROGRAMME

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

Choose one of our two popular diplomas at the end of Semester 1

Diploma in Biomedical Science (BMS)



Equip yourself with the training and real-world exposure to pursue a future in biotechnology, medicine, or other healthcare professions

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
- Cell Biology & Genetics
- Inorganic & Physical Chemistry
- Mathematics
- Career & Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Confident Communication: Find Your Voice (VOICE)[^]
- English Language Express^{^*}

You will select your preferred diploma towards the end of your first semester. Refer to the module listing in the respective diploma pages for more details:

- Biomedical Science (page 8)
- Pharmaceutical Science (page 14)

YEAR 2

- Modules under the LSCT diploma you major in
- World Issues: A Singapore Perspective[^]

YEAR 3

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

[^] Critical Core 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. NP aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students.

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
Additional Mathematics/Mathematics	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)	

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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, log on to www.np.edu.sg/csp



"The Diploma Exposure Programme workshops allowed me to gain deeper insights into both the Biomedical Science and Pharmaceutical Science diplomas. From learning how to subculture trypsinized adherent cells to making different ointments and creams, these hands-on experiences helped me discover and appreciate the uniqueness of each course."

Elys Wong
Currently a first-year Biomedical Science student



Get latest updates on course



N59

Diploma in Biomedical Science

- An established biomedical science programme that prepares you for **further studies and careers** in medicine, biomedical research, allied healthcare, data analytics, medical technology, and biotechnology
- Specialise in one of **three unique tracks** to enhance your career prospects: Medical Bioscience, Clinical Laboratory Science, or the Integrated Clinical Training Programme
- Work on real-world capstone projects at leading institutes such as the **National Cancer Centre Singapore** or embark on the one-year training at **Singapore General Hospital**, learning directly from leading healthcare professionals

WHAT THE COURSE IS ABOUT

Curious about how the human body works? Dream of making groundbreaking discoveries in medical science? The Diploma in Biomedical Science (BMS) offers a comprehensive and dynamic curriculum that builds both theoretical knowledge and practical laboratory skills.

Through hands-on training, industry-relevant projects, and real-world internships, you'll get a head start when you enter the workforce as a competent biomedical science professional.

Whether your passion lies in healthcare, biomedical research, biotechnology, or medical technology, our programme opens doors to a wide range of exciting career pathways.

What's more, the curriculum lays a strong academic foundation for further studies in fields such as

medicine, dentistry, chemistry, life sciences, biological sciences, and more – both locally and overseas.

Building a Strong Foundation

With BMS, you will establish a solid foundation across multiple disciplines critical to the understanding of human health and disease. You will gain in-depth knowledge of cell and molecular biology, human anatomy and physiology, and biochemical processes within living organisms including disease mechanisms, as well as immune system responses. You will also be trained in essential laboratory techniques, research methodologies, and data analytical skills.

Additionally, you will gain cutting-edge skills in programming and artificial intelligence – key areas of growth in biotechnology, medical technology, and healthcare.

1 Diploma, 3 Specialised Tracks

In your second year, you can choose one of three unique tracks to deepen your skills and knowledge in a specialised area:

Medical Bioscience

Interested in biotechnology, which involves harnessing biological processes and organisms to create therapeutic products? Keen on developing MedTech products that detect, monitor or treat disease?

You will learn how to:

- Identify disease-related biological targets including proteins, genes, antibodies, and cells
- Produce biotherapeutics such as antibodies, hormones, vaccines, and cell-based therapies
- Develop functional foods designed to manage health conditions
- Develop tools for early disease detection and diagnosis

Clinical Laboratory Science

Discover how diagnostic testing guides doctors in diagnosing and treating disease, plus gain hands-on skills that prepare you for roles in hospital and research labs.

You will learn how to:

- Analyse glucose, electrolytes, and hormones to uncover hidden health issues
- Interpret blood-clotting tests to diagnose real-world conditions
- Work with clinical data to make decisions the way healthcare professionals do

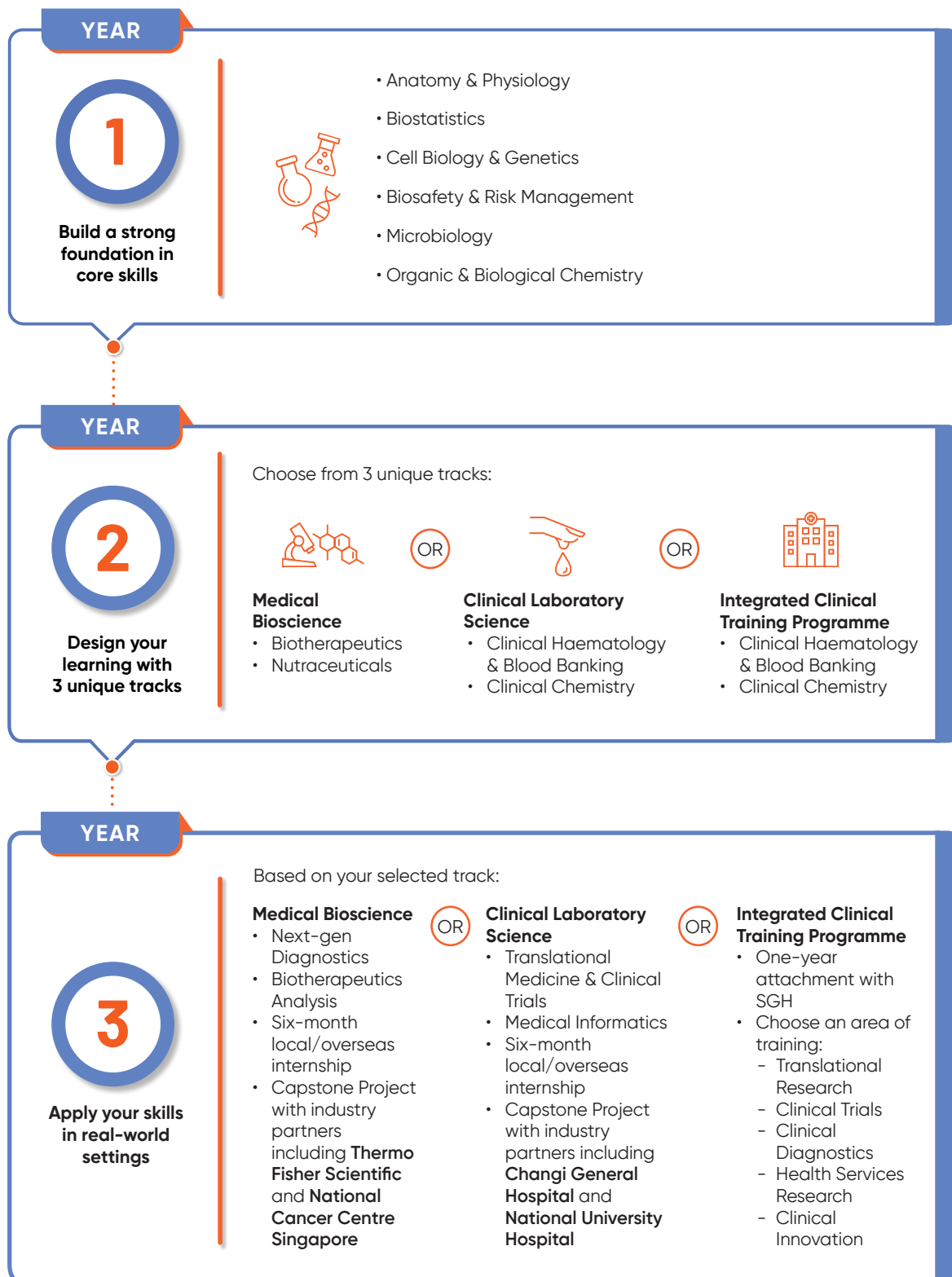
Integrated Clinical Training Programme

In your final year, you will spend one year at the Singapore General Hospital (SGH) working alongside doctors and researchers to conduct research that seeks to solve real-world medical challenges.

You can choose to focus on one of the following areas:

- Translational research
- Clinical trials
- Clinical diagnostics
- Health services research (Data analytics)
- Clinical innovation (Prototyping medical devices)

OVERVIEW OF YOUR BMS JOURNEY



FURTHER STUDIES

More than 80% of our graduates go on to National University of Singapore, Nanyang Technological University, Singapore Management University, Singapore Institute of Technology and Singapore University of Social Sciences every year.

With your foundation in BMS, you will be well-prepared to pursue degrees in various fields including Medicine, Dentistry, Life Science, Pharmaceutical Science, and more. You may also be granted module exemptions and up to two years of advanced standing to fast-track your degree and reduce study time at the following overseas universities:

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

Class of 2023

Pursuing a degree in Data Science & Analytics at NUS



Xavier Ong

Class of 2023

Pursuing a degree in Medicine at NTU's Lee Kong Chian School of Medicine



Cheng Mei Lin

Class of 2024

Pursuing a degree in Dentistry at NUS



ASPIRING DOCTOR

"The Integrated Clinical Training Programme has provided me with many opportunities to learn from healthcare professionals. These invaluable experiences have helped me solidify my decision to pursue a career in medicine and make a meaningful impact in the healthcare industry."

Don Koo

Final-year BMS student pursuing the Integrated Clinical Training Programme

CAREER

With your versatile BMS diploma, you will have a wide range of career options:

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



Dr Lai Kah Ho

Class of 2012

Family Physician at AE Medical Clinic



Dr Amy Chia

Class of 2013

Dental Surgeon at Royce Dental Group



Kimberley Leow

Class of 2013

Senior Podiatrist at Sengkang General Hospital

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
Additional Mathematics/Mathematics	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)	

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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 Biomedical Science, log on to www.np.edu.sg/bms



ROBOTICS CHAMP

BMS graduate **Lee Wei Jun** (first from right) and his team clinched the National Champions trophy in the World Robot Olympiad (WRO) International 2024 Future Innovators (Senior) category, and represented Singapore at the WRO International Finals in Turkey. Passionate about robotics and innovation, the team showcased their abilities in applying scientific knowledge to tackle a real-world challenge.



Get latest updates on course



N73

Diploma in Pharmaceutical Science

- Unique curriculum integrates clinical pharmacy and pharmaceutical science applications to give you an edge in **future careers and degrees in medicine, pharmacy, dentistry, life sciences and allied healthcare**
- 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
- Apply for **Pharmacy Technician Sponsorships** offered by various healthcare institutions

WHAT THE COURSE IS ABOUT

Discover the exciting world of clinical pharmacy and drug discovery & development with the Diploma in Pharmaceutical Science (PHARM). With Singapore's status as a leading hub for healthcare and pharmaceutical manufacturing & research, explore bright career prospects in these cutting-edge fields!

Build Your Knowledge

Build a solid foundation in biological, chemical and pharmaceutical sciences. Dive into topics such as:

- Human anatomy & physiology
- Human diseases & treatments
- Clinical skills in pharmacy practice
- Drug discovery & design
- Biotechnological applications in pharmaceutical science

In addition, you will learn essential lab techniques for formulating and analysing pharmaceutical products, as well as best practices in the industry.

Get Future-ready

Prepare for the fast-evolving pharmaceutical world by learning new technologies such as 3D printing, prototyping skills, health informatics, automation, and AI in pharmacy.

PHARM will keep you up-to-date on emerging trends in pharmaceuticals and life sciences. Its focus on biotechnologies used in discovering pharmaceutical drugs and biologics will diversify your skills and expand your career options.

Hands-on Experience

Learn on-site at community and hospital pharmacies such as NHG Health Pharmacy and Singapore General Hospital, or with global pharmaceutical companies like Lonza and Alcon. Over six months, apply your knowledge in real-world settings and develop valuable professional experience and networks!

Enriching Electives

You can take electives to enhance your skills and career prospects. Choose **Complementary Medicine & Traditional Chinese Medicine** to evaluate alternative therapies and traditional Chinese medicines, or **Nutrition & Dietetic Science** to explore the impact of nutrients, supplements, and weight management on health.



DYNAMIC INTERNSHIP EXPERIENCE

"My internship at KK Women's and Children's Hospital (KKH) gave me the opportunity to apply what I learnt in class. I gained first-hand insights into how a hospital pharmacy operates, and sharpened my interpersonal skills as I collaborated with pharmacists and healthcare professionals. The experience contributed to my personal growth and I am now more confident about entering the healthcare industry."

Gwyneth Lim
Final-year PHARM student

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[^]
- Confident Communication: Find Your Voice (VOICE)[^]
- English Language Express^{^*}

YEAR 2

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

YEAR 3

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



[^] Critical Core 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. NP aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students.

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 (NUS), as well as other professional degrees such as Medicine & Dentistry.

Besides, you can venture into the fields of life sciences, biological science and allied health (such as dietetics & nutrition, physiotherapy, occupational therapy, and diagnostic radiography) at NUS, Nanyang Technological University and Singapore Institute of Technology.

You can also pursue other degrees in areas like the arts, architecture, business, education, psychology, and social sciences offered by 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



Claudia Heng

Class of 2022

Pursuing Medicine at the NUS Yong Loo Lin School of Medicine



Tan Swee En

Class of 2025

Pursuing a degree in Pharmacy at NUS

CAREER

Your PHARM diploma will open doors to many careers, including:

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



Vernice Vee

Class of 2020

Pharmacist at Singapore General Hospital

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
Additional Mathematics/Mathematics	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)	

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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 Pharmaceutical Science, log on to

www.np.edu.sg/pharm



Get latest updates on course



N57

Diploma in Landscape Design & Horticulture

- › **One-of-a-kind diploma** that combines training in landscape design, plant science and horticulture
- › Immersive learning at **outdoor settings** such as Singapore Botanic Gardens, Clementi Woods Park, Gardens by the Bay, and nature reserves
- › **Learn 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 environmental science and landscape architecture

WHAT THE COURSE IS ABOUT

Want to be the creative drive behind Singapore's garden city or help build a sustainable and green future? If you love nature and have 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 in Clementi Woods Park, Singapore Botanic Gardens, and other national parks and gardens.

Hands-on Learning

You will develop skills in landscape design, urban ecology, conservation, and plant taxonomy. As you progress, you will study plant physiology, breeding, arboriculture, urban horticulture technology, and softscape design.

At our smart greenhouse facility, you will learn about urban agriculture and optimising crop growth using real-time data from smart sensors. Enjoy experiential learning outside of the classroom? You'll get to be involved in tree planting or the removal of invasive plant species at Pulau Ubin and nature reserves around Singapore.

Real-world Application

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 create prototypes of hydroponics and aquaponics systems, and investigate growth parameters for edible crops!

Industry-relevant Training

Our curriculum, jointly developed with industry partners such as National Parks Board, Camphora Pte. Ltd, Gardens by the Bay, and Changi Airport Group, lets you tap into the expertise of companies

that specialise in diverse areas ranging from smart landscaping technology, sustainable water management, and biodiversity impact assessments.

Graduates aiming to become certified arborists will receive exemptions for selected exam pre-requisites in the International Society of Arboriculture Certified Arborist Preparatory Programme.

Deepen Your Skills

In your final year, you can choose to work on a capstone project - in Plant Science & Horticulture or Landscape Design - in collaboration with industry partners.

You can even deepen your learning by interning 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!



AWARD WINNING LANDSCAPE DESIGN

A team of four LDH students, **Sherilyn Tan**, **Gezelle Lim**, **Foo Jing Shen**, and **Sim Siling** (left to right), participated in the Singapore Landscape Architect Challenge 2025 by NUS. The team received the Best Site Analysis Award for their design that transformed the natural contours of a project site into a community space with an edible garden and cascading greenery.

OVERVIEW OF YOUR LDH JOURNEY

3 focus areas



Landscape Design



Horticulture Management



Plant Science

What will you learn?



Softscape Design



Landscape Design Communication



Urban Landscape Management



Urban Agri-Technology



Plant Anatomy & Morphology



Plant Physiology & Breeding

How will you learn?



Work on projects such as designing landscape experiences



Internships



Experiential off-campus learning at parks and nature reserves

Choose a Capstone Project in Year 3



Landscape Studio



Plant Science & Horticulture

Job prospects

- Horticulturist
- Research Officer
- Urban Farmer
- Landscaper
- Landscape Designer
- Landscape Architect

Partnerships



WHAT YOU WILL LEARN

YEAR 1

- Chemistry
- Computer-Aided Design Application
- 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^
- Confident Communication: Find Your Voice (VOICE)^
- 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

- Landscape Project Management
- Leisure & Park Management
- Urban Agri-Technology
- Capstone Project: Landscape Studio OR Plant Science & Horticulture
- Six-month Internship (Local/Overseas)
- Project ID: Connecting the Dots^



^ Critical Core 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. NP aims to develop students to be agile and self-directed learners, ready for the future workplace.

^^ For selected students.

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 a diverse selection of programmes at local universities, such as degrees in Landscape Architecture and Architecture at the National University of Singapore, or Environmental Earth Systems Science at Nanyang Technological University.

Alternatively, explore your passion and pursue degrees in other fields, including business, science and 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. You can also stay updated on industry practices through programmes by the National Parks Board and the Singapore Institute of Landscape Architects.



Emelia Quek
Class of 2022

Pursuing a Bachelor's degree in Environmental Earth Systems Science at NTU



Faatimah Haleemah
Class of 2015

Director, Horticulturist and Arborist at Universal Landscape & Construction Pte Ltd

CAREER

Put your green thumbs to work at the two integrated resorts, three waterfront gardens at Marina Bay, country clubs, parks and gardens, landscape design companies, hotels and property developments across Singapore. The LDH course will open doors to exciting careers such as:

- 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

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
Additional Mathematics/Mathematics	1-7
Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type	1-6

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-D Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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 Landscape Design & Horticulture, log on to www.np.edu.sg/ldh



Get latest
updates on
course



N56

Diploma in Chemical & Biomolecular Engineering

- Step into **dynamic careers in industries driving the future** – from biopharmaceuticals and petrochemicals to semiconductors, energy, and sustainability
- **Experience immersive learning** with our modular pilot plant, where you take control of system operations, complemented by simulation tools and digital twin technology
- Gain real-world learning experience through **internships, industry mentorships** and **capstone projects** with MNCs such as GSK, Lonza, Pfizer, ExxonMobil, Shell, Merck, Air Liquide, and Siemens

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) prepares you for careers in diverse industries, including energy, chemical, biopharmaceuticals, biotechnology, environment, semiconductors, and manufacturing.

Strong Broad-based Foundation

CBE covers essential concepts in chemical engineering through modules such as Chemical & Biomolecular Engineering Principles, Inorganic & Physical Chemistry, Organic & Biological Chemistry, and Thermodynamics.

You'll explore the application of scientific concepts in operating engineering systems and equipment. This includes 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 enhances critical thinking and problem-solving skills that are crucial for future chemical and biomolecular engineers. Sustainability concepts are integrated into the curriculum, equipping you to develop solutions for real-world challenges. You will also gain skills in data analytics, simulation software, and process optimisation through hands-on experiences with automated pilot plants and simulated refineries. These skills will prepare you for careers in the dynamic biopharmaceutical and semiconductor manufacturing industries.

Customise Your Learning

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

- **Sustainable Energy & Chemistry:** This track focuses on skills in chemical engineering and environmental management. Your capstone project – supervised by industry professionals – will give you insights into sustainable energy production and green chemistry.
- **Biopharmaceutical:** Explore modules that delve into biopharmaceutical processes such as cell culture and the purification of biological products. Gain expertise in biopharmaceutical manufacturing, process optimisation, and quality control to prepare you for careers with global biopharmaceutical manufacturing companies.

Industry-relevant Training

Benefit from our strong industry connections with modules that are co-developed and co-delivered with leading partners such as Air Liquide. Learn from experts through lab work, projects and internships, and stay updated on sustainable industry practices, process design, and biopharmaceutical analysis.

You can also gain hands-on learning through experiences co-developed and co-delivered with our industry experts from Merck. Visit M Lab™ Collaboration Center, where you will learn directly from Merck professionals and gain access to cutting-edge facilities and real-world insights into biopharmaceutical manufacturing.

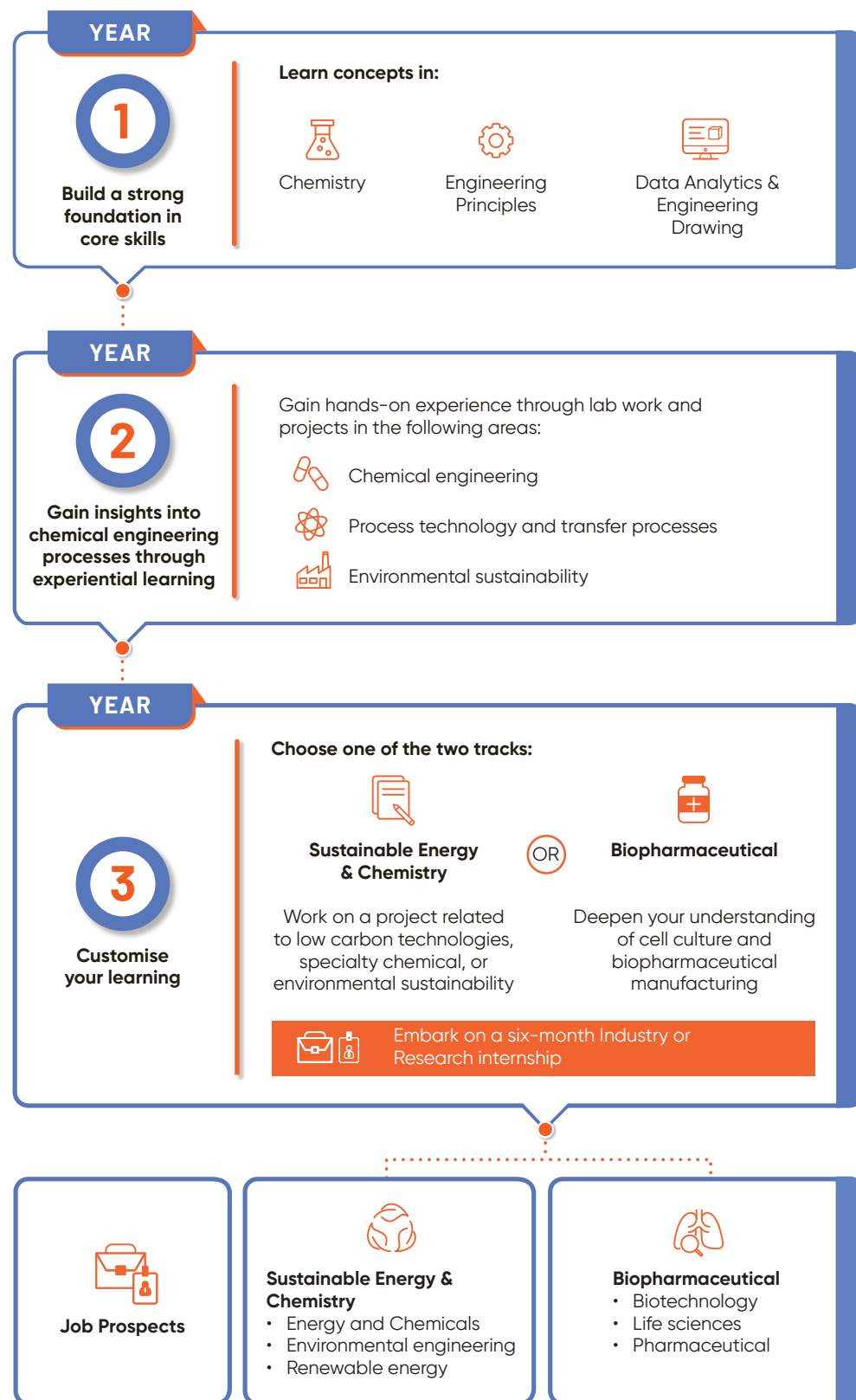
In your final year, apply your skills by choosing either of these options:

- **Industry Internship:** Work with companies such as Air Liquide, Merck, ExxonMobil, Evonik, GSK, Pfizer, Lonza and Siemens.
- **Research Internship:** Conduct research at local facilities such as A*STAR, or an overseas research institution.

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[^]
- Confident Communication: Find Your Voice (VOICE)[^]
- 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 two tracks: Sustainable Energy & Chemistry

- Capstone Project

Biopharmaceutical

- Biopharmaceutical Analysis
- Biopharmaceutical Manufacturing

[^] Critical Core 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. NP aims to develop students to be agile and self-directed learners, ready for the future workplace.

^{^*} For selected students.

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 degrees offered by local universities. These include degree courses in chemical and biomolecular engineering, chemical engineering, environmental engineering, material sciences, physics, chemistry and biological sciences at National University of Singapore, Nanyang Technological University, and Singapore Institute of Technology.

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



Jovin Han
Class of 2024

Pursuing a degree in Chemistry and Biological Chemistry with a second major in Food Science at NTU

CAREER

The CBE course provides you with a strong foundation and the flexibility to enter a wide range of industries, including:

- Chemical and Petrochemical
- Biochemical and Biotechnology
- Biomedical and Pharmaceutical
- Food & Beverage
- Electronics
- Environment, Health & Safety

You can look forward to rewarding career options such as:

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



Rey Chow
Class of 2010

Lead Production Specialist at Aster Chemicals & Energy Pte. Ltd.



Khairul Syahmi
Class of 2015

Senior 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
Additional Mathematics/Mathematics	1-6
Any one of the 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)	

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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 Chemical & Biomolecular Engineering, log on to www.np.edu.sg/cbe



Get latest updates on course



N74

Diploma in

Environmental Science & Sustainability*

Renamed

- Pursue green careers in water & environmental sustainability and join the growing community of changemakers supporting the Singapore Green Plan 2030 and Zero Waste Masterplan
- An established course co-developed with PUB, Singapore's National Water Agency, and supported by NP's award-winning Centre for Environmental Sustainability
- Attractive scholarships such as bond-free PUB Diploma Scholarship, NEA-Industry Scholarship and the Singapore Sustainability Scholarship

*Formerly known as Diploma in Environmental & Water Technology

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 Science & Sustainability (ESS) to lead in developing sustainable environmental solutions!

Strong Sustainability Focus

ESS provides a robust foundation in environmental science and engineering, covering:

- Sustainable water management
- Resource management and circularity
- Environmental sustainability
- Environmental management and pollution control

This strong foundation prepares you for further studies and career opportunities in the growing sustainability sector.

You can score a bond-free PUB scholarship, which includes an internship placement, and a chance to vie for the prestigious Singapore Sustainability Scholarship. Alternatively, the NEA-Industry Scholarship offers a \$15,000 annual study award and employment with the corporate sponsor.

Industry-relevant Training

Gain practical skills through field trips and learning journeys to Bishan-Ang Mo Kio Park, NEWater treatment plant and Sustainable Singapore Gallery.

In your final year, enhance your skills through a capstone project addressing real-world problems and a six-month internship with organisations such as PUB, Sembcorp, Xylem Water Solutions, and Marchwood Laboratory Services. Additional opportunities include working with NP's Centre for Environmental Sustainability (CfES) on green solutions, cutting-edge innovations in energy efficiency, waste valorisation, and circular economy solutions.

Equipped for the Digital Future

Explore technologies such as Internet of Things (IoT), artificial intelligence, and machine learning, and their applications in environmental processes. Engage in environmental analytics and learn to deploy IoT.

You will apply your knowledge in multidisciplinary projects and hands-on activities, including operating drones for environmental monitoring.

Competitions and Professional Certifications

Enhance your portfolio by participating in competitions such as the WorldSkills Competition, PUB Splash Lab Competition, Xylem Global Student Innovation Challenge and Sembcorp Greenwave Competition. The course also offers opportunities to earn additional skills certifications – bizSAFE Level 2, and noise monitoring and noise control certificates – for you to gain an edge in the competitive job market, especially with employers focusing on workplace safety and environmental management.

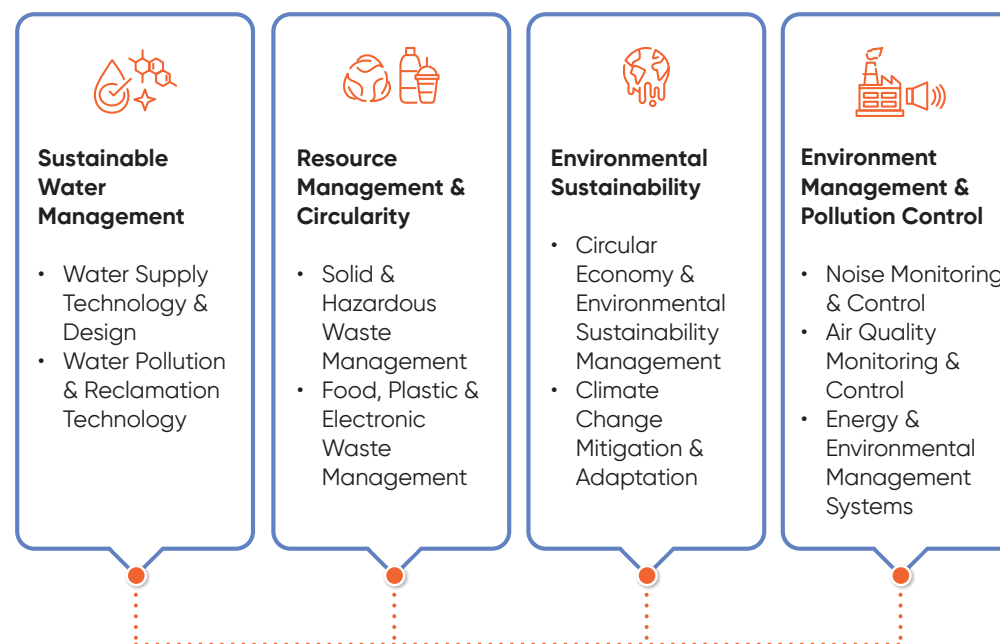


CIRCULAR ECONOMY INSIGHTS

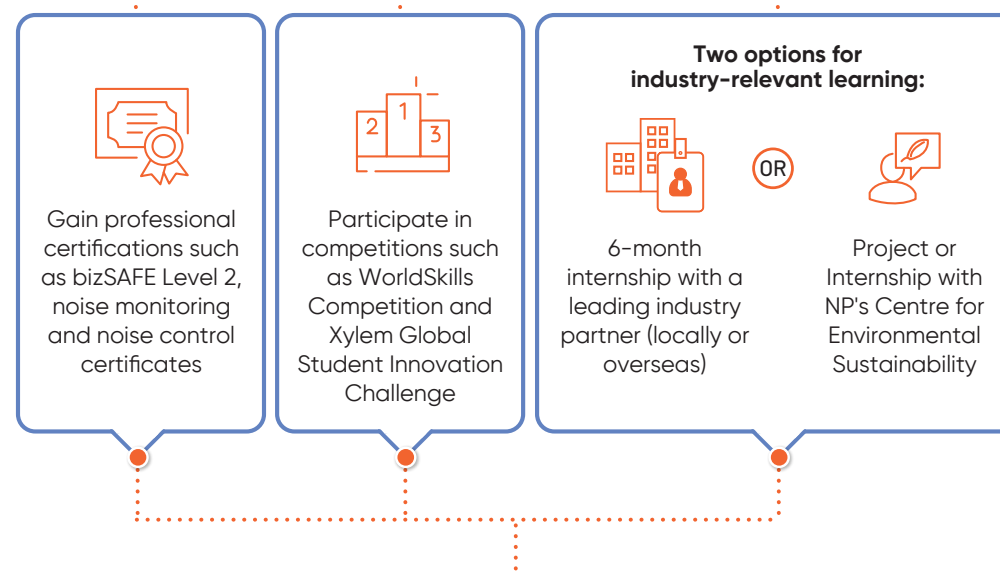
Students can look forward to exciting learning journeys as part of their enrichment. Under the Circular Economy & Environmental Sustainability Management module, students paid a visit to Hay Dairies and gained insights on how the farm supports Singapore's circular economy through its energy efficient facilities and manure composting.

OVERVIEW OF YOUR ESS JOURNEY

What will you learn?



How will you learn?



Job prospects

- Assistant Engineer
- Assistant Process Engineer
- Lab Analyst
- Research Engineer
- Water Treatment Specialist
- Sustainability Officer

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^
- Confident Communication: Find Your Voice (VOICE)^
- 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

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



^ Critical Core 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. NP aims to develop students to be agile and self-directed learners, ready for the future workplace.

^^ For selected students.

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 various degree programmes at local universities, such as civil engineering, environmental engineering, environmental science, material science, architecture, and chemistry at National University of Singapore, Nanyang Technological University, and Singapore Institute of Technology.

Graduates may even gain final-year entry to the Bachelor of Science in Environmental Management and Sustainability, Environmental Science or Chemistry at the University of Plymouth, UK.

You may also receive module exemptions for related degrees 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 Class of 2023

Pursuing a degree in Environmental Engineering at NUS under the Public Service Commission Scholarship

CAREER

You will be prepared for careers in multinational corporations, government agencies, university labs, and research institutes, such as:

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

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



Ho Jia Le Class of 2017

Currently an engineer at PUB, Jia Le was also a recipient of the Singapore Sustainability Scholarship



Megan Choo Class of 2022

After completing a degree in Environmental Management and Sustainability at the University of Plymouth, UK, Megan is currently a business development executive at Circular Unite

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
Additional Mathematics/Mathematics	1-6
Any one of the 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)	

Applicants must also fulfil the aggregate computation requirements for the ELR2B2-C Aggregate Type (English Language, 2 relevant subjects and 2 other best subjects) 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 Environmental Science & Sustainability, log on to www.np.edu.sg/ess

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 was instrumental in guiding 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.



NUS SCHOLAR IN CHEMICAL ENGINEERING

"During my internship, I applied fundamental process engineering concepts to large-scale process operations at Keppel's Marina East Desalination Plant. I further extended my learning through an in-house research internship at Keppel's material science research lab. With its emphasis on individual excellence and group-based project management skills, CBE has equipped me with practical and transferable skills and knowledge."

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.



ASPIRING PHARMACIST

"My years at NP gave me a solid foundation in pharmaceutical knowledge and allowed me to explore the pharmacy profession in different settings. I am grateful to my lecturers for their guidance, which helped me to secure MOHH's Healthcare Merit Award and pursue my dream course in NUS. In the future, I plan to participate 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 currently a pharmacist at the National University Hospital.

*Renamed the Diploma in Pharmaceutical Science



PSC SCHOLAR FOR ENVIRONMENTAL ENGINEERING

"My internship at PUB was incredibly fulfilling. I had the opportunity to work with sustainability experts in the research and development team and was involved in a pilot project to maintain the quality of NEWater. Thanks to the industry exposure provided by my course, I feel more confident in my career path in environmental engineering! I am excited to contribute to designing solutions for a greener future."

TEO CHUN YI

Environmental & Water Technology* graduate, Class of 2023

Chun Yi was 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.

*Renamed the Diploma in Environmental Science & Sustainability



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, and manages plans to safeguard Singapore's biodiversity.



SUSTAINABILITY SCHOLAR IN CIVIL ENGINEERING

"My learning journey at NP was amazing. I am grateful for the opportunity to go on a Youth Expedition Project trip to the Philippines, as well as the many CCAs that I got to participate in. Even during the transition to home-based learning during the pandemic, my lecturers were always there to support me. I look forward to working on sustainable solutions for the water industry after graduation!"

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.

*Renamed the Diploma in Environmental Science & Sustainability

From Poly To Medical School

To date, 54 LSCT graduates have been accepted into local medical schools.



"I owe my achievements to many lecturers who carved out opportunities for me to grow and discover myself. Despite their busy schedules, they sacrificed their precious time to support 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 the NUS Yong Loo Lin School of Medicine.

Doctors & Trailblazers

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



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ngee ann 
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