

Courses with Medical Requirements (AY2025 Intake)

Table 1 shows the list of diploma courses with medical requirements.

Notes: X denotes not eligible for the course.

^ denotes not applicable to Polytechnic Foundation Programme (PFP)

Table 1

Diploma Courses	Medical Conditions	Colour Vision Deficiency	Hearing Disability	Severe Vision Deficiency
Aerospace Engineering (N65) Biomedical Engineering (N60) Common Engineering Programme (N71) Common ICT Programme (N98) Common Media Programme (N14) Electrical Engineering (N43) Electronic & Computer Engineering (N44) Engineering Science (N93) Immersive Media (N55) Mechatronics & Robotics (N50) Media Post-Production (N13)		X	X	X
Cybersecurity & Digital Forensics (N94) Data Science (N81) Design (N12) Information Technology (N54)				X
Film, Sound & Video (N82) Hotel & Leisure Facilities Management (N40) Mechanical Engineering (N41) Offshore & Sustainable Engineering (N42) Optometry (N83)			X	X
Common Science Programme (N15) Pharmaceutical Science (N73)	X			

Table 2 shows the list of medical conditions that may lead to non-acceptance into the following diploma courses.

- Early Childhood Development & Education (N96)
- Nursing (N69)
- Tamil Studies with Early Education (N95) ^

Table 2

Acquired Immune Deficiency Syndrome (AIDS)	Physical Dependence Upon Mobility Equipment	Uncontrolled Diabetes
Active Tuberculosis	Profound Deafness	Uncontrolled Epilepsy
Legal Blindness	Psychiatric Condition	Uncontrolled Hypertension
Mobility Restricted	Uncontrolled Asthma	

SCHOOL OF

BUSINESS & ACCOUNTANCY

- ▶ Common Business Programme
- ▶ Accountancy
- ▶ Banking & Finance
- ▶ Business Studies
- ▶ International Trade & Business
- ▶ Tourism & Resort Management





ba

YOUR FIRST BUSINESS CHOICE

At Ngee Ann's School of Business & Accountancy (BA), where some of the most sought-after business courses are housed, you will graduate with a reputable business diploma – the gateway to a promising future! Whether you're pursuing further studies or work, or aspiring to become your own boss, your BA diploma will give you a head start.

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- 5** Common Business Programme (N97)
- 8** Accountancy (N51)
- 13** Banking & Finance (N53)
- 18** Business Studies (N45)
- 24** International Trade & Business (N85)
- 29** Tourism & Resort Management (N72)

5 SOUGHT-AFTER DIPLOMAS

+ 1 COMMON BUSINESS PROGRAMME

Common Business Programme (N97)

Keen to pursue a business course but unsure which specialisation to choose? Designed for you to explore various business disciplines, BA's signature Common Business Programme (CBP) will help you discover your passion and strengths. Gain essential business knowledge and skills through interactive learning activities, simulation games and industry talks. At the end of your first year, you can make informed choices on your diploma course and chart your path to success with BA!

Accountancy (N51)

Train to be a forward-looking corporate financial leader, assurance consultant or business advisor, grounded with a full suite of digital skills and exposure to relevant sustainability knowledge. Empower your learning by choosing from our multiple pathways, such as the one-year JobReady Programme and Business Digitalisation Track.

Banking & Finance (N53)

Gain insightful work experience at leading banks, financial institutions and FinTech companies such as DBS, OCBC, UOB, Monetary Authority of Singapore, Singapore Exchange Limited, Ascott Limited, BNY Mellon, Capitaland Investment, CGS-CIMB, GIC, HSBC, Julius Baer & Co. Ltd, and SeaMoney. Learn how banks operate and acquire knowledge of environmental, social and governance (ESG) practices in the sector and be equipped to drive sustainable finance initiatives.

Business Studies (N45)

Develop your business acumen through real-world learning and pick one of these specialisations: Business Sustainability & Digitalisation, Entrepreneurship, Human Capital Management or Marketing. Future-proof yourself through the Business Digitalisation Track, or get real-world exposure through a six-month local/overseas internship or the one-year JobReady Programme.

International Trade & Business (N85)

Build a strong foundation in business, supply chain functions, logistics and trade operations to ride the accelerating wave of global e-commerce. Choose either a six-month local or overseas internship, or the one-year JobReady Programme to deepen your industry exposure.

Tourism & Resort Management (N72)

A versatile course that prepares you for diverse sectors such as events, leisure and lifestyle, hospitality and travel. Customise your own learning pathway by choosing the Business Digitalisation Track, the one-year JobReady Programme or the Tourism Startup Internship Project where you can conceptualise your own tourism-related business, or work with industry partners on an intrapreneurial or entrepreneurial project!

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

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-B

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

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

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

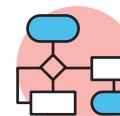
For students with other qualifications, please refer to the NP website for the entry requirements and admissions exercise period.

WHY CHOOSE BA



XTRA SPACE TO EXPLORE

All freshmen will undergo BA's signature Common Business Programme in the first year. There will be no exams as assessments for all modules will be continuous and hands-on. This will give you more space to explore what you like to do. Plus, project-based and experiential learning in modules like Makings of a Business and Kickstart a Business will give you an industry-real experience of the business world!



DESIGN YOUR OWN LEARNING

At BA, you are free to customise your own learning by choosing from a variety of specialisations and pathways that will prepare you to seize opportunities in emerging areas and for in-demand roles in the field of business. For example, in your final year, you can opt for the one-year JobReady Programme to deepen skills, the Business Digitalisation Track to hone digital competencies, or a local/overseas internship for industry exposure.



MODULE EXEMPTIONS & ACCREDITATIONS

Complete your degree or professional examinations ahead of others! Enjoy module exemptions for your degree pursuit at reputable universities, as well as accreditations with professional bodies such as the Association of Chartered Certified Accountants (ACCA), Chartered Institute of Management Accountants (CIMA), Institute of Chartered Accountants in England and Wales (ICAEW), Institute of Banking & Finance (IBF), Capital Markets and Financial Advisory Services (CMFAS), Institute for Human Resource Professionals (IHRP) and Financial Planning Association of Singapore (FPAS).



RICH INDUSTRY EXPOSURE

With our extensive industry network, you will gain wide and varied internship experiences across different sectors. From multinational corporations, start-ups to local companies, you can have a taste of different workplace cultures.

**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



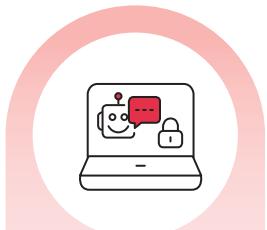
Global Readiness Pathway

- 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

N97

Common Business Programme

Get latest updates on course



- Exciting industry-driven modules to equip you with **strong fundamental business knowledge and skills**
- Get more time to explore your options and discover your interests in the first year before making an informed course choice
- **No exams!** Get exposed to a wide range of industry projects, real-world business cases and simulation games
- Gateway to one of 5 sought-after business diplomas: Accountancy, Banking & Finance, Business Studies, International Trade & Business or Tourism & Resort Management

WHAT THE COURSE IS ABOUT

Interested in pursuing business but unsure of which course to choose? Then our signature Common Business Programme (CBP) will be the best deal for you!

Through a series of curated foundation modules, insightful talks by industry experts, and interactive learning packages, you will develop strong business fundamentals and discover exciting career possibilities in the world of business. All of these will help you make an informed decision on which business diploma suits you best.

Learning Through Play

Look forward to ‘running’ your own business and understanding how different business functions work together through an online business simulation game in the Makings of a Business module. Learn how to make data-driven decisions to address the day-to-day operations of a business, and hone your problem-solving capabilities at the same time – an essential skill that will help you thrive in today’s fast-paced and dynamic business landscape.

In the Kickstart a Business module, you will get to put yourself in the shoes of an entrepreneur. By applying the Lean methodology – actively used in the business world today – you will develop attractive products or services, and learn how to assess the viability of your business idea.

Gateway to our Business Diplomas

At the end of this foundation year, you will get to make informed course choices among our five popular business diplomas to pursue your aspirations:

- Accountancy
- Banking & Finance
- Business Studies
- International Trade & Business
- Tourism & Resort Management

All freshmen in BA share a common curriculum in the first year.

WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{**}

YEAR 2 & 3

Based on your interests, preference and performance, you will pursue one of the following business diplomas. You can refer to the relevant sections for the modules in Year 2 and 3:

- Accountancy (see page 8)
- Banking & Finance (see page 13)
- Business Studies (see page 18)
- International Trade & Business (see page 24)
- Tourism & Resort Management (see page 29)

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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.

YEAR

1



Common Business Programme

YEAR

2

&

3



Accountancy



Banking & Finance



Business Studies



International Trade & Business



Tourism & Resort Management

FURTHER STUDIES

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

CAREER

Refer to the Career section on the respective diploma pages.

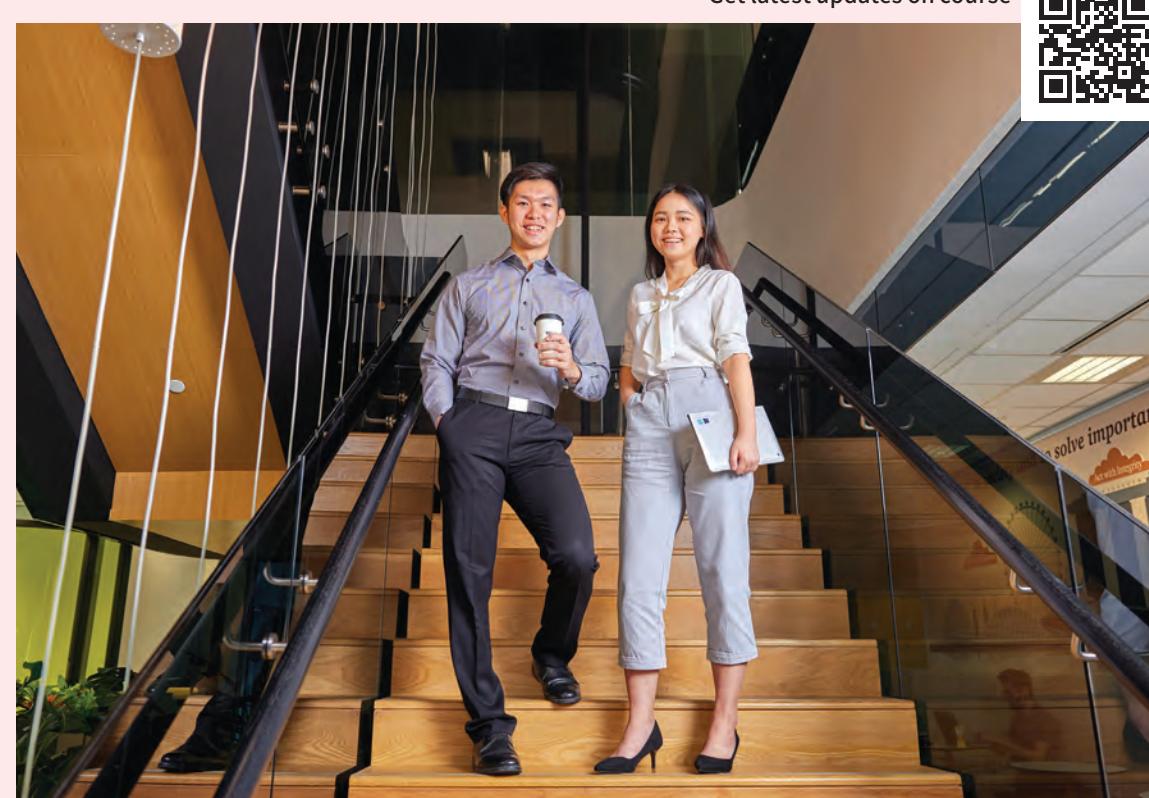
ENTRY REQUIREMENTS

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

For the most up-to-date information on NP's Common Business Programme, log on to www.np.edu.sg/cbp

DIPLOMA IN
Accountancy



- Our curated “Professional Journey” equips you with **confidence and competencies** for various functions in the industry including corporate finance, assurance and business partnership
- Train to be a **forward-looking accounting professional**, grounded with a full suite of digital skills and exposure to relevant sustainability knowledge
- Empower your learning by choosing from our **multiple pathways** such as a one-year JobReady Programme and Business Digitalisation Track
- Enjoy **accreditation and module exemptions** from many universities and professional bodies

WHAT THE COURSE IS ABOUT

Beyond bookkeeping and budgeting, accounting weaves business data together into actionable insights. In today's rapidly changing business environment, financial experts play a key role in evaluating business risks, performing strategic analyses and identifying opportunities. If such challenges excite you, then our Diploma in Accountancy (ACC) will be your perfect choice!

ACC will give you a solid grounding in domain knowledge and transferable skills for diverse career options. Integrated with training in digital skills and the study of sustainability concepts, this course will enable you to become a future-ready accounting professional!

Curated Professional Journey

Look forward to a curated professional learning journey that delivers balanced training with academic rigour and industry relevance. With the curriculum designed around the roles of a corporate financial leader, an assurance consultant and a business advisor, you will acquire the competencies and experience to help organisations report and analyse financial performance, assess risks, strengthen internal controls and identify growth opportunities.

Future-ready Skills

ACC will equip you with data analytics skills, as well as cloud accounting and robotic process automation (RPA) know-how, so you can thrive in the fast-paced digital economy. You will get the opportunity to apply your domain knowledge and digital skills to solve industry challenges through integrated projects. With corporate sustainability becoming a priority at the workplace, ACC will also impart the skills to develop and measure the outcomes of sustainable practices for businesses.

Industry-relevant Learning

In your final year, you will gain career exposure through internship opportunities at one of the Big Four international accounting firms and renowned organisations such as Deloitte, EY, GIC, KPMG, PwC, Robert Bosch and RSM. How about choosing our JobReady Programme to build your knowledge, network and portfolio over one year? Or opt for the Business Digitalisation Track to deepen your digital skills in emerging areas areas, such as artificial intelligence and digital marketing, through two internship stints.

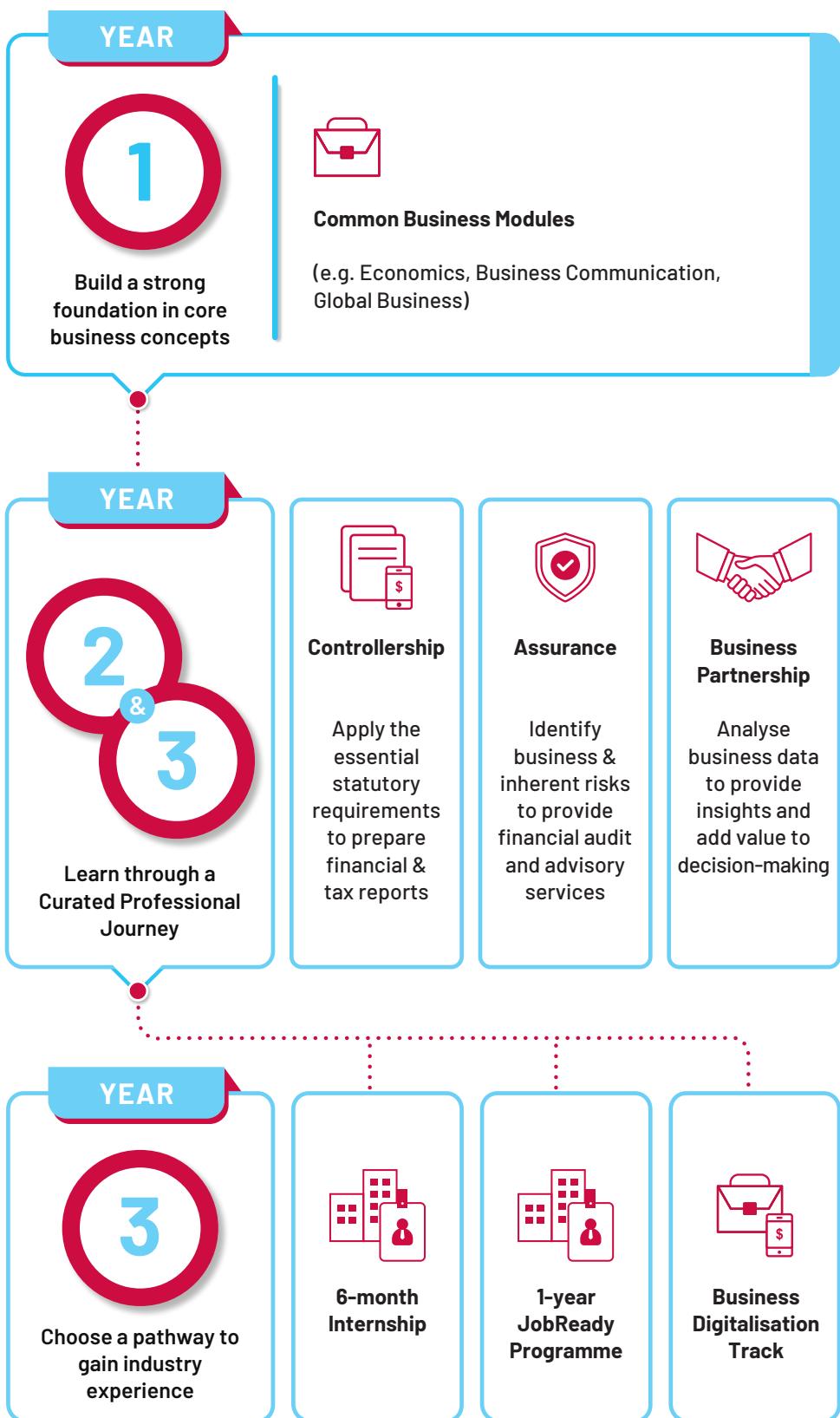
Recognised and accredited

As an ACC graduate, you will enjoy accreditation and module exemptions from many universities and professional bodies such as ACCA, CIMA and ICAEW. You can look forward to completing your degree or professional examinations ahead of your peers.

Partnerships



OVERVIEW OF YOUR ACC JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{^*}

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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.

YEAR 2

- Assurance, Risk & Forensic Accounting
- Business Communication 2
- Company Law & Secretarial Practice
- Corporate Reporting
- Digitalisation & Data Analytics 1 & 2
- Financial Accounting
- Singapore Taxation
- World Issues: A Singapore Perspective[^]

YEAR 3

- Advanced Corporate Reporting & Sustainability
- Corporate Finance
- Decision-Making & Control for Business
- Ethics for the Professional Accountant
- Six-month Internship
- Project ID: Connecting the Dots[^]

Business Digitalisation Track

- Advanced Applied Business Analytics
- Artificial Intelligence & Robotics
- Digital Transformation Marketing Strategy
- Emerging Technologies & Disruptive Innovation
- 10-week and 12-week Internship
- Advanced Corporate Reporting & Sustainability
- Ethics for the Professional Accountant
- Project ID: Connecting the Dots[^]

One-Year JobReady Programme

- Industry Attachment 1 & 2
- Ethics for the Professional Accountant
- Project ID: Connecting the Dots[^]



"My six-month internship at PwC Singapore was the highlight of my time in ACC! I could apply my skills in real-world settings and learn from experienced accounting professionals, which gave me valuable insights into the profession. NP also offered numerous opportunities for global exposure. I worked on a community service project in Vietnam, attended a course trip to Batam and took part in a study mission trip to the Philippines."

GRACE LOW
Accountancy graduate, Class of 2020

A recipient of the Institute of Singapore Chartered Accountants Gold Medal & Prize, Grace is pursuing a Bachelor of Accountancy under the SMU Global Impact Scholarship.

FURTHER STUDIES

ACC is recognised by all local and many overseas universities. Many universities in Australia and the United Kingdom grant up to one year's exemption, which means you can complete your degree programme sooner. You will also enjoy module exemptions for courses and examinations offered by the Association of Chartered Certified Accountants (ACCA), the Chartered Institute of Management Accountants (CIMA), and the Institute of Chartered Accountants in England and Wales (ICAEW).

In collaboration with the Accounting and Corporate Regulatory Authority and Workforce Singapore, NP has launched an 18-month work-study programme under the SkillsFuture initiative. It offers an alternative pathway for Accountancy diploma holders to enter the profession, without having to obtain degree qualifications.

Alternative Pathway to be a Chartered Accountant of Singapore:

Chartered Accountant of Singapore

Singapore CA Qualification (Professional Programme)

Advanced Diploma in Accountancy
Singapore CA Qualification Foundation Programme

Diploma in Accountancy

GOH HUI LU
Accountancy graduate,
Class of 2016



Hui Lu embarked on the Advanced Diploma in Accountancy pathway and received the Singapore Chartered Accountant Qualification. She is now a Chartered Accountant and an audit manager at PwC Singapore.

CAREER

You can look forward to exciting and rewarding careers in roles such as:

- Business Advisor
- Business Analyst
- Environmental, Social & Governance (ESG) Auditor
- Financial Accountant
- Financial Auditor
- Forensics Accountant
- Internal Auditor
- Management Accountant
- Sustainability Data Specialist
- Tax Associate

JOSHUA NG

Accountancy graduate,
Class of 2021



A recipient of the Lee Kong Chian Scholarship, Joshua is pursuing a Bachelor of Accountancy at SMU, with a second major in Finance.

ALICIA & ANGELA LOW

Accountancy graduates,
Class of 2020



The sister duo completed the Bachelor of Accountancy at NTU, and are currently working in KPMG's Forensic Services department.

ENTRY REQUIREMENTS

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

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

DIPLOMA IN Banking & Finance

Get latest updates on course



- ▶ Gain a head start in the financial and FinTech ecosystems with a **broad-based curriculum** that equips you with a wide range of **digital skills**
- ▶ Learn how to harness technology and knowledge of sustainability concepts to address key challenges in the **green finance space**
- ▶ Choose from internship options ranging from a six-month internship in **FinTech start-ups and financial institutions** to the one-year JobReady Programme for real-world learning
- ▶ **Project-based assessments** ensure you gain industry-relevant skill sets

WHAT THE COURSE IS ABOUT

Technology, innovation and sustainability are key driving forces shaping the future of the global financial industry. Get equipped with the right skill sets to reimagine the future of banking with our Diploma in Banking & Finance (BF).

The BF course provides you with broad-based knowledge of accounting and business with specialised training in banking and finance. You will learn how banks operate and acquire knowledge of environmental, social and governance (ESG) and green finance practices in the sector and be ready to play a crucial role in driving sustainable finance initiatives.

Tech-infused Curriculum

Learn to use industry-standard financial apps and trading platforms, and acquire knowledge of emerging technologies to navigate the digital future. Gain a head start in your future career by building new capabilities in various FinTech applications, as well as other emerging technologies such as Application Programming Interface (API), Electronic Know Your Customer (e-KYC) practices and Insurtech.

Gain Deeper Industry Exposure

As the Sector Coordinator of Singapore's Accountancy & Financial Services cluster, we have established strong links with industry partners to provide you with robust learning experiences as well as industry networking and mentorship opportunities.

To strengthen your understanding of key concepts learnt in the course, you will get to participate in the Pan-Poly FinTech Hackathon and other nationwide challenges such as the CGS-CIMB Investment Challenge, and work on industry projects where you can apply your skills to solve real-life business scenarios. Want to know if your project proposals are relevant to industry needs? You will get to present to and hear from industry professionals who will co-assess your project proposals.

Multiple Learning Pathways

In your final year, you will get to embark on enriching internships with prestigious local and foreign banks, as well as FinTech start-ups that best meet your learning needs and aspirations.

For deeper work exposure, you may choose from the one-year JobReady Programme, a six-month internship, and an optional 8-week work stint during your semester break.

With leading partner companies such as DBS, OCBC, UOB, Monetary Authority of Singapore, Singapore Exchange Limited, Ascott Limited, BNY Mellon, Capitaland Investment, CGS-CIMB, GIC, HSBC, Julius Baer & Co. Ltd, and SeaMoney, your internship experience will be a fulfilling one that may open doors to rewarding careers!



FINTECH CHAMPIONS

Close to 100 BF students participated in the annual PolyFinTech 100 API Hackathon 2023, a competition meant to cultivate FinTech talents. A group of BF students clinched the winning title in the Decentralised Finance, RegTech and InsurTech categories for their innovative ideas.

"Participating in the PolyFinTech100 competition was truly eye-opening for me! My team, which emerged as the champion in the RegTech category, proposed a scalable system for detecting payment fraud for compliance officers. Moreover, I had the opportunity to hone my skills in FinTech, banking, and customer journey mapping, providing me with a head start for my career."

ETHAN CHOO

Diploma in Banking & Finance, Year 3

OVERVIEW OF YOUR BF JOURNEY

YEAR

1

A strong foundation in core business concepts



(e.g. Economics, Business Communication, Global Business)

YEAR

2

Infusion of Technology, Sustainability & Real-world Learning



Technology

Exposure to FinTech, API, RPA, Chatbot, Electronic Know Your Customer (e-KYC), Insurtech



Sustainability

Exposure to ESG and sustainability practices for financial institutions



Real-world Learning

Participation in industry projects with banks like DBS & UOB, national FinTech Hackathons, workshops & industry networking

YEAR

3

Multiple industry immersion options



6-month internship at FinTech start-up or financial institution



1-year JobReady Programme at financial institution



Optional
8-week work stint at financial institution during semester break

WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{^*}

YEAR 2

- Banking Analytics
- Business Communication 2
- Commercial Banking
- Corporate Finance
- Financial Markets & Instruments
- Financial Planning
- Fintech & Digital Banking
- Investments
- Transaction Management & Blockchain Innovation
- World Issues: A Singapore Perspective[^]

YEAR 3

- Business Persuasion & Influence
- Digital Marketing for Financial Services
- Risk & Compliance
- Wealth Management
- Six-month Internship
- Project ID: Connecting the Dots[^]

One-Year JobReady Programme

- Industry Attachment 1 & 2
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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

The BF diploma is recognised by all local and many overseas universities. Many universities in Australia and the United Kingdom grant at least one year's exemption, which means you can complete your degree programme earlier. Professional bodies like the Institute of Chartered Accountants in England and Wales (ICAEW) and the Institute of Banking & Finance (IBF) recognise our diploma.

In terms of industry-linked certifications, you will be exempted from one module of the Capital Markets & Financial Advisory Services (CMFAS) examinations. In partnership with the Financial Planning Association of Singapore (FPAS), all BF students will achieve the Associate Financial Planner (AFP^{CM}) certification upon graduation. With this certificate, BF graduates can take an accelerated route to attaining the Certified Financial Planner (CFP[®]) designation.

CAREER

As a BF graduate, you can find good career opportunities in fields such as FinTech, corporate finance, financial planning, investment and wealth management, ESG, sustainable finance, KYC, risk management, compliance, operations management, credit as well as digital marketing. You can look forward to pursuing careers in these job roles:

- Banking Sales Executive
- Banking Services Executive
- Credit Analyst
- Compliance Executive
- Customer Service Executive
- ESG Product Specialist
- Financial Advisor
- KYC Analyst
- Personal Wealth Executive
- Risk Analyst
- Sustainable Finance Analyst



OH JIA JUN

Banking & Financial Services* graduate, Class of 2021

A recipient of the POSB Gold Medal and Ngee Ann Polytechnic Outstanding Achievement Award, Jia Jun is pursuing a double degree in Social Science (majoring in Politics, Law and Economics) and Business Management under SMU's Global Impact Scholarship.

*Renamed the Diploma in Banking & Finance



SHAMUS TEO

Banking & Financial Services* graduate, Class of 2020

A recipient of SMU's Lee Kong Chian Scholarship, Shamus is pursuing a degree in Business Management. He is also the co-founder of Conformity, a retail vintage streetwear brand.

*Renamed the Diploma in Banking & Finance



GISELLE YAP

Banking & Financial Services* graduate, Class of 2017

Giselle is currently an Assistant Vice President, Business Risk and Control Management at UOB.

*Renamed the Diploma in Banking & Finance

ENTRY REQUIREMENTS

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

For the most up-to-date information on NP's Diploma in Banking & Finance, log on to www.np.edu.sg/bf

DIPLOMA IN
Business Studies



Get latest updates on course



- **One diploma with multiple options:** choice of single or double specialisations, and six-month or one-year internship
- **Four in-demand specialisations** to fulfil different career aspirations: Business Sustainability & Digitalisation, Entrepreneurship, Human Capital Management and Marketing
- Future-proof yourself for the digital age through the **Business Digitalisation Track** or get real-world exposure through a **six-month local/overseas internship or one-year JobReady Programme**
- Gain real-world learning through integrated and capstone projects sponsored by **leading industry partners**

WHAT THE COURSE IS ABOUT

Be prepared for today's dynamic business landscape with our highly versatile and sought-after Diploma in Business Studies (BS)! Offering a choice of 4 specialisation options, this premier business programme will put you in good stead to fulfil your aspiration of becoming a business manager, a human resource specialist, a marketing expert or even an entrepreneur!

Design Your Learning

Choose what and how you wish to learn. Upon gaining a solid grounding in the core fundamentals of business management, you can specialise in one of 4 exciting business areas that are highly relevant to the latest industry developments: Business Sustainability & Digitalisation, Entrepreneurship, Human Capital Management and Marketing.

With digital technologies advancing rapidly in the world today, you can expand your skill sets by opting for the Business Digitalisation (BD) Track. Designed to help you develop competencies in emerging technologies such as AI and Robotics, Advanced Applied Business Analytics and Digital Commerce, the BD Track will get you future-ready and widen your career pathways!

To gain insights into real business environments and challenges, you can opt for either a six-month local or overseas internship, or the one-year JobReady Programme aimed at further deepening your industry exposure.

Industry-relevant Learning from the Best

At BS, you will develop industry-relevant skills as you work on real-world business challenges through a variety of integrated and capstone projects sponsored by our partners such as Adecco Personnel Pte Ltd, Cloop, Johnson & Johnson Singapore, Mazars LLP, Ministry of Social and Family Development, National Healthcare Group, POPULAR Singapore, Unilever and Workato, who are leaders in their respective fields.

Thanks to our collaboration with these leading companies, you can look forward to a curriculum that is co-developed, co-delivered and co-assessed by industry partners. Through hands-on projects, workshops, industry mentorship and regular consultations, you will benefit from the rich insights and experience of these practitioners!

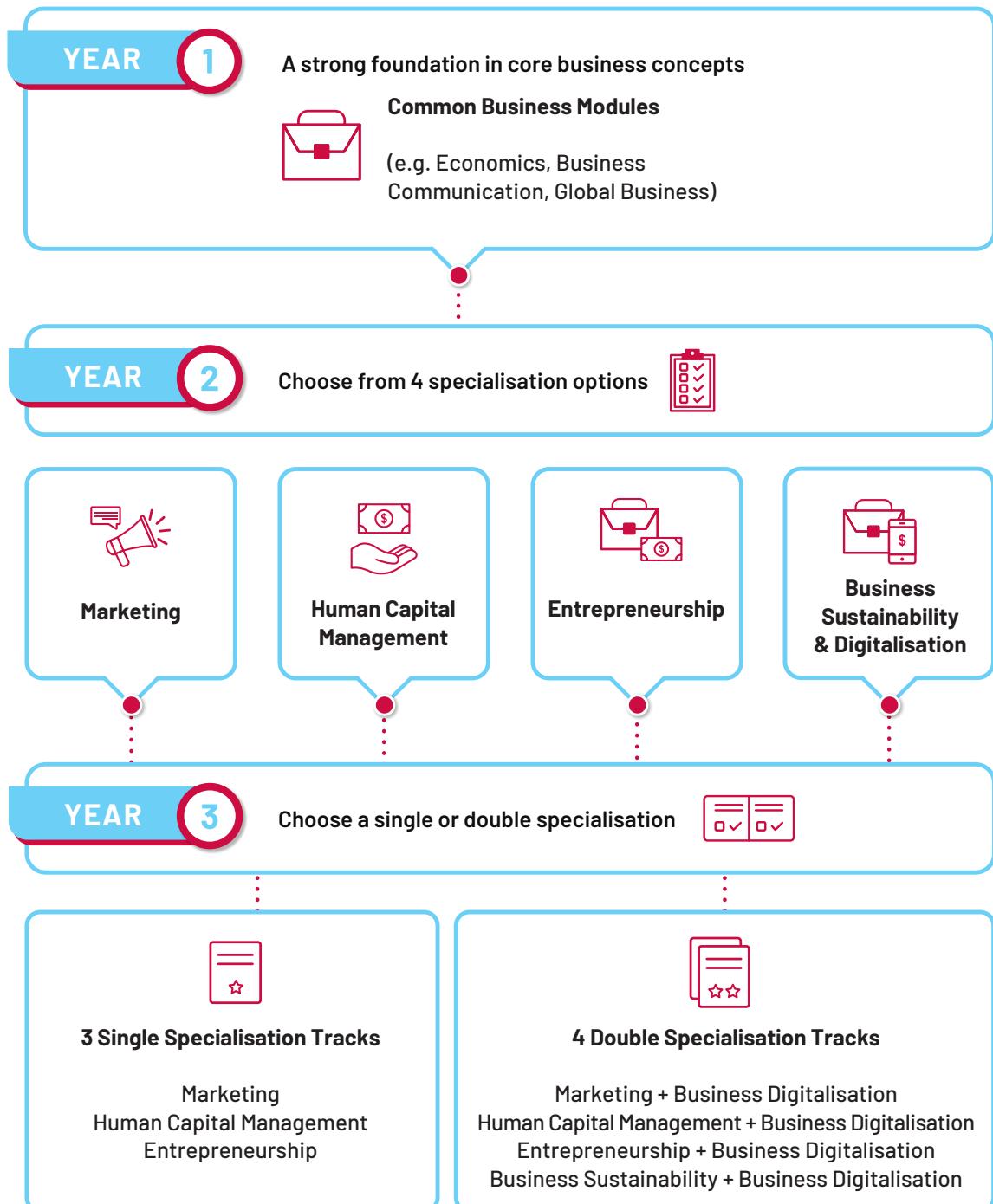
Furthermore, you will get to conceptualise omni-channel marketing strategies and testbed your ideas at Xplore, an integrated lifestyle store located on our campus! Launched in collaboration with US-based consumer health company Kenvue – which owns household brands such as Neutrogena, Listerine and Tylenol – the store will give you the opportunity to work with retailers to promote products, manage store inventories and execute time-sensitive promotions across points-of-sale. You'll also get to learn how smart retail technologies enhance a buyer's online-to-offline shopping experience!



CHAMPIONING SUSTAINABILITY

Business Studies student Jaymie Seah (left) started a sustainability project called XTRA Vintage, which encourages the reuse of clothing through the sale of pre-loved donated clothes. As a participant of the Youth for Environmental Sustainability Leaders Programme by the National Environment Agency, Jaymie will receive funding support of up to \$5,000 to implement her project.

OVERVIEW OF YOUR BS JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness^
- Innovation Made Possible^
- English Language Express^*

YEAR 2

Choose one of the 4 options* in Year 2

Entrepreneurship

- Business Analytics
- Business Communication 2
- Business Models & Strategies
- Develop a Business
- Marketing in the Digital Age
- People & Culture
- Service Management
- Sustainability Management in Business
- Innovation for Value Creation
- Startup Finance
- World Issues: A Singapore Perspective^

Marketing

- Brand Insights & Strategies
- Business Analytics
- Business Communication 2
- Develop a Business
- Integrated Marketing Communication
- Marketing in the Digital Age
- People & Culture
- Research-based Marketing Insights
- Service Management
- Sustainability Management in Business
- World Issues: A Singapore Perspective^

Human Capital Management

- Business Analytics
- Business Communication 2
- Develop a Business
- Employment Law
- Learning & Development
- Marketing in the Digital Age
- People & Culture
- Talent Experience & Engagement
- Service Management
- Sustainability Management in Business
- World Issues: A Singapore Perspective^

Business Sustainability & Digitalisation

- Business Analytics
- Business Communication 2
- Business in the Circular Economy
- Carbon Management for Businesses
- Corporate Governance & Reporting in Sustainable Businesses
- Develop a Business
- Marketing in the Digital Age
- People & Culture
- Service Management
- Sustainability Management in Business
- World Issues: A Singapore Perspective^

YEAR 3

Entrepreneurship

- Business Persuasion & Influence
- Entrepreneurship in Practice
- Corporate Entrepreneurship
- Six-month Internship
- Project ID: Connecting the Dots[^]

Marketing

- Business Persuasion & Influence
- Integrated Marketing in Practice
- Retail Experiential Engagement
- Six-month Internship
- Project ID: Connecting the Dots[^]

Human Capital Management

- Business Persuasion & Influence
- Human Capital in Action
- Total Rewards Management
- Six-month Internship
- Project ID: Connecting the Dots[^]

Business Sustainability & Digitalisation

- Advanced Applied Business Analytics
- Artificial Intelligence & Robotics
- Change Management & Persuasion
- Digital Commerce
- Digital Transformation Marketing Strategy
- Emerging Technologies & Disruptive Innovation
- Xtech
- Internship 1 & 2
- Project ID: Connecting the Dots[^]

YEAR 3

Business Digitalisation Track

- Advanced Applied Business Analytics
- Artificial Intelligence & Robotics
- Change Management & Persuasion
- Digital Commerce
- Digital Transformation Marketing Strategy
- Emerging Technologies & Disruptive Innovation
- Xtech
- Internship 1 & 2
- Project ID: Connecting the Dots[^]

One-Year JobReady Programme

- Industry Attachment 1 & 2
- Project ID: Connecting the Dots

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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.

* All specialisation options are subject to availability.

** 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

The BS diploma is recognised by all local and many overseas universities, with many of them granting module exemptions. Our graduates enjoy at least one year's exemption at many universities in Australia and the United Kingdom.

In partnership with the Institute for Human Resource Professionals (IHRP), all BS students specialising in Human Capital Management will now have an opportunity to graduate as an IHRP-Certified Associate. This will provide them with a structured pathway to becoming an IHRP-Certified Professional.



NEO HUI MEI

Business Studies graduate,
Class of 2021

Hui Mei is pursuing a Bachelor of Business Management at SMU.



CLAUDIA TAN

Business Studies graduate,
Class of 2021

Claudia is pursuing a Bachelor of Business Administration at NUS.



DAVIS KOH

Business Studies graduate,
Class of 2010

Davis is the co-founder and director of Wecofa Digital Marketing Agency, a company that specialises in online marketing campaigns



KIEFER YOON

Business Studies graduate,
Class of 2015

Kiefer is a Global Product Marketing Manager at TikTok Pte Ltd.

ENTRY REQUIREMENTS

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

For the most up-to-date information on NP's Diploma in Business Studies, log on to www.np.edu.sg/bs

DIPLOMA IN

International Trade & Business

Get latest updates on course



- ▶ A unique course that opens doors for you to ride the accelerating wave of **global e-commerce** by being part of the growing wholesale trade and logistics sectors
- ▶ Learn by working on **integrated and capstone projects** sponsored by leading industry partners
- ▶ Gain real-world experience through a **six-month local/overseas internship or one-year JobReady Programme**
- ▶ Future-proof yourself with skills in **sustainability and technology** throughout the curriculum

WHAT THE COURSE IS ABOUT

Ever wondered how global e-commerce platforms like Amazon and Alibaba tap emerging technologies to ship and distribute their products and services all over the world? As more consumers turn to e-commerce for all their needs, the demand for wholesale trade and logistics professionals in the industry is set to soar. Get a better understanding of international trade practices and supply chain management, and discover how you can play a role in the fast-changing global trade sector with the Diploma in International Trade & Business (ITB)!

Comprehensive and Future-Ready Curriculum

Gain insights into global trade operations by learning about the core business functions of the sector, which includes logistics, transportation and supply chain management. For example, you will learn the skills and knowledge to manage warehousing, transportation and freight operations, as well as implement sustainable logistics solutions.

As more companies leverage digital technologies to drive growth and expansion, ITB will equip you with the competencies and skill sets for this new landscape. In this course, you will learn data analytics skills and get exposed to artificial intelligence, robotics, e-commerce and automation know-how, so you will be ready to take on new roles in the digitalised workplace. In addition, with green logistics integrated into the ITB curriculum, you will be well-equipped to help organisations develop sustainable supply chain strategies and solutions.

Real-world Learning

Our strong links with industry partners will provide you with up-to-date learning as well as mentorship. You will get opportunities to apply your skills in integrated and capstone projects to solve real-world problems.

Besides mastering transferable critical core skills and business management skills, these projects will provide you with hands-on experience in leading and managing business transformation initiatives.

Choose Your Industry Immersion Pathway

In your final year, choose either a six-month local or overseas internship, or the one-year JobReady Programme aimed at further deepening your industry exposure. Our partners include key multinationals such as Robert Bosch, global logistics companies such as Bolloré, global trading companies such as Wilmar, and local companies with well-developed logistics arms such as ST Engineering and Culina.

Aimed at preparing you to seize future opportunities, our internship and one-year JobReady Programme offer exposure to knowledge and skills in emerging areas – so you can be prepared for in-demand roles such as a Risk & Resilience Analyst, Sustainable Supply Chain Specialist, Logistics Solutions Executive and Green Logistics Executive!

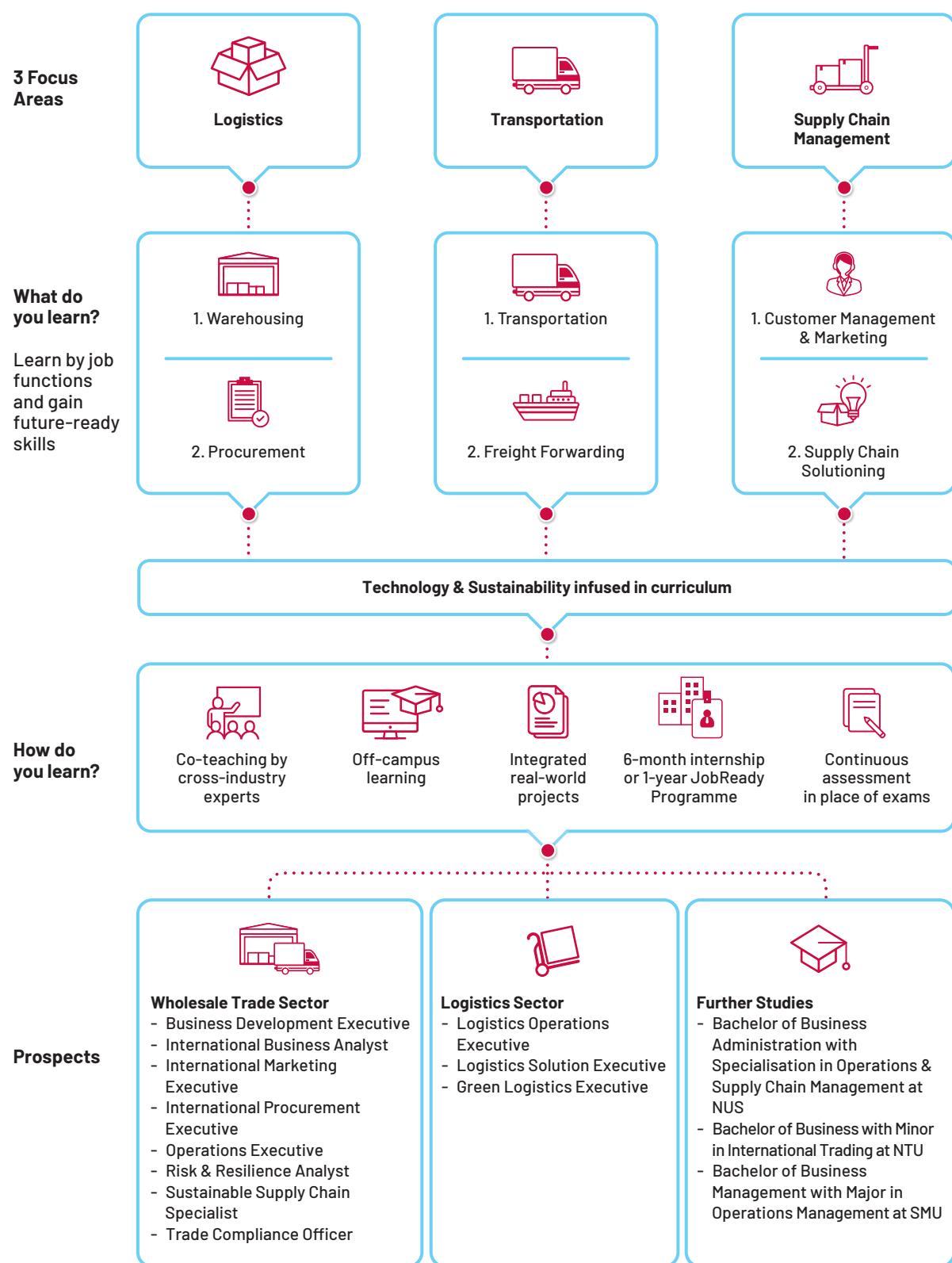
INDUSTRY IMMERSION PATHWAYS

6-month local internship
at companies such as Robert Bosch,
Bolloré and Wilmar
or

6-month overseas internship
aimed at providing students with international
work experience
or

1-year JobReady Programme
aimed at providing students with deeper
industry learning

HIGHLIGHTS OF SKILLS & COMPETENCIES



WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{^*}



AWARD-WINNING BUSINESS IDEA

Year 3 ITB students Terry Lee, Kishor Chidambaranathan and Eve Toh won third place in the Heartland Innovation Challenge 2022 for pitching their innovative business ideas to aquarium distributor Rainbow Fish Industries. They proposed a B2B subscription-based platform that streamlines processes such as inventory management and order processing to boost the productivity of this heartland enterprise.

YEAR 2

- Business Communication 2
- Business Improvement Project
- Business Optimisation Project
- Global Transportation Management
- Global Trade & Forwarding Management
- International Procurement & Supply Management
- Supply Chain Technology & Sustainability 1 & 2
- Warehouse & Fulfillment Management
- World Issues: A Singapore Perspective[^]

YEAR 3

- Business Transformation Project
- International Marketing & Customer Management
- Supply Chain Solutioning
- Supply Chain Technology & Sustainability 3
- Six-month Internship
- Project ID: Connecting the Dots[^]

One-Year JobReady Programme

- Industry Attachment 1 & 2
- Project ID: Connecting the Dots

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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 an ITB graduate, you can pursue degrees in international trade, logistics and supply chain management, as well as other business degree courses at all local and overseas universities.

KISHOR CHIDAMBARANATHAN
 International Trade & Business graduate, Class of 2023

A recipient of the ESG Global Executive Scholarship, Kishor will pursue an Economics degree in NUS.


LEE JIA YING
 International Trade & Business graduate, Class of 2021

Jia Ying is pursuing a degree in Business Management with a Major in Operations Management at SMU.

**CAREER**

With Singapore expanding its role as a major global trading and logistics hub, job prospects are bright for you. Embark on a career in international business analysis, trade coordination, import/export compliance, e-commerce, procurement, and market research in the wholesale trade and logistics sectors. You can look forward to pursuing careers in these job roles:

- Business Development Executive
- International Business Analyst
- International Marketing Executive
- International Procurement Executive
- Logistics Operations Executive
- Risk & Resilience Analyst
- Sustainable Supply Chain Specialist
- Trade Compliance Officer

MIGUEL BAY HONG
 International Trade & Business graduate, Class of 2021

Miguel is pursuing a degree in Business with a Minor in International Trading at NTU. He is also the founder and creative lead of Heritage Bay, a fast-growing retailer of Southeast Asian cultural products.

**ENTRY REQUIREMENTS**

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

For the most up-to-date information on NP's Diploma in International Trade & Business, log on to www.np.edu.sg/itb

DIPLOMA IN**Tourism & Resort Management**

Get latest updates on course



- A versatile course that **prepares you for diverse sectors** such as events, leisure and lifestyle, hospitality and travel
- **Industry-focused curriculum** develops your ability to adapt, create and innovate in a dynamic environment
- Gain **sustainable tourism skills** through our partnership with leading industry players to seize opportunities in the green economy
- **Customise your learning** by choosing the Business Digitalisation Track, Tourism Startup Internship Project, six-month local/overseas internship or one-year JobReady Programme

WHAT THE COURSE IS ABOUT

With international tourism set to return to pre-pandemic levels, organisations will need to transform their products and offerings, and build new capabilities to position themselves for future growth opportunities. NP's Diploma in Tourism & Resort Management (TRM) will provide you with in-depth industry insights to help you reimagine the tourism landscape, and equip you with competencies that are relevant across different industries. With TRM, you will go places!

Future-ready Curriculum

You will gain a strong business foundation and business ideation skills in the first year. Your learning will also focus on key sectors of tourism such as events, leisure and lifestyle, hospitality and travel.

To help you cater to more discerning and digitally connected travellers, get acquainted with skills and knowledge which are in demand in the tourism industry, such as tourism data analytics, digital marketing and service experience design. In addition, you will get exposure to the latest technology developments such as artificial intelligence and augmented reality, and understand how they can be applied to elevate the guest experience. Plus, get a chance to obtain Google Ads and Google Data Analytics Certifications, which will give you an edge in your future career.

You will also benefit from blended learning opportunities comprising masterclasses by industry experts, learning journeys, online courses, hackathons, company-based projects and research projects. Through our Business Digitalisation Track, you will get to go for multiple internships.

The Future of Tourism is Green

With more travellers going green, TRM will enable you to better apply sustainability concepts and practices. You will examine industry best practices and learn how to shape new sustainable futures. Thanks to our partnerships with leading industry players, you will get to propose and plan sustainability-related business solutions, such as working on advocacy campaigns that target guests and visitors, and education programmes on environmental conservation. To ensure industry-relevant learning, your proposals will be co-assessed by industry experts, who will provide feedback and guidance.

Choose Your Industry Immersion Pathway

Customise your own learning pathway in your final year by choosing either the Business Digitalisation Track to deepen your knowledge in emerging technologies, or embark on a Tourism Startup Internship Project, which will give you the chance to conceptualise and start a tourism-related business to tap current opportunities!

Opt for a six-month internship or the one-year JobReady Programme for deeper industry immersion. You can look forward to local internships – at companies such as Experia Events, Tricom, Raffles Hotel, Shangri-La Hotel, Shangri-La Rasa Sentosa, PARKROYAL COLLECTION Marina Bay, Four Seasons Hotel Singapore, Hotel Fort Canning, Sentosa Development Corporation, and Changi Airport Group – as well as overseas internships at exciting regional destinations such as Thailand and Vietnam!



IMPROVING VISITOR EXPERIENCES

Our second-year TRM students embarked on an integrated project in collaboration with the Mandai Wildlife Reserve to reimagine the product and service offerings at attractions such as Bird Paradise, Singapore Zoo and Night Safari. Subsequently, they employed design thinking methodologies along with the business model canvas tool to develop innovative proposals.

OVERVIEW OF YOUR TRM JOURNEY

Comprehensive curriculum focused on 4 key Industry Sectors



Events



Hospitality



Leisure & Lifestyle



Travel

Highlights



Sustainability

Tie-up with leading industry players focused on sustainability in tourism



Technology

Learn tourism data analytics, digital marketing and service experience marketing, and get exposed to augmented reality



Industry Projects

Work with industry partners to co-create solutions for the tourism sector

Multiple Pathways for deeper industry-relevant learning



Tourism Startup Internship Project

Conceptualise your own tourism-related business, or work with our industry partners for an intrapreneurial or entrepreneurial project



Business Digitalisation Track

For students to gain digitalisation skills and knowledge of emerging technologies



6-month Local Internship

At leading companies such as Raffles Hotel, Shangri-La Hotel, Sentosa Development Corporation, etc.



6-month Overseas Internship

To regional countries such as Thailand and Vietnam



1-year JobReady Programme

To gain curated skill sets to prepare you for your future career

WHAT YOU WILL LEARN

YEAR 1

- Business Communication 1
- Business Law
- Career & Professional Preparation
- Economics
- Finance & Accounting for Business
- Global Business
- Kickstart a Business
- Makings of a Business
- Programming for Business
- Statistical Applications for Business
- User-Centred Design for Business
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{^*}

YEAR 2

- Airline & Travel Business
- Business Communication 2
- Event Design
- Events in Action
- Hospitality Management
- Leisure & Lifestyle Business
- Service Experience Design
- Sustainability in Tourism
- Tourism Analytics
- Tourism Marketing
- Tourism Research
- World Issues: A Singapore Perspective[^]

YEAR 3

- Business Persuasion & Influence
- Digital Marketing in Tourism
- Revenue Management in Tourism
- Tourism Business Innovation
- Tech-Talk in Tourism
- Six-month Internship or Tourism Startup Internship Project
- Project ID: Connecting the Dots[^]

Business Digitalisation Track

- Advanced Applied Business Analytics
- Artificial Intelligence & Robotics
- Change Management & Persuasion
- Digital Commerce
- Digital Transformation Marketing Strategy
- Emerging Technologies & Disruptive Innovation
- Xtech
- Internship 1 & 2
- Project ID: Connecting the Dots[^]

One-Year JobReady Programme

- Industry Attachment 1 & 2
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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 TRM graduate, you can pursue a wide range of degree courses at both local and overseas universities. Some institutions may grant module exemptions. They include Australian universities such as Southern Cross University, University of Queensland, University of Southern Queensland and University of Nevada, Las Vegas.



RUSSELL PHUA

Tourism & Resort Management graduate, Class of 2018

A recipient of SMU's Lee Kong Chian Scholarship, Russell is pursuing a degree in Business Management at SMU.



TAN SONG YI

Tourism & Resort Management graduate, Class of 2022

Song Yi is pursuing a Bachelor of Business Administration at NUS.

CAREER

As Singapore develops into a global tourism destination, the demand for well-trained tourism professionals will continue to increase. TRM graduates can find many job openings in the attractions, food and beverage, hospitality, MICE, travel and other tourism-related sectors. You can look forward to pursuing careers in these job roles:

- Attractions Operations Crew/Executive
- Business Development Executive
- Content and Experience Development Executive
- Coordination and Reservations Executive
- Customer Experience Executive
- Customer Support Executive
- Digital Marketing Executive
- Education and Programmes Executive
- Event Operations Executive
- Event/Project Executive
- Event Services Executive
- Front Office Executive
- Guest Relations Executive
- Hybrid Events Planner
- Marketing Communications Executive
- Operations & Compliance Executive
- Product and Experience Development Executive
- Reservations Executive
- Remote Content Researcher
- Sales Executive
- Sustainability Officer
- Travel Account Executive



CHEA PUI YEE

Tourism & Resort Management graduate, Class of 2014

Pui Yee is the Director and Lead Wedding Coordinator for pei.weddings.

ENTRY REQUIREMENTS

For information on the entry requirements for this course, turn to Page 2.

CONTACT US

For the most up-to-date information on NP's Diploma in Tourism & Resort Management, log on to www.np.edu.sg/trm

OUR GRADUATES WITH THAT SOMETHING XTRA

Our BA alumni have gone on to make a mark in various industries. They include Quek Siu Rui and Marcus Tan who co-founded online marketplace Carousell, as well as Ian Ang who built gaming chair business empire Secretlab. Check out what our other outstanding graduates have to say about their learning journey in NP!



EXPLORING BOUNDLESS HORIZONS

"A highlight of my time at Ngee Ann Poly was my six-month internship at Grab Indonesia, where I travelled across cities and learned more about business operations, management and analytics. The knowledge and exposure I gained as a student here have fuelled my passion for business."

LYNETTE LAU

Business Studies graduate, Class of 2018

A recipient of the NUS Global Merit Scholarship and the Lee Kuan Yew Scholarship to Encourage Upgrading Award, Lynette earned a degree in Business Administration at NUS. She now works as an account executive at Okta, an IT security solutions firm specialising in user authentication services.



INSPIRED TO INNOVATE

"BFS gave me the opportunity to learn the various facets of business and finance and I got to apply this knowledge during my internship at the Monetary Authority of Singapore. I also embarked on an Overseas Immersion Programme trip to Shanghai to learn about China's advanced banking and finance ecosystem, and how we can apply innovative solutions to drive growth in Singapore's financial industry."

OH JIA JUN

Banking & Financial Services* graduate, Class of 2021

Jia Jun is pursuing a double degree in Social Science and Business Management under SMU's Global Impact Scholarship.

*Renamed the Diploma in Banking & Finance



STARTING NEW VENTURES

"Ngee Ann's strong curriculum gave me the foundation to launch my coffee business, KoffieAsia. Concepts from modules such as International Marketing helped me plan my marketing mix to kickstart a successful venture in the Indonesian market."

BILLY DRAGOVA

International Trade & Business graduate, Class of 2021

In his third year, Billy and his coursemate co-founded KoffieAsia, which sells premium-quality coffee beans, tea leaves and cacao directly sourced from small-scale farmers in Southeast Asia. He is currently pursuing a degree in Business with a Minor in International Trading at NTU.



BUILDING PROFESSIONAL TIES

"The ACC course played a significant role in unlocking my potential and pushing me beyond my comfort zone. My internship with Ernst & Young LLP allowed me to explore the assurance field and expand my professional network. NP's robust curriculum, holistic learning environment, and supportive lecturers contributed to my personal growth and boosted my confidence."

JENNA ANG

Accountancy graduate, Class of 2018

Jenna graduated Magna Cum Laude with a Bachelor of Accountancy from SMU and is working as a conversion rate optimisation analyst at Julius Baer.



EXPANDING HIS HORIZONS

"In addition to participating in business competitions and internships, BA gave me many networking opportunities. Some highlights include an overseas course trip to Shanghai, China and a virtual internship with ICAEW with international students. These experiences broadened my perspectives and instilled a global mindset."

JOSHUA NG

Accountancy graduate, Class of 2021

Joshua was awarded the Institute of Singapore Chartered Accountants Gold Medal & Prize, RSM Stone Forest Prize, and ICAEW Prize. He is currently pursuing a Bachelor of Accountancy at SMU with a second major in Finance.



THRIVING IN FINTECH

"BF has equipped me with strong business fundamentals and problem-solving skills. It has also prepared me for my internship at the Monetary Authority of Singapore, where I could adapt quickly and excel."

ANDRALYNN TAN

Banking & Finance graduate, Class of 2022

An executive committee member in the Singapore FinTech Youth Chapter, Andralynn is currently pursuing a Bachelor of Business Management at SMU.

OUR GRADUATES WITH THAT SOMETHING XTRA



FOUNDER OF FRENCH PASTRY BUSINESS

"With its unique curriculum, TRM taught me to embrace innovation and take risks with an open mind! In fact, it inspired me to start my own bakery business!"

JULIE TAY

Tourism & Resort Management graduate, Class of 2015

Julie pursued a diploma in French pastry making at the École Nationale Supérieure de Pâtisserie and interned under renowned pastry chef Pierre Hermé. As the founder of The Flour Department bakery, she infuses French pastries with local flavours.



ENHANCING EXPERIENCES WITH TECH

"TRM not only provided me with a solid business foundation but also taught me how to use technology to enhance the tourism experience. This has paved the way for my career as a digital product manager."

EDNA TAN

Tourism & Resort Management graduate, Class of 2015

Before her role as digital product manager at Zenyum, Edna served as the APAC regional manager at Revinate, a tech-based solutions company offering digital services to top hotels and resorts. During her tenure, she devised creative solutions to address marketing and hotel operational challenges.



LEADING A SUCCESSFUL BUSINESS

"The hands-on learning experiences in NP were beneficial to me! From embarking on internships in MNCs to publishing a magazine, each moment felt like a vigorous entrepreneurial learning journey. The lessons learnt still guide me in making crucial business decisions today!"

ZACHERY TAN

Business Studies graduate, Class of 2010

Zachery is the Director at Newway Systems Pte Ltd, a company specialising in air-conditioning systems for residential and commercial clients.

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

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

SCHOOL OF
**DESIGN &
ENVIRONMENT**



- Design
- Hotel & Leisure Facilities Management
- Real Estate Business



de

**Live Design.
Live Green.**

More than ever, design is shaping the future. The choice of our designs defines the environment we want to live in. At the School of Design & Environment (DE), you'll learn how to use the human-centred design methodology and smart technologies to transform living and working spaces, as well as sustainability strategies to build a greener future. Join us to create a better world by design.

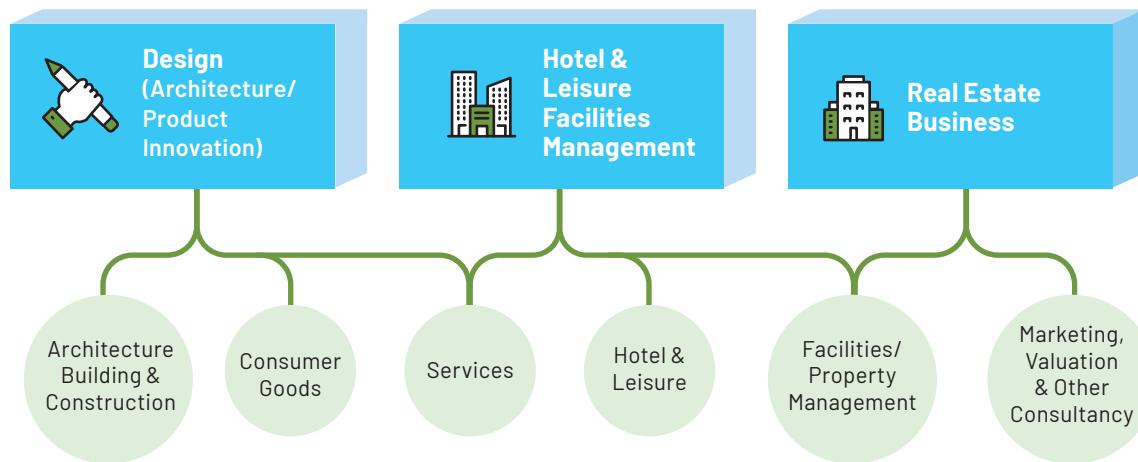
5 Design (N12)
(Architecture/Product Innovation)

10 Hotel & Leisure Facilities Management (N40)

15 Real Estate Business (N48)

3 DIPLOMAS ENDLESS POSSIBILITIES

At DE, you will be inspired to make the world around us better by design through our 3 unique diplomas that lead to **many exciting pathways** across diverse sectors.



Design (N12)

(Architecture/Product Innovation)

Unlock your creative potential and be a new-age designer armed with new economy skills such as data visualisation and user experience/interface (UX/UI) design. Master our unique human-centred design methodologies to create holistic designs that impact lives and communities. As the only poly diploma that gives you the chance to specialise in Architecture or Product Innovation, you will be trained for creative careers in diverse sectors.

Hotel & Leisure Facilities Management (N40)

Get equipped with skills in smart and green technologies to promote sustainability and digital transformation in the facilities management sector. Learn industry best practices in the management of

hotel, leisure and commercial facilities to improve service standards and operational efficiencies. You will be prepared for exciting careers in two major sectors – the hospitality and facilities management industries!

Real Estate Business (N48)

The only poly diploma of its kind, this course will open doors to many exciting possibilities in the business and real estate sectors. You will acquire skills in smart and green technologies, including data analytics for market research and sustainability in real estate such as green leases. Upon completion of this course, you can explore careers in property management, valuation, marketing and consultancies with real estate investment trusts (REITs), developers, consultancy firms and others.

WHY CHOOSE DE

Unlock your innovative potential to design creative spaces, experiences, products or solutions – the possibilities are limitless at DE! As a design school with character and soul, our human-centred design methodology, strong focus on technology and passion for sustainability will give you the skills to design for good.



TECHNOLOGY-INFUSED LEARNING

Gain skills in smart technologies and digitalisation that are shaping the future of design and transforming our environment.



INDUSTRY CO-CREATION

Co-create ideas with our renowned partners including:



IN-DEMAND SKILL SETS

Gain an edge in your professional field with industry certifications in sought-after skill sets.



REAL-WORLD LEARNING

Your classroom is bigger than you think. Learn through masterclasses and workshops conducted by industry experts, real-world projects and hackathons, and more. Turn to Page 20 to see how our students learn!



FOCUS ON SUSTAINABLE DESIGN TECH

Apply your knowledge and skills to propose solutions to address sustainability challenges through our signature DE Experience module, which will be offered to all DE freshmen.



DESIGN FOR GOOD

As part of our signature human-centred design and participatory design curriculum, you will get to apply your skills and knowledge to benefit the community and discover a deeper meaning to your course.

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

N12

DIPLOMA IN **Design (Architecture/Product Innovation)**

Get latest updates on course



- ▶ The only poly diploma that gives you the chance to specialise in Architecture or Product Innovation
- ▶ Design for good – master our unique human-centred design methodology to create designs that impact lives & communities
- ▶ Exciting internships at innovative start-ups or leading multinationals, industry-sponsored projects, masterclasses and workshops by award-winning lecturers and overseas universities, competitions and hackathons
- ▶ A design school with soul and character, inspiring a culture of passion and engagement in learning

WHAT THE COURSE IS ABOUT

Designers play a key role in developing solutions for the challenges we face today. From architecture to products, and experiences to processes, the designer helps create a better world. In the Diploma in Design (DES) – the only poly diploma with specialisations in Architecture and Product Innovation – you will be trained for creative careers in diverse sectors.

Technology-infused Curriculum

DES will train you to be a next-gen designer with a curriculum that is infused with the latest technologies, with a focus on new economy skills such as data visualisation and user experience/interface (UX/UI) design. Gain exposure to emerging technologies such as Virtual Reality and Artificial Intelligence for digital design, as you hone your skills in digital fabrication, 3D printing, digital prototyping & visualisation, data analytics, machine learning and more.

Industry-relevant Learning

As green design innovation gains momentum, our strong industry connections provide opportunities for you to create sustainable solutions through a wide range of hands-on activities that include hackathons and industry-sponsored projects.

You can look forward to earning relevant certifications that will give you an edge in your career. For instance, students specialising in Architecture can obtain a Tier 4 (Provisional) Digital Delivery Management Certification by buildingSMART Singapore, supported by the Building & Construction Authority.

In addition, you will have access to activities celebrating architectural design and the built environment through our partnership with the Singapore Institute of Architects, and attend masterclasses and workshops delivered by an award-winning faculty.

Design for Good

Our unique human-centred design methodology and participatory design modules will give you opportunities to impact lives as you work on meaningful projects that benefit the community. From redesigning public spaces, upcycling furniture, to proposing concepts for sustainable living, let the world experience the benefits of good design!

Multiple Learning Pathways

Choose from our flexible and multiple learning pathways ranging from three- to six-month internships followed by final-year projects with different types of companies, including reputable architecture firms, top-notch design consultancies, well-known non-governmental organisations, established banks and innovative start-ups.



BEST GREEN INNOVATION AWARD

Design graduate Ang Kai Jun developed an architectural design proposal to provide hydroponic farmers a place to grow edible plants in high-rise buildings. Titled 'HydroCube', it won the Best Green Innovation Award at the Asia Young Design Awards 2023.



INNOVATIVE KNEE GUARD DESIGN

Design graduate Yap Shu Min won the gold award in the Design category at the 2023 Assistive Rehabilitation Technologies Student Innovation Challenge for her innovative knee guard design, which uses electronic pulsations at specific acupuncture points for targeted pain relief.

OVERVIEW OF YOUR DES JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- DE Experience
- Design Communication 1
- Design Foundation Studio
- Design Studio 2 (UX & Spatial Design)
- Computer Aided Design 1 & 2
- Fundamentals of Drawing
- History & Principles of Design
- Model Making
- Career & Professional Preparation for Design
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

Architecture Specialisation

- Architectural Materials & Technology 1 & 2
- Building & Environmental Systems
- Computer Aided Design 3 & 4
- Design Studio 3 (Community Design/Build)
- Design Studio 4 (Design for Manufacturing & Assembly 1)
- History & Theory of Architecture

Product Innovation Specialisation

- Aesthetics & Ergonomics
- Computer Aided Design 3
- Data Analytics for Design
- Design Communication 2
- Design Development
- Design Studio 3 (Research)
- Design Studio 4 (Design Entrepreneurship)
- Entrepreneurship & Marketing

YEAR 3

- Project ID: Connecting the Dots[^]

Architecture Specialisation

- Architectural Materials & Technology 3
- Architectural Practice
- Design Studio 5 (Design for Manufacturing & Assembly 2)
- Design Studio 6 (Place-Making)
- Three-month Internship

Product Innovation Specialisation

- Design Studio 5 (Innovation)
- Technology for Design
- User Interface & Digital Prototyping
- Three-month Internship with Capstone Project OR Six-month Internship

[^] 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 DES graduate, you will enjoy advanced standing from many related courses in local universities, including:

- Nanyang Technological University
 - Bachelor of Fine Arts in Product Design
 - Bachelor of Fine Arts in Design Art
- National University of Singapore
 - Bachelor of Arts in Architecture
 - Bachelor of Arts in Industrial Design
- LASALLE College of the Arts
 - Bachelor of Arts (Design Communication)
 - Bachelor of Arts (Interior Design)
 - Bachelor of Arts (Product Design)
- Nanyang Academy of Fine Arts
 - Bachelor of Arts (Hons) Design Practice



LIM CAI QIAN

Design graduate, Class of 2023

A recipient of the Lee Kuan Yew Award and Ngee Ann Polytechnic Outstanding Achievement Award, Cai Qian is pursuing a degree in Integrative Studies at SMU under the Global Impact Scholarship.

GAVIN LOW

Sustainable Urban Design & Engineering* graduate, Class of 2012

Gavin graduated top of his cohort with a Master of Architecture from NUS and is a design manager at CapitaLand Vietnam.

*Renamed the Diploma in Design



RUSSELL CHEW

Product & Design (PDI)* Innovation graduate, Class of 2011

An industrial design graduate from NUS, Russell is currently the design lead at Monetary Authority of Singapore.

*Renamed the Diploma in Design



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)	1-6
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.

Candidates with severe 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 Design, log on to www.np.edu.sg/des

DIPLOMA IN

Hotel & Leisure Facilities Management

Get latest updates on course



- Dual focus on digitalisation skills and green technologies prepares you to manage smart hotels and facilities
- Innovative real-world learning experiences with leading industry partners
- Customise your learning with choice of a six- or nine-month internship in two key sectors – hotel or facilities management
- Gain internationally-recognised professional certifications that will help you stand out

WHAT THE COURSE IS ABOUT

Smart technology is transforming the hotel and leisure industry, and environmental sustainability goals are driving green innovation! With a strong dual focus on smart and green technologies, the Diploma in Hotel & Leisure Facilities Management (HLFM) will prepare you for exciting careers in not just one but two major sectors - hospitality and facilities management!

Emerging Skills

HLFM will equip you with digitalisation skills such as data analytics and data visualisation to help you use data to address real-world challenges. Get an added edge by learning smart technologies including Building Information Modelling (BIM), microbit coding and Internet of Things (IoT). You will also be trained to manage facilities in a world that has embraced digitalisation and automation.

Real-world Learning

Look forward to learning journeys, off-campus workshops and nine-month curated internships with local or overseas hotels! These experiences will deepen your industry understanding in areas such as front and back office management, digital marketing, and sustainable and business continuity practices. You will also learn about the management of shopping malls and integrated resorts, marketing and consumer behaviour, green building and energy management systems, and security management, so that you graduate with well-rounded knowledge about the industry.

Our established collaborations with reputable hotels, real estate development and management firms, and technology companies will allow you to gain industry-current skills that will get you career-ready.

Cool Campus Facilities with Real Data

Want to get hands-on experience working with real-life data? You don't need to go far to apply your facilities management skills. Our on-campus smart Integrated Operations Centre will become your classroom where you learn how to solve real-world challenges through authentic experiences.

Industry-relevant Certifications

Get fully prepared for the workforce with relevant certifications such as Autodesk BIM, IFMA, Fire Safety Manager* and bizSAFE Level 2. These internationally-recognised qualifications will give you an edge when you join the industry.

*Subject to fulfilment of all requirements

MULTIPLE PATHWAYS IN YEAR 3

Design your own learning by choosing among 3 exciting pathways for you to gain the industry experience you desire, build deeper specialised skills, or work on an industry-sponsored project to strengthen your portfolio!

9 month Internship in Facilities Management
+
2 Core Modules

OR

6 month Internship
+
6 month Coursework

OR

9 month Internship in Hospitality Management
+
2 Core Modules

HIGHLIGHTS OF SKILLS & COMPETENCIES



With well-rounded skill sets, including in-demand skills in **sustainability and digitalisation**, you will be equipped for careers in both the **hospitality and facilities management industries**



WHAT YOU WILL LEARN

YEAR 1

- Data Analytics and Research
- DE Experience
- Hospitality Business
- Electrical Facilities
- Hospitality Management
- Financial Accounting and Management
- Customer Experience Management
- Environmental Health and Workplace Safety
- Mechanical Facilities
- Career and Professional Preparation 1
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Smart Facilities Management
- Marketing and Consumer Behaviour
- Principles of Management
- Security Management & Business Continuity
- Shopping Mall & Strata Management
- Building Technology
- Career and Professional Preparation 2
- Events Management
- Sustainable Building Systems
- Building Information Modelling
- World Issues: A Singapore Perspective[^]

YEAR 3

- Hospitality Technology
- Project Planning & Management
- Building Maintenance & Asset Enhancement
- Fire Safety Management
- Six-month Internship OR Nine-month 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

With a well-recognised diploma under your belt, you can continue your education in both local and overseas universities. HLFM graduates who apply to study in related degree courses will be given credit exemptions. These related degree courses include:

Singapore

- National University of Singapore
 - Bachelor of Science (Infrastructure and Project Management)
 - Bachelor of Science (Real Estate)
- Singapore Institute of Technology
 - Bachelor of Hospitality Business
 - Bachelor of Engineering in Sustainable Infrastructure Engineering (Land)
- Singapore University of Social Sciences
 - Bachelor of Science (Facilities and Events Management)

Australia

- University of Melbourne
 - Bachelor of Design
- University of New South Wales
 - Bachelor of Construction Management and Property

United States

- University of Nevada, Las Vegas
 - Bachelor of Science in Hospitality Management

Switzerland

- Le Roches International School of Hotel Management
 - Bachelor's Degree in Global Hospitality Management
- Glion Institute of Higher Education
 - Bachelor's Degree in International Hospitality Business

LINCOLN CHEN
Hotel & Leisure Facilities Management graduate,
Class of 2018



A recipient of the BCA iBuild SG Undergraduate Scholarship, Lincoln is pursuing a Bachelor of Science (Project Management) at NUS.

CAREER

As an HLFM graduate, you have the best of both worlds! Your training in both the hospitality and facilities management industries, plus the exposure you gain from our dual focus in smart and green technologies, will give you a head start in the future workplace.

You can look forward to a wide range of careers such as:

Hospitality Management

- Catering & Service Executive
- Front Office Executive
- Guest Relations Executive

Business Management

- Business Development Executive
- Events Operation Executive
- Public Relations Executive
- Sales & Marketing Executive

Facilities Management

- Assistant Engineer
- Facility Officer/Executive
- Technical Executive

You will also be eligible to apply for the SkillsFuture Work-Study Programme (WSProg) in the hospitality and facilities management sectors. The WSProg allows you to work with a participating organisation while completing a specialist diploma to deepen your knowledge and enhance your career progression.

**JONATHAN LUN**

Hotel & Leisure Facilities Management graduate, Class of 2017

Jonathan completed a Bachelor of International Hotel and Tourism Management at University of Queensland. He is currently working as a sales manager in Sofitel Hotels, Singapore.

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	
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.

Candidates with severe vision deficiency or hearing deficiency may encounter difficulties meeting the course requirements and expectations.

CONTACT US

For the most up-to-date information on NP's Diploma in Hotel & Leisure Facilities Management, log on to www.np.edu.sg/hlfm

DIPLOMA IN Real Estate Business

Get latest updates on course



- The only poly diploma specialising in real estate while giving you a strong grounding in business fundamentals
- Our twin focus on smart technology and sustainability for the built environment sector equips you with in-demand skills to seize new opportunities
- Learn from industry experts such as Knight Frank and Lendlease through masterclasses, workshops and industry-sponsored projects
- Gain highly sought-after professional certifications to kickstart your career

WHAT THE COURSE IS ABOUT

If you have an interest in both real estate and business management, this diploma is right up your alley! The diploma in Real Estate Business (REB) equips you with industry-relevant skills in asset management and valuation, land planning and redevelopment, as well as future-ready competencies. The only poly diploma of its kind, this course has a unique curriculum that opens doors to many exciting possibilities in business and real estate – you can even contribute to shaping future cities!

Business + Smart Tech + Sustainability

REB provides you with comprehensive knowledge in real estate and more. You will anchor your learning in business fundamentals, as well as hone a wide range of in-demand skill sets. You will develop expertise in smart technology, including knowledge of smart building systems and data analytics. You will also stay ahead of the curve with our new modules in real estate sustainability such as Sustainable Building Technologies and Environmental Services & Workplace Safety. Plus, get the chance to work on an integrated project right from your first year! With REB, you will be well-prepared for future smart cities that are designed for sustainability.

Reputable Industry Partners

Our signature partnerships with industry leaders such as Knight Frank will present you with practical experience in facilities and mall management. You may also participate in industry collaborations for the benefit of the community. For instance, REB students worked with HDB to promote financial literacy at the MyNiceHome Roadshow.

Extensive Opportunities

REB will open doors to a wide range of opportunities. You can explore careers in the valuation and development of property assets; marketing and management of commercial, industrial and residential properties; urban planning and investment to help property developers and investors maximise their profits. Your knowledge of smart and sustainable building practices will prepare you for jobs in the green economy.

Partnerships



Industry Certifications

Gain industry recognition and additional professional certifications such as the Autodesk BIM, Fire Safety Manager* and bizSAFE that will give you an added edge!

*Subject to fulfilment of all requirements



Lizanne shares how a stint at CapitaLand helped her understand retail and facility management from the inside out!

“During my 22-week internship at CapitaLand, I was attached to their Bugis Junction and Bugis+ Centre’s Management Office as an operations intern! I saw what it took to maintain two shopping malls efficiently, such as the handover of units, managing expenditure, and working with tenants, technicians and other personnel. I could also apply the skills that I learnt in the classroom in a real work setting.”

LIZANNE NG
Real Estate Business graduate,
Class of 2023

HIGHLIGHTS OF SKILLS AND COMPETENCIES

BUSINESS MANAGEMENT



Global Business & Entrepreneurship



Economics



Financial Accounting & Management

SMART TECHNOLOGY



Smart Building Systems



Building Maintenance & Diagnostics



Data Analytics for Market Research

SUSTAINABILITY



Green Leases



Green Building Technologies



Green Bond Financing



Sustainable Investment



Become a competent real estate professional with in-demand skills to **create and manage assets** and **shape the sustainable built environment**

WHAT YOU WILL LEARN

YEAR 1

- Data Analytics for Market Research
- DE Experience
- Economics
- Environmental Services & Workplace Safety
- Financial Accounting & Management
- Global Business & Entrepreneurship
- Introduction to Real Estate & Sustainability
- Principles of Law
- Sustainable Building Technologies
- Career & Professional Preparation 1
- Communication Essentials[^]
- Health & Wellness[^]
- Innovation Made Possible[^]
- English Language Express^{**}

YEAR 2

- Building Services & Maintenance
- Client Relationship Management
- Project Management & Contract Administration
- Property Management
- Property Valuation
- Real Estate Law
- Real Estate Marketing
- Urban Planning & Sustainability
- Career & Professional Preparation 2
- World Issues: A Singapore Perspective[^]

YEAR 3

- Building Diagnostics & Asset Enhancement
- Fire Safety Management
- Real Estate Investment & Finance
- Six-month Internship OR Three-month Internship and Final-Year Project
- 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 an REB graduate, you may be given credit exemptions or advanced standing when you apply to study in related degree courses. These related degree courses include:

Singapore

- National University of Singapore
 - Bachelor of Science (Real Estate)
 - Bachelor of Engineering (Infrastructure and Project Management)
- Singapore Management University
 - Bachelor of Business Management

Australia

- University of New South Wales
 - Bachelor of Construction and Property Management
- University of Melbourne
 - Bachelor of Design
- Queensland University of Technology
 - Bachelor of Business

United Kingdom

- University of Cambridge
 - Bachelor of Art in Land Economy
- University London
 - Bachelor of Science Urban Planning and Real Estate
- University of Reading
 - Bachelor of Science in Real Estate
 - Bachelor of Science in Investment & Finance in Property
- Heriot-Watt University
 - Bachelor of Science in Urban Planning and Property Development

MAXIMUS ONG

Real Estate Business graduate,
Class of 2021



The Gold Medallist of his cohort, Maximus received the Ian R. Taylor Scholarship (Asia) and is currently pursuing a Bachelor of Business Administration at SMU.

LIZANNE NG

Real Estate Business graduate,
Class of 2023



The Gold Medallist of her cohort, Lizanne is pursuing a Bachelor of Social Science at SMU.

CAREER

Upon graduation, you can find jobs in all sectors of the real estate industry. You will also be able to work with finance and investment companies dealing with asset management, such as real estate investment trusts (REITs). You can look forward to exciting and rewarding careers in roles such as:

- Administrative Executive
- Customer Service Specialist
- Environment, Health and Safety Specialist
- Fire Safety Manager
- Leasing Executive
- Management Support Executive
- Marketing Executive
- Planning Executive
- Property Finance & Loans Officer
- Property Management Executive
- Real Estate Investment Executive
- Valuation Officer
- Workplace Safety Officer



JASON CHAN

Real Estate Business graduate,
Class of 2016

Jason is an analyst at Knight Frank. He conducts market research and feasibility studies, and assists in client pitches in Knight Frank's consultancy department.



TAN KE-TING

Real Estate Business graduate,
Class of 2019

Ke Ting is a property and leasing manager at Sun Jazz Equity Pte Ltd. She is also an assistant associate marketing manager at PropNex Realty Pte Ltd.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-B

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

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

You must also fulfil the aggregate computation requirements for the ELR2B2-B 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 who have completed the Higher NITEC in Facility Management and issued with the Fire Safety Manager Certificate will be exempted from the Fire Safety Management module in this diploma.

CONTACT US

For the most up-to-date information on NP's Diploma in Real Estate Business, log on to www.np.edu.sg/reb

REAL-WORLD LEARNING

MYNICEHOME ROADSHOW

In partnership with HDB, a group of REB students organised and executed the MyNiceHome roadshow, featuring student-led exhibition booths sharing home financing tips with their peers.



"Working with HDB for this roadshow not only deepened my appreciation for the real estate industry's role in addressing societal needs but also broadened my perspective on housing initiatives. It gave me the chance to share insights on housing policies and financing tips with my peers, which enhanced my communication skills and empathy for others."

NUR AMALYN BINTE MOHAMAD JUFERI
Diploma in Real Estate Business, Year 3



MASTERCLASSES, STUDY TRIPS & INTERNSHIPS

Take part in exciting learning experiences that include masterclasses by both local and international industry experts, real-world projects with reputable brand names, as well as industry-sponsored hackathons. You will master essential skills and knowledge, and go on to shine at competitions, prestigious universities and your future workplace!

OUR GRADUATES WITH THAT SOMETHING XTRA

GAINING THE WINNING EDGE

"My course at DE helped me expand my imagination and provided me with an all-rounded learning experience. I learnt many skills in technical, graphic and product design, which gave me an edge when I graduated."



POH YUN RU

Product Design & Innovation* graduate, Class of 2013

Yun Ru, an NUS graduate with a degree in Industrial Design, is a designer at the NUS Design Incubation Centre and the recipient of the prestigious Lexus Design Award 2022 Grand Prix.

*Renamed the Diploma in Design



A GLOBAL PERSPECTIVE

"The diploma course at DE has been truly transformative. Through overseas exchanges and design competitions, I gained a profound understanding of architecture and design, allowing me to view it with both a global and personal perspective."

SHERRY GOH

Sustainable Urban Design & Engineering* graduate, Class of 2016

An architectural designer and interior design lead at Create Architecture, Sherry holds a Master of Architecture and a Bachelor of Arts in Architecture from NUS.

*Renamed the Diploma in Design



ALL-ROUNDED SCHOLAR

"I'm glad I chose HLFM as it has given me plenty of learning opportunities. The course covered business, hospitality and facilities management skills, which helped me to gain broad-based knowledge of the industry. I'm grateful to my lecturers for going the extra mile to help us grasp concepts during lessons."



RIKCHEL LIM

Hotel & Leisure Facilities Management graduate, Class of 2021

A recipient of the SMU Merit Scholarship, Rikchel is pursuing a Bachelor of Business Management.

TRANSFORMATIVE EXPERIENCES

"During my time at REB, I participated in an overseas internship at CapitaLand, Ascott China. The experience broadened my perspectives and challenged me to step out of my comfort zone. I'm also thankful to my passionate lecturers who made my learning journey in NP unforgettable."

DARRYL LEE

Real Estate Business graduate, Class of 2020

Darryl, a recipient of the Enterprise Singapore Global Executive Scholarship (Local), is pursuing a Bachelor of Science (Real Estate) at NUS.

535 Clementi Road Singapore 599489

Admissions Hotline: 6463 1233

askNP@np.edu.sg

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

SCHOOL OF
**FILM & MEDIA
STUDIES**

- ▶ Common Media Programme
- ▶ Film, Sound & Video
- ▶ Mass Communication
- ▶ Media Post-Production





**f
m
s**

Xplore. Xcite. Xcel.

Your heart's set on a career in the film or media business. You want to tell the stories that go unheard. You have the passion to make a difference where it matters. Get your head start at Singapore's original film and media school, where you will get trained to be a next-gen multi-platform media professional.

L

- 10** Common Media Programme (N14)
- 13** Film, Sound & Video (N82)
- 19** Mass Communication (N67)
- 25** Media Post-Production (N13)

TELLING THE BEST STORIES ACROSS MEDIA PLATFORMS

Established since 1989, the School of Film & Media Studies (FMS) is the original media school – and perhaps the dream school for all who are serious about entering the media industry. Best known for the works of our students, alumni and faculty, FMS is widely recognised both in the media industry and beyond. At FMS, you will get to fully explore your interests and unleash your potential in this exciting industry! With **3 proven diplomas and 1 common entry programme**, this is where you will hone a wide range of skills such as:



Content
Creation



Digital
Journalism



Social Media
Marketing



Filmmaking



Editing



Lighting &
Sound Effects



Immersive
Experiences



Branding &
Communication



TV
Production



Radio
Production



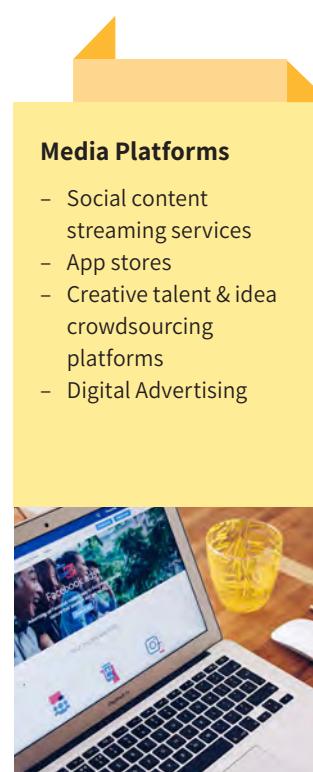
Post-
production



User Experience
Design

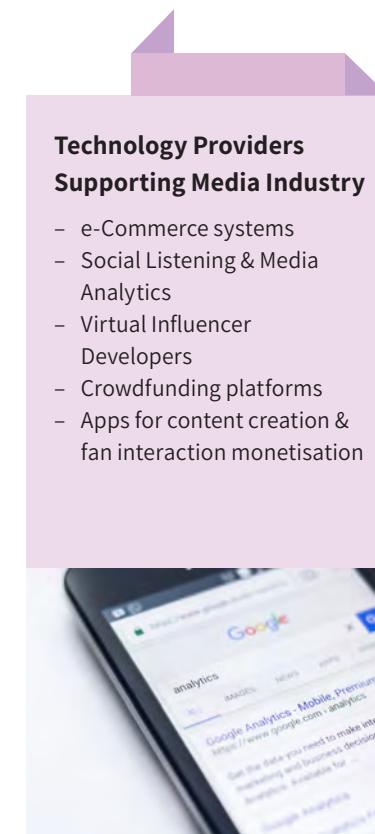
With the acceleration in digital media consumption, AI content generation and the emergence of new media platforms, the media landscape has never been this exciting. From media platform owners, content creators, and influencers, to technology providers supporting the media industry, there is growing demand for talent who have the skill sets to tell compelling stories. Our focus on equipping you with multi-platform media competencies means you will have diverse career options – and an edge in the media world of the future!

THE NEW MEDIA DOMAIN



Media Platforms

- Social content streaming services
- App stores
- Creative talent & idea crowdsourcing platforms
- Digital Advertising



Technology Providers Supporting Media Industry

- e-Commerce systems
- Social Listening & Media Analytics
- Virtual Influencer Developers
- Crowdfunding platforms
- Apps for content creation & fan interaction monetisation



Social Media Influencers/ Content Creators

- Online Creators Network
- Entertainment
- Podcasts
- Gaming/e-Sports



From social media, news sites, podcasts and films, to projection mapping on buildings, FMS will open your world to the wide spectrum of skills every next-generation media practitioner should have. Our courses will build your core media skills, enabling you to become a multi-platform media professional who can competently traverse across different media sectors to seize new opportunities.

Common Media Programme (N14)

Want to try out different media disciplines before deciding on one? Dive headlong into the world of media with modules in communications, video production and motion graphics, as well as foundation modules in media writing and storytelling, and get an introduction to the various media disciplines you can specialise in later.

Film, Sound & Video (N82)

Come to the home of serious filmmakers and join the ranks of our students, alumni and lecturers who have won accolades at many international and local film festivals and competitions.

Mass Communication (N67)

The most established mass communication course with the largest network of successful media alumni in diverse fields, including integrated agency top honchos, news editors, communication specialists, and radio and TV personalities.

Media Post-Production (N13)

The only poly diploma that focuses on projection mapping, virtual production and technical theatre to equip graduates with in-demand digital skills for careers in the creative media and event industries of the future.

WHY CHOOSE FMS

The original media school since 1989, highly regarded by industry.

Home of Singapore's largest media alumni network making an impact in the industry.

Industry-standard facilities including the latest M:idea Playground immersive learning space.

Industry expertise in training next-gen multi-platform media professionals.



M:idea Playground

Learn through play at FMS' new M:idea Playground! This experimental space allows you to take your imagination to the next level. Here, you will get to explore innovative content formats such as immersive content for projection mapping and dynamic visual displays for the growing live entertainment industries; as well as cutting-edge virtual production technologies that combine physical and virtual filmmaking techniques used in Hollywood blockbusters!





THE FMS COMMUNITY

As the media school with the longest history in Singapore, FMS is proud of our league of illustrious alumni. Some of these alumni include:



ANTHONY CHEN

Award-winning
Film Director
(*Ilo Ilo*, *Wet Season*,
The Breaking Ice)



YE O SIEW HUA

Award-winning
Film Director
(*A Land Imagined*)



SONIA CHEW

Presenter & Digital
Creative,
Mediacorp 987FM DJ
Chief Transformation
Officer, Southeast Asia &
Chief Executive Officer,
Media & Digital, Singapore,
Publicis Groupe



IAN LOON

Chief Transformation
Officer, Southeast Asia &
Chief Executive Officer,
Media & Digital, Singapore,
Publicis Groupe



DELICIA TAN

CEO,
Edelman Hong Kong
and the Greater Bay Area



DAWN LEE

Head of Brand Marketing,
Japan & Asia Pacific,
Google Cloud



STEPHANIE GWEE

Creative Director,
Wunderman Thompson
Melbourne



MARY-ANN RUSSON

Freelance Technology
and Science Journalist



WESLEY GUNTER

Account Director,
Team Lewis



JANICE CHUA

Vice President, International
Development and
Production,
Imagine Entertainment
& Television



ROGER LEE

Lighting Supervisor &
Director of Cinematography,
Walt Disney Animation
Studios



CHERYL OU

Founder,
The Social Space



JIAN YANG

Managing Partner and
Head of Strategy, Distilleri



LUDWIG TAN

Associate Professor
& Dean,
Singapore University of
Social Sciences



DANIEL SEET

Deputy Commissioner
(Ops & Resilience), Singapore
Civil Defence Force



TERRENCE VOON

Executive Director,
Southeast Asia,
Singapore Tourism Board



DEGREES AHEAD

Many local and overseas universities grant FMS graduates significant advanced standing. A number of our graduates have earned undergraduate degrees from University of Melbourne, University of Queensland and RMIT in Australia; Northumbria University and University of Sunderland in the UK, as well as NYU in the US. Some have gone on to pursue postgraduate degrees from world-class universities such as Cambridge in the UK; and Columbia, Stanford and University of Southern California in the US.



RICH INDUSTRY LEARNING

Throughout your three years, you will get to learn from and network with industry experts through masterclasses and off-campus classes. You may even gain exclusive invitations to industry events, screenings and dialogue sessions with cast and crew. At FMS, you'll get to work with some of our renowned partners, where you will deepen your exposure to the media industry and build a winning portfolio. They include:

- AsiaOne Online Pte Ltd
- AUX Media Group
- Big 3 Media
- Business News (Asia)
- Changi Airport Group
- CapitaLand Investment Limited
- CNBC (NBCUniversal Asia Pacific)
- GERMS Digital
- Hashtag Interactive
- JTC Corporation
- Marina Bay Sands Pte Ltd
- Mediacorp
- National Youth Council
- SGAG Media
- So Drama Entertainment
- SPH Media
- Singapore Space and Technology Ltd
- The Esplanade
- Uniqlo Singapore
- United International Pictures
- Universal Music



FUTURE-PROOF YOUR LEARNING

FMS has inked exclusive partnerships with leading companies to co-develop curriculum and prepare you for the evolving media landscape. Look forward to creating films using the latest virtual production technologies from AUX Media Group and developing mixed reality content with state-of-the-art software tools from international technology company Pixotope!



BROADEN YOUR HORIZONS

Embark on exciting overseas study trips to media meccas, overseas immersion programmes to foreign universities, overseas internships across Southeast Asia, and Service-Learning trips in the region.

WHAT INDUSTRY SAYS

"By working with Ngee Ann Polytechnic to deliver courses that are core to the current and future needs of the media sector, I am confident that we will build a strong pipeline of industry-ready graduates with the right skill sets to enter and excel in the broader media ecosystem, including fulfilling careers at Mediacorp."

THAM LOKE KHENG
CEO
Mediacorp

"I am always impressed by the FSV students who intern with us. Besides having the skills that allow them to hit the ground running, they are attuned to the latest trends and developments in the media landscape, often injecting fresh perspectives into the creative process."

KEVIN NG
Managing Director
Vicinity Studio

"The students whom I worked with really exceeded expectations by constantly going out of their comfort zones to produce very interesting and high-quality podcasts. They showed maturity and courage in tackling challenging topics ranging from relationship abuse to the changes in society, and demonstrated keen understanding of the assignments."

NADIRAH ZAIDI
CNA938 Senior Producer
Mediacorp

"As the pioneer in Extended Reality (XR) and In-Camera Visual Effects (ICVFX) for virtual production, we have seen leaps and bounds in the technology. There is no better time than now to promote and train future talents in this new technology. Virtual production will be a pillar in the next decade for not just the filmmaking sector but the entire broadcast, media and entertainment industries. Together with NP, we are excited to grow the virtual production industry for the next generation."

CHOON CHYI KEI
CEO
AUX Media Group

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 Media Programme

Get latest updates on course



- ▶ **Gateway to one of 3 exciting diplomas** whose graduates continue to impact the media industry
- ▶ Gain emerging skills and competencies that enable you to be a multi-platform media practitioner
- ▶ **No exams** – Work on projects that will enhance your portfolio
- ▶ Secure a place in **Singapore's original media school** through this unique programme!

WHAT THE COURSE IS ABOUT

Want to try out different media disciplines before deciding on one? Join the Common Media Programme offered by Singapore's original media school, established since 1989!

Right from your first semester, learn the fundamentals of transmedia storytelling by taking modules such as Media Writing & Storytelling and Introduction to Film & Media, as well as 'taster' modules that will introduce you to the various media disciplines you can specialise in later. You will gain skills in using emerging technologies for content creation across multiple platforms. You will also discover your strengths,

aspirations and career goals through the Career & Professional Preparation module. All this will prepare you to be a multi-hyphenate media professional to seize many exciting opportunities!

What's more, there will be no exams in this course – only projects that can be used for your portfolio.

At the end of your first semester, you can choose one of our 3 exciting diplomas: **Mass Communication**, **Film**, **Sound & Video** or **Media Post-Production**. All our media diplomas are designed to provide industry-relevant and real-world learning via internships and industry projects.

HIGHLIGHTS OF CMP

Become a multi-platform media practitioner with our CMP!



WHAT YOU WILL LEARN

YEAR 1

- Integrated Marketing Communications
- Introduction to Film & Media
- Media Writing & Storytelling
- Motion Graphics
- Video Production
- Career & Professional Preparation I
- Exploring Contemporary Issues[^]
- English Language Express^{^*}
- Health & Wellness[^]
- Innovation Made Possible^{^*}
- Modules under the FMS diploma you major in

YEAR 2

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

YEAR 3

- Modules under the FMS 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.

^{*} 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

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-A

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

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

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

Students opting to be streamed into the Diploma in Mass Communication must obtain grade 1 to 4 for O-level English Language.

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

Candidates with severe vision deficiency, colour vision deficiency or hearing deficiency may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP's Common Media Programme, log on to www.np.edu.sg/cmp

DIPLOMA IN Film, Sound & Video

Get latest updates on course



- ▶ Pay homage to the art of filmmaking at **Singapore's most established filmmaking course!**
- ▶ Join the league of our illustrious and award-winning alumni and lecturers
- ▶ Attend masterclasses and workshops by world-renowned filmmakers and industry experts
- ▶ Learn in top-notch industry-standard facilities that inspire you to build a winning portfolio

WHAT THE COURSE IS ABOUT

How many of us spend hours engrossed in the stories of others in movies, TV shows and online channels such as YouTube, Netflix and Disney+? Master the craft of creating stories that captivate and resonate with your audience with our Diploma in Film, Sound & Video (FSV).

By stretching your imagination and bringing your work to life using the latest technology, FSV gives you a strong foundation in the artistic and technical aspects of filmmaking. You will get to create your own short film masterpiece, embark on an internship in the film and media industry, and complete a capstone project. Through our rigorous curriculum, you'll be more than ready to hit the ground running in this industry, locally or abroad. You will also be able to branch into commercial video production, a growing field thanks to the rise in digital media consumption in the new media landscape.

The Art of Filmmaking

Hone the art and craft of filmmaking in areas like scriptwriting, sound, cinematography, motion graphics and post-production. You will also get to build your theoretical foundation by learning from the masters of cinema in our cinema studies classes.

Your technical skills will be sharpened through hands-on exposure to the latest industry-standard equipment including HD digital cameras and established post-production tools such as Premiere Pro, ProTools and DaVinci Resolve. Plus, you will be working in top-notch facilities such as a film sound stage and a full HD television studio.

Local & Overseas Project Opportunities

FSV graduates have been hired for exciting projects in the local and overseas film and media industry, from local productions such as *Ah Boys to Men* to wide release films such as *Crazy Rich Asians* and *Star Wars: The Last Jedi*. They attest to the high impact of their FSV training and exposure.



"FSV gave me the tools to transform thoughts and ideas into moving images, which was exhilarating for a wide-eyed teenager who had just graduated from secondary school. We watched movies, learned from them and then picked up the camera and made our own! It's not only a school to receive an education; it's a place where dreams can be realised."

JANICE CHUA
Film, Sound & Video graduate,
Class of 2008

Janice is currently the Vice-President for International Development and Production at Imagine Entertainment, a Los Angeles-based film and television production company founded by famed director Ron Howard and producer Brian Grazer. She was also the Associate Producer of the box office sensation, *Crazy Rich Asians* (2018).

Check out some of the fantastic works our FSV grads have created here!



Internationally Acclaimed Alumni

FSV filmmakers continue to put Singapore cinema on the world map. In 2013, Anthony Chen's *Ilo Ilo* won a string of awards including the Caméra d'Or at Cannes Film Festival, Best Film at Taipei's Golden Horse Awards and Best Director at the Mumbai International Film Festival. In 2016, Boo Junfeng took home the Rising Director Award for his critically acclaimed *Apprentice* at the Busan International Film Festival. In 2018, Yeo Siew Hua's *A Land Imagined* snagged the coveted Golden Leopard at the Locarno International Film Festival in Switzerland.

There is no doubt that FSV graduates also shape the film industry with their passion and talent behind the scenes. Lim Ting Li, winner of Singapore's Young Artist Award, is an accomplished sound designer who has worked on sound design for numerous international commercial and arthouse feature films. Momo Film Co., founded by FSV alumna Tan Si En and Kris Ong, is lauded for producing high-quality drama with a uniquely Asian flavour that has gained an international following. Denise Teo, aka supercatkei, is a top streamer on the Amazon-owned Twitch livestreaming platform.

30 YEARS OF NURTURING FILM TALENT

Established in 1993, FSV has been the hothouse for film directors whose works have been screened at top international film festivals. Committed to telling impactful stories, our alumni have also made waves on the global stage in diverse areas.

Meet our award-winning film directors and acclaimed talents!



ANTHONY CHEN
(*Ilo Ilo*, *Wet Season*,
Breaking Ice)



KRIS ONG
Co-founder, Momo Film Co



YEO SIEW HUA
(*A Land Imagined*)



TAN SI EN
Co-founder, Momo Film Co



BOO JUNFENG
(*Apprentice*)



LIM TING LI
Sound Designer & Winner of
Singapore's Young Artist Award

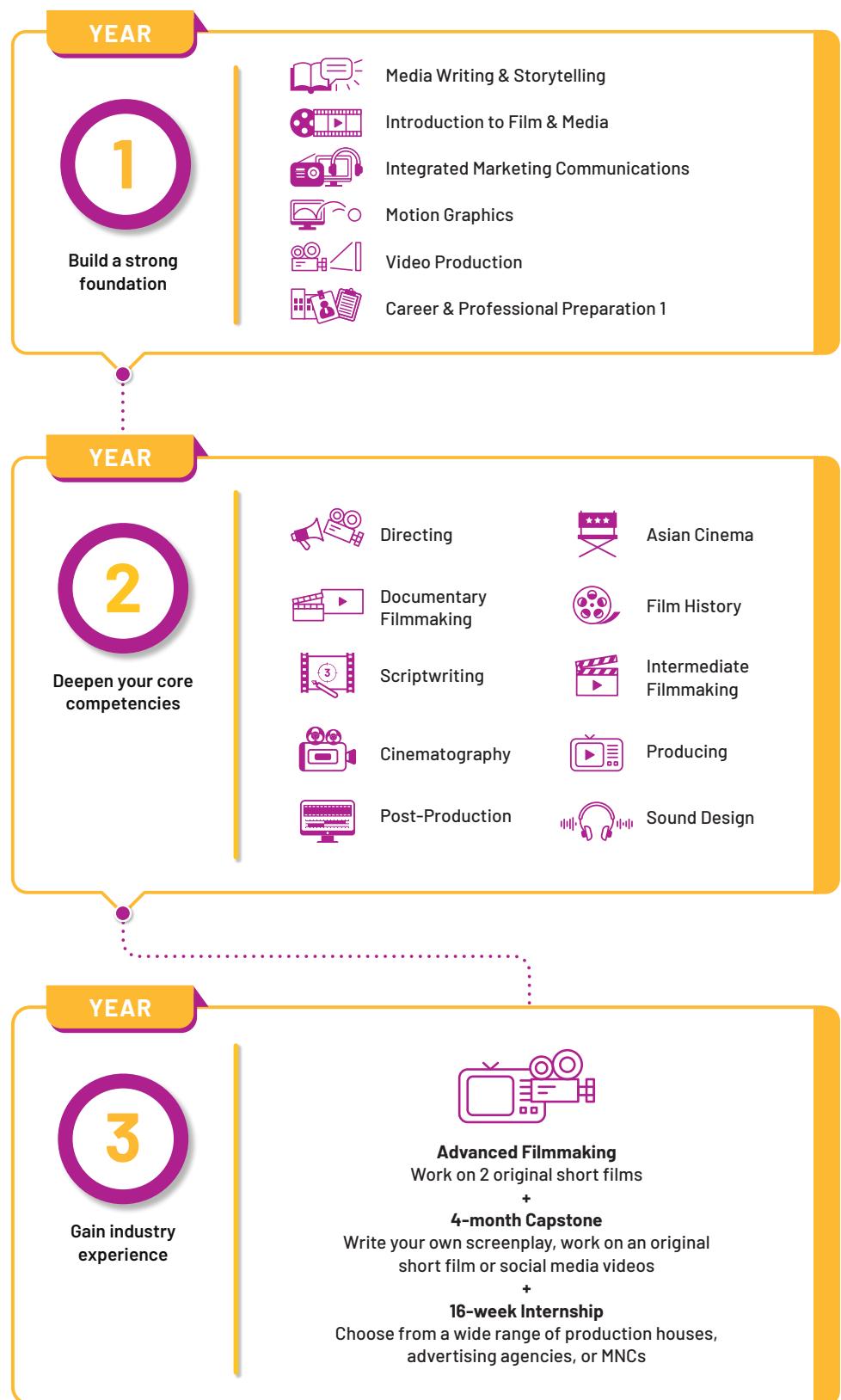


M. RAIHAN HALIM
Creative Director,
Papahan Films



DENISE TEO
Top streamer on Twitch

OVERVIEW OF YOUR FSV JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Audio Technology
- Editing
- Integrated Marketing Communications
- Introduction to Film & Media
- Media Writing & Storytelling
- Motion Graphics
- Photography
- TV Production
- Video Production
- Career & Professional Preparation I
- Health & Wellness[^]
- Innovation Made Possible[^]
- Exploring Contemporary Issues[^]
- English Language Express^{^*}

YEAR 2

- Asian Cinema
- Cinematography
- Directing
- Documentary Filmmaking
- Film History
- Intermediate Filmmaking
- Post-Production
- Producing
- Scriptwriting
- Sound Design
- Career & Professional Preparation II
- World Issues: A Singapore Perspective[^]

YEAR 3

- Advanced Filmmaking
- Capstone Project
- 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 will enjoy advanced standing for degree programmes at top film and media schools, both locally and abroad. Many FSV graduates have also received scholarships and bursaries from the National Arts Council, Singapore Film Commission and the Infocomm Media Development Authority to pursue further studies at National University of Singapore, Nanyang Technological University, Stanford University (US), University of Cambridge and the National Film & Television School (UK).



WOO WAN FONG
Film, Sound & Video graduate,
Class of 2012

Wan Fong graduated from the University of Cambridge in Politics, Psychology & Sociology (First Class Honours) on a Public Service Commission Scholarship. She is now an Assistant Director at the National Youth Council's Partnership Lab.

CAREER

Your portfolio, experience and skills pave the way for you to carve out your own career pathway in the film and media industry. Or you can use the skills that you acquire to take on careers across different fields. You can look forward to pursuing careers in these job roles:

- Content Developer
- Cinematographer
- Director
- Editor
- Gaffer
- Location Manager
- Location Sound Recordist
- Motion Graphics Designer
- Post-Production Supervisor
- Producer
- Production Designer
- Production Manager
- Sound Designer
- Scriptwriter

ENTRY REQUIREMENTS**Aggregate Type ELR2B2-A**

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

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

You must also fulfil the aggregate computation requirements for the ELR2B2-A 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 severe vision or hearing deficiency may encounter difficulties meeting the course requirements and expectations. Those with colour vision deficiency are required to declare this condition at enrolment, as certain modules require colour recognition.

CONTACT US

For the most up-to-date information on NP's Diploma in Film, Sound & Video, log on to www.np.edu.sg/fsv

DIPLOMA IN**Mass Communication**

Get latest updates on course



- The first and **most established media course** in Singapore that is highly regarded by the industry
- Broad-based curriculum with real-world exposure that trains you to become **versatile multi-platform media practitioners**
- **Largest network of successful media alumni** both locally and overseas, opening doors to exciting internships and exclusive mentorship opportunities
- Get career-ready through an immersive learning environment featuring **industry-standard facilities**

WHAT THE COURSE IS ABOUT

A compelling narrative has the power to impact lives. Bring light to important topics, develop the big idea to effect change, and shape the way your community thinks, all with the skills you will pick up in the most established and well-loved media course in Singapore – the Diploma in Mass Communication (MCM).

With a comprehensive curriculum that includes digital content creation, journalism, integrated communications, advertising, public relations, radio, TV and social media, you will learn how to effectively use all media platforms and deepen your skills in a specific area at the same time.

Comprehensive Curriculum

You will acquire a suite of fundamental media skills in your first year, laying a strong foundation for you as you hone your skill sets in digital journalism and marketing, content marketing, market research and user experience design in the following year. You will develop your skills in top-notch purpose-built facilities that include TV and radio studios, and media labs.

Industry-relevant Learning

Our strong connections with the media industry open doors to a wide range of unique learning opportunities that will help you build an outstanding portfolio. You will work on industry-sponsored projects where you get to integrate your skills and knowledge to solve business challenges for real clients, and attend masterclasses and workshops by industry experts that give you insights into the latest media trends. Through internships at dynamic media companies and capstone projects from our in-house units such as Radio Heatwave and Writer's Room, you will get career-ready for the fast-evolving media industry.

Overseas Exposure

You may also get to go on an exciting overseas internship where you will gain exposure to regional and international media developments and work with top talents from all over the world.

Check out some of the interesting projects that our MCM students are involved in!



"Content is king, and MCM rules! More than 20 years after graduation, I still benefit from the disciplines of content creation that I learnt in classes. The skills and techniques taught there are especially relevant in today's digital age. With proper content, I get to push for real change through my television and film works. I am a better storyteller because of MCM."

REMI M SALI

**Mass Communication graduate,
Class of 1995**

Co-founder & Producer, Studio59 Concepts

Partnerships



Join our League of Illustrious Alumni

As the most established media school in Singapore, we have the biggest network of alumni, many of whom have become top honchos in media agencies, successful communication practitioners and well-known media personalities.



IAN LOON

Chief Transformation Officer, Southeast Asia & Chief Executive Officer, Media & Digital, Singapore, Publicis Groupe



DELICIA TAN

Chief Executive Officer for Hong Kong & Greater Bay Area, Edelman



DAWN LEE

Head of Brand Marketing, Japan & Asia Pacific, Google Cloud



DR SAMUEL WONG

Creative Director of TENG Ensemble



NOEL HIDALGO TAN

Senior Specialist in Archaeology, SEAMEO Regional Centre for Archaeology & Fine Arts (Thailand)



LYNN TAN

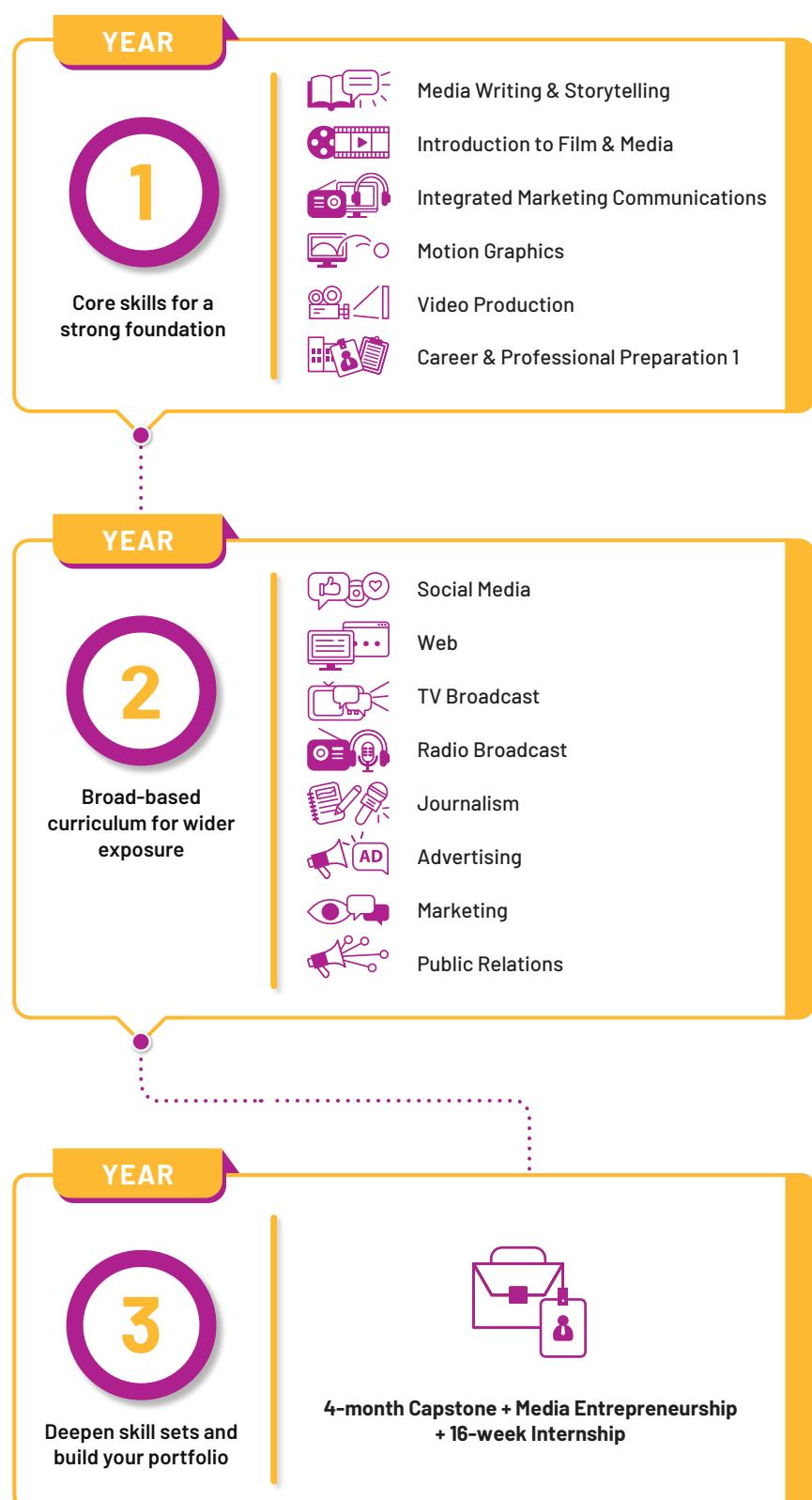
Founder & Chief Executive Officer of The Powder Shampoo



VANNESZA AND JOEY LEE

Founders of A Poke Theory and Alter Ego dining establishments

OVERVIEW OF YOUR MCM JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Advertising
- Fundamentals of Reporting
- Integrated Marketing Communications
- Introduction to Film & Media
- Media Writing & Storytelling
- Motion Graphics
- Public Relations
- Radio Production 1
- Video Production
- Visual Communication
- Career & Professional Preparation I
- Health & Wellness[^]
- Exploring Contemporary Issues[^]
- English Language Express^{^*}

YEAR 2

- Contemporary Media Issues
- Content Marketing
- Digital Journalism
- Digital Marketing & Analytics
- Feature Writing
- Interaction Design
- Radio Production 2
- Studio Production
- User Experience Design
- Career & Professional Preparation II
- World Issues: A Singapore Perspective[^]

YEAR 3

- Media Entrepreneurship
- Capstone Project
- Internship
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in communication 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

With a broad-based MCM diploma, you can pursue degrees in many fields such as arts and social sciences, business, media and communications, design, journalism, public relations and psychology. All local and many top foreign universities, including University of Melbourne, offer our graduates credit exemption for related degrees.

The following are just a few of our many graduates who have secured scholarships for their university education:

COLIN CHAN
Mass Communication graduate, Class of 2017

SG:D Scholarship by the Infocomm Media Development Authority
Currently studying interaction design at the California College of the Arts

DENYSE TAN
Mass Communication graduate, Class of 2020

Enterprise Singapore Global Executive Scholarship. Studying Philosophy, Politics and Economics at Yale-NUS College.

CAREER

Specialists in media and communications are highly sought after at the workplace today, where the effective communication of one's brand is essential for success. With well-rounded skill sets acquired through the MCM course, you can look forward to pursuing careers in these roles in the media and communications industry upon graduation:

- Advertising Executive
- Content Producer
- Corporate Communications Executive
- Journalist
- Marketing Communications Specialist
- Producer
- Presenter
- Public Relations Specialist
- Research Executive
- Social Media Content Specialist
- Sub-Editor
- UI/UX Designer
- UX Writer



MERISSA JANE LEE
Mass Communication graduate, Class of 2011

Graduated from the University of Southern California School of Cinematic Arts
Hollywood-based Producer & Assistant Director who worked on *Crazy Rich Asians* and *In The Heights*



GERMAINE TAN
Mass Communication graduate, Class of 2015

Producer-Presenter at Mediacorp 987FM and lifestyle influencer

ENTRY REQUIREMENTS**Aggregate Type ELR2B2-A**

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

Subject	'O' level grade
English Language	1-4
Mathematics (Elementary/Additional)	1-7
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-6

You must also fulfil the aggregate computation requirements for the ELR2B2-A 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 Mass Communication, log on to www.np.edu.sg/mcm

DIPLOMA IN**Media Post-Production**

Get latest updates on course



- The only poly diploma that covers **projection mapping, virtual production and technical theatre** to produce creative work for digital screen and live stage
- Be future-ready with **in-demand digital competencies** through our training in the latest technology, digital tools and industry trends
- Gain **real-world experience** with opportunities to work on mega live or virtual shows
- Create mind-blowing visual displays and mixed reality content at **M:idea Playground**, our latest on-campus media facility designed for immersive learning

WHAT THE COURSE IS ABOUT

Want to put together larger-than-life interactive digital installations at the ArtScience Museum? Or work on producing light art installations and multimedia shows at events such as the Singapore Night Festival and iLight Singapore? You could very well do so, when you join the Diploma in Media Post-Production (MPP).

From pacing to music and scene transitions, post-production is essential in weaving images and sound together to propel the story, engage the audience and create a multisensory experience. Through MPP, you will learn cutting-edge techniques to shape, craft and enhance stories through sound, images and text. You will also learn to design, plan and manage live or virtual shows and events.

The Best of Post-production and Technical Theatre

You will be introduced to the fundamentals of post-production, including creating and editing motion graphics, audio and video, as well as studio multi-camera production. You will also learn storytelling techniques and design principles, and hone your skills in immersive content development within the fields of arts and technology.

Thanks to our partnership with The Star Performing Arts Centre, you will gain access to a large-scale technical theatre to master the art of weaving technology and art with lighting, sound, props and costumes for live events. In addition, you will learn to use various projection technologies to project your work on stage and in an immersive environment. All of these will prepare you to become a creative technologist, a role that is increasingly in demand.

Industry-relevant Learning

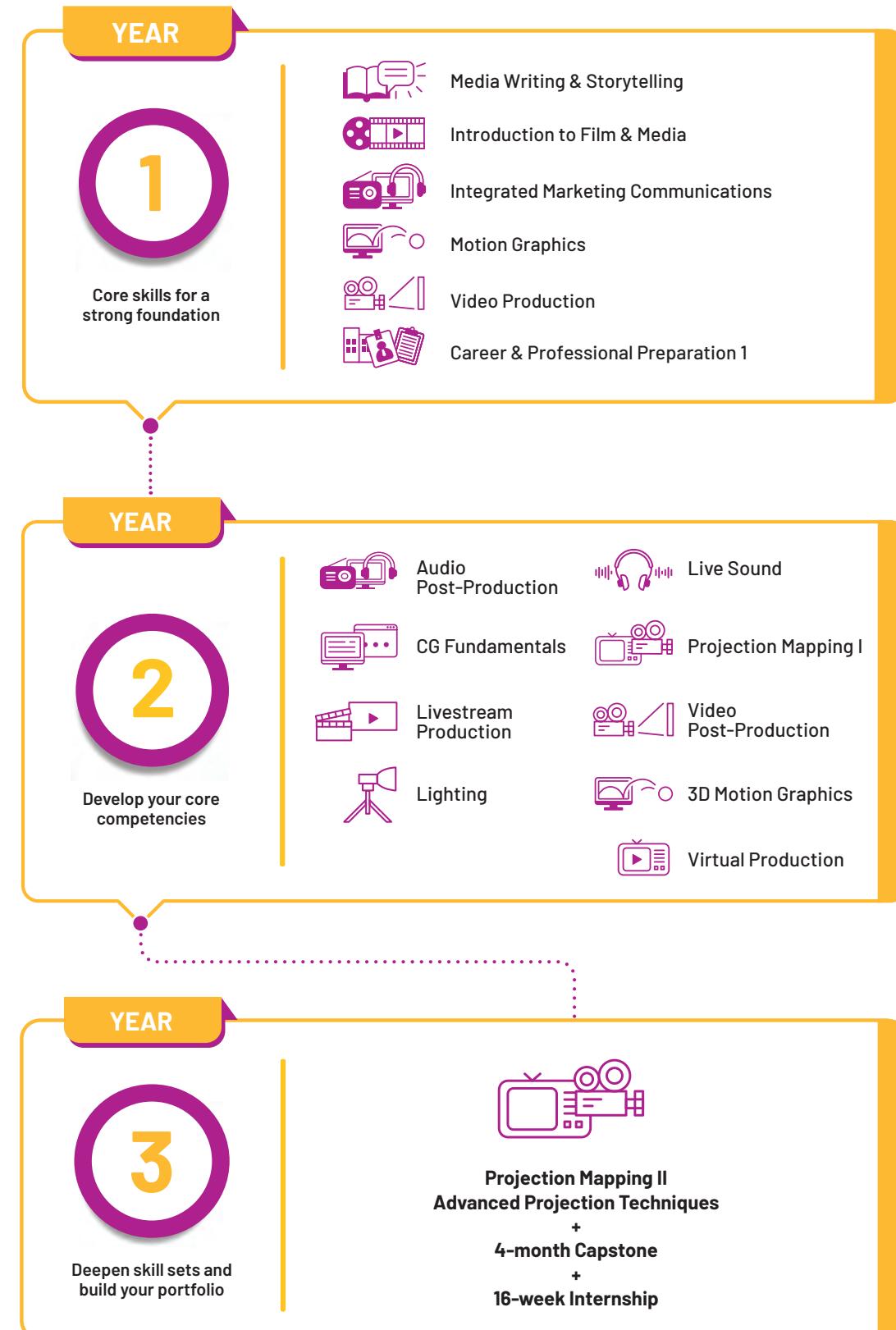
For your capstone project, you will get to work on projection mapping, “live” stage and virtual production projects sponsored by the biggest names in the industry such as AUX Media Group, Pixotope, Marina Bay Sands, and National Heritage Board. Furthermore, you will get to deepen your skill sets during your 16-week internship, during which you will develop an outstanding portfolio and build your professional network.



ENLIVENING NDP 2023 THROUGH ANIMATION

Final-year MPP student Hussein Haiqal Riduan had the golden opportunity to take part in the nation's biggest celebration as an animator in the NDP multimedia committee. Through this unique industry project, he worked with directors to bring their vision to life using animation. His animations included an orchid, a galaxy for the chapter title, and shape formations for the Military Tattoo segment. Haiqal is thrilled that the graphics he created enhanced the live performances and gave spectators at the Padang and at home a visual feast!

OVERVIEW OF YOUR MPP JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Audio Production
- Integrated Marketing Communications
- Introduction to Film & Media
- Introduction to Production Management
- Media Writing & Storytelling
- Motion Graphics
- Post-Production Fundamentals
- Studio Production
- Video Production
- Career & Professional Preparation I
- Health & Wellness[^]
- Innovation Made Possible[^]
- Exploring Contemporary Issues[^]
- English Language Express^{**}

YEAR 2

- 3D Motion Graphics
- Audio Post-Production
- CG Fundamentals
- Virtual Production
- Lighting
- Live Sound
- Livestream Production
- Location Multi-Cam Production
- Projection Mapping I
- Video Post-Production
- Career & Professional Preparation II
- World Issues: A Singapore Perspective[^]

YEAR 3

- Projection Mapping II
- Capstone Project
- 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 will enjoy generous advanced standing for some degree programmes at local or overseas universities. For example, the Queensland University of Technology offers FMS graduates 18-month advanced standing for its Bachelor of Fine Arts programme. With your diploma, you may also apply to many programmes in the local universities.



“MPP has taught me many important skills, such as video production and storytelling techniques, that can be applied in the media industry. For example, I was able to apply my skills while working on my capstone project for the Singapore Night Festival 2022. It was an eye-opening experience, as it gave us a taste of what it would be like to work with real-life clients.”

HAN EN YU
Media Post-Production graduate,
Class of 2023

En Yu is now working part-time at Mocha Chai Laboratories, a boutique film company and post-production house.

CAREER

With the increasing demand for multi-skilled visual effects producers, you will be able to find employment in the media post-production, live stage show, Meetings, Incentives, Conferences and Exhibitions (MICE), as well as the arts and entertainment industries. These roles include:

- 2D/3D Artist
- Assistant Designer
- Assistant Producer
- Camera Operator
- Events Crew
- Floor Manager
- Junior Animator
- Junior Graphics Designer
- Lighting Specialist
- Motion Graphics Artist
- Post-Production Assistant
- Production Assistant
- Stage Crew Technician
- Sound Designer
- Sound Editor
- Sound Recordist
- Video Editor
- Vision Mixer
- Brain Bar (Unreal Artists)
- Virtual Production Supervisor

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-A

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

Subject	‘O’ level grade
English Language	1-6
Mathematics (Elementary/Additional)	1-7
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-6

You must also fulfil the aggregate computation requirements for the ELR2B2-A 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 severe vision deficiency, colour vision deficiency and hearing deficiency may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP’s Diploma in Media Post-Production, log on to www.np.edu.sg/mpp

ORDINARY PEOPLE, XTRAORDINARY STORIES



DYNAMITE DUO

FSV alumnae Kris Ong and Tan Si En were featured under The Straits Times '30 under 30 – Arts List' in 2020 for founding Momo Film Co, a film and TV company that specialises in Asian stories for an international audience. Writer-director Kris Ong had her short films *Sunday* and *You Idiot* screened at over 30 international film festivals. She won Best Screenplay, Best Cinematography and Best Live Action for *Sunday* in the Open Youth Category at the National Youth Film Awards 2020. Tan Si En's achievements include producing fellow FSV alumnus Anthony Chen's *Wet Season*, which went on to receive 12 international awards including the prestigious Golden Horse Award; and *Dreaming & Dying*, which won two awards at the esteemed Locarno Film Festival in 2023.



TAKING THE LEAP

Hospitalised for Tourette Syndrome before his A-levels, Samuel Lim took a leap of faith and pivoted from his studies in JC to enrol in NP's Mass Communication course. Passionate about video editing and social media content creation, he discovered a love for photography at FMS. After excelling in his internship with Changi Airport Group, Samuel was offered a freelance position in the Corporate and Marketing Communications division.



SPEAKING UP

It's easy to recognise Sonia Chew by her crystal-clear voice and bubbly personality. A staple on Mediacorp radio station 987FM, Sonia shot to fame after winning the station's 987 Radio Star competition during her final year in NP. Other FMS alum who are radio veterans include Justin Ang, Jean Danker and Vernetta Lopez.



BRANDING EXPERT

With more than two decades of marketing experience under her belt, Mass Communication graduate Clara Lee is passionate about creating strong brand value propositions. Her interest in marketing began when she worked at OgilvyOne. She subsequently became the Head of Brand at Nokia Technologies and is currently the Vice-President of Brand at Neste, Finland.



OVERCOMING ODDS

Mass Communication graduate Teo Zi Lin epitomises the can-do spirit of FMS. She turned her hearing disability into an advantage by removing her hearing aids to focus better while studying. It worked – she emerged valedictorian and top graduate for the Class of 2015 and received both job and university offers. She was awarded the Asia Pacific Breweries (APB) Foundation Scholarship for Persons with Disabilities and now works as a business and integration architecture senior analyst at Accenture.



CARVING HER NICHE

Known as supercatkei on the internet, Film, Sound & Video graduate Denise Teo is one of Singapore and Southeast Asia's most promising live streamers. Since her first Twitch stream in August 2020, she has amassed a huge following and has collaborated with organisations such as *SCAPE, Razer, RIOT Games, Blizzard, FRANK by OCBC and the National Environment Agency. A self-professed "variety streamer", Denise's streams touch on topics ranging from gaming to music, and even mental health issues. She also mentors the next generation of aspiring live streamers and organises events for the live streaming community.

ORDINARY PEOPLE, XTRAORDINARY STORIES



BREAKING INTO CHINA

Mass Communication graduate Selwyn Low packed his bags for China and has never looked back since. One of his career highlights was being involved in the production of a highly anticipated Chinese New Year film that was entirely shot on iPhone. Over the course of his career, his work has been recognised by international shows like Cannes Lions, D&AD, One Show, Spikes Asia and more. As the Creative Director at The Coca-Cola Company in China, Selwyn was also ranked as one of the top 25 creatives in China by industry magazine Campaign Brief Asia.



YES, WE CANNES!

Film, Sound & Video graduate Anthony Chen blazed the trail by winning the prestigious Camera d'Or at the 2013 Cannes Film Festival for *Ilo Ilo*, making it the first Singaporean feature film to take home an award at the festival. The following year, he was named one of Variety magazine's '10 Directors to Watch'. His most recent work, *The Breaking Ice*, was nominated to be Singapore's submission to the 2024 Oscars in the Best International Feature Film category.



AWARD-WINNING STORYTELLER

Film, Sound & Video graduate M. Raihan Halim's television career took off with two Golden Pen Awards at the MDA: National Scriptwriting Competition in 2005 and 2007. He gained recognition for his award-winning dramas, with his telemovie *Yazid Wears Diapers* securing the Best Special Drama locally, and *Big Time in Little Street* earning a nomination at the 2010 Asian Television Awards. He ventured into feature films, screening *Banting* at the 34th Hawaii International Film Festival in 2014 and premiering *La Luna* at the Tokyo International Film Festival in 2023. Raihan is also the co-founder of Papahan Films.

535 Clementi Road Singapore 599489

Admissions Hotline: 6463 1233

askNP@np.edu.sg

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

SCHOOL OF

HUMANITIES & SOCIAL SCIENCES

- ▶ Arts Business Management
Revamped
- ▶ Chinese Media & Communication
Revamped
- ▶ Chinese Studies
Revamped
- ▶ Psychology & Community Development
Revamped
- ▶ Early Childhood Development & Education
- ▶ Tamil Studies with Early Education





h m s

Think People

You have a sense of empathy and a deep desire to build a better community through advocacy, education or culture. You're interested in what makes people tick, and fascinated by human behaviour and psychology. Here at the School of Humanities & Social Sciences (HMS), you will learn to reach out to others, inspire them, and enrich their lives.

5 Arts Business Management (N91) Revamped

10 Chinese Media & Communication (N88) Revamped

15 Chinese Studies (N70) Revamped

21 Psychology & Community Development (N11) Revamped

25 Early Childhood Development & Education (N96)

29 Tamil Studies with Early Education (N95)

6 DIPLOMAS THAT MAKE A DIFFERENCE

Not all heroes wear capes — the six diplomas by HMS aim to develop the young changemaker in you by opening doors to diverse disciplines in humanities and social sciences. There's also a Service-Learning component in every diploma to make learning more engaging and purposeful — you'll discover that what you've learnt can make an impact on society!

CONNECTING PEOPLE AND ART

Arts Business Management (N91) Revamped

An innovative diploma that is anchored in the creative arts and heritage while also exposing you to the business management aspect of the industry. Gain real-world experience and collaborate with arts and heritage professionals to organise Verve, an arts festival.

INSPIRING SOCIAL CHANGE

Psychology & Community Development (N11) Revamped

Explore how psychology concepts can empower you to shape social changes and create real impact for communities through this revamped diploma. In addition, you will get to specialise in one of three areas – Youth, Seniors or Disabilities – to prepare you for meaningful careers in the growing care economy.

EXPERTISE IN CHINESE

Chinese Media & Communication (N88) Revamped

A bilingual media course that aims to nurture next-gen media professionals skilled in both traditional and digital media content creation. You will also be trained to write for publications and design user interfaces, and hone your media skills through collaborative projects with industry partners.

Chinese Studies (N70) Revamped

Gain a deep appreciation for the Chinese language and culture, along with an opportunity to choose between two exciting specialisations.

• Education:

- Trains you to become a Chinese Language primary school teacher.

• Business:

- Prepares you for careers in Chinese business communication and practice, professional translation, as well as the heritage and tourism industries.

NURTURING YOUNG MINDS

Early Childhood Development & Education (N96)

Got a big heart to shape little minds? This diploma helps you build a strong foundation in understanding child development, early childhood care and education for infants and young children. It is conducted by the National Institute of Early Childhood Development (NIEC) in collaboration with NP at the NIEC (NP) campus, and is recognised by the Early Childhood Development Agency (ECDA).

Tamil Studies with Early Education (N95)

A unique diploma centred around the rich Tamil language and culture that prepares you to be a qualified Tamil Mother Tongue Language preschool educator. The diploma is conducted by the National Institute of Early Childhood Development (NIEC) in collaboration with NP at the NIEC (NP) campus, and is recognised by the Early Childhood Development Agency (ECDA).

WHY CHOOSE HMS



INDUSTRY-RELEVANT LEARNING

Get the most out of your three years at HMS through rich internships and field projects with industry partners such as:

- Arts House Limited
- Deloitte
- Mediacorp
- Metropolitan YCMA
- Ministry of Social & Family Development
- MOE Kindergartens
- National Heritage Board
- Our Grandfather Story
- PCF Sparkletots
- Singapore Art Museum
- Singapore National Cooperative Federation
- SPH Media
- Trybe
- United Overseas Bank



SCHOOL WITH A HEART

Want to give back to the community? At HMS, you can start projects that meet real needs, and work with partners and the community to bring your ideas to life through our social impact accelerator, The Living Community. Here, you can gain access to seed funding, industry sponsorships and industry mentorship to kickstart your very own social initiative.



NURTURING SOCIAL CONNECTORS

Acquire the skills needed to foster social cohesion and build inclusivity through our revamped Year 3 curriculum*. From a one-year internship, six-month internship, and cross-disciplinary projects to elective modules, you can choose your learning journey to become a social connector who views challenges from different perspectives and creates solutions to inspire social change.

* Applicable to ABM, PCD, CHS and CMC diplomas



INDUSTRY RECOGNITION

Our diplomas are endorsed by government agencies such as the Ministry of Education (MOE), Ministry of Social and Family Development (MSF), Early Childhood Development Agency (ECDA), National Institute of Education (NIE), National Council of Social Service (NCSS), National Arts Council (NAC) and Infocomm Media Development Authority (IMDA).



SCHOLARSHIPS & GRANTS

Together with our industry partners, we offer a wide range of scholarships and bursaries to HMS students. They include:

- MOE Teacher Training Sponsorship (TTS) for students from the CHS Education specialisation and TSE
- ECDA Training Awards and MOE Kindergarten Teaching Awards for students from TSE and ECDE
- Temasek Foundation Study Award for Community Development for PCD students
- SPH scholarships for CMC students



FACILITIES FOR LEARNING

From custom-built training facilities for the arts, music and dance; media production suites; to a child development study centre, we have all you need to get a good foundation in your field of study.

**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

N91

DIPLOMA IN **Arts Business Management** Revamped

Get latest updates on course



- Gain the skills to **lead transformations** in the arts, culture and heritage sectors to multiply their impact on society
- Experience **real-world learning** through industry projects that will help you build a stellar portfolio and professional network
- **Broad-based curriculum** anchored on the creative arts, heritage and event management fields to give you more career options
- One-year or six-month internship, project work or elective modules – **Choose your learning journey** in your final year! New

WHAT THE COURSE IS ABOUT

If you love the idea of planning arts events or working in galleries, museums, performing arts, or heritage organisations, then the Diploma in Arts Business Management (ABM) is what you are looking for!

With ABM, you will cultivate an appreciation for various creative art forms – ranging from theatre and music, to dance and visual arts – and gain the business and management skills to thrive in and contribute to the transformation of these sectors. Besides attending lectures and workshops, you can look forward to exciting industry visits and opportunities to work on projects sponsored by our reputable partners from the arts, culture and heritage fields.

Integrating Arts Management Skills and Business Fundamentals

To give you a solid foundation, you will be introduced to business and management skills that will teach you how to manage, market and finance arts and heritage organisations. Learn how to conduct research on cultural audiences, use digital media to market your event to specific audience segments, develop sponsorship strategies, and organise physical and digital festivals and events.

Real-world Learning

In your final year, opt for either a one-year internship to deepen real-world experience, or a combination of a six-month internship and project work or elective modules to expand your skill sets.

You will have the opportunity to work on integrated projects, including the conceptualisation and execution of business development plans for companies in the creative industries. Apart from gaining hands-on business development skills, you will amass practical experience that will get you career-ready.

One of the highlights of your ABM journey is the opportunity to plan and organise Verve, an annual arts festival. You will apply the skills and knowledge that you have learnt to plan and implement programmes, present arts and cultural performances, work with artists and volunteers, and ensure financial sustainability for the event.

Signature Industry Partnerships

Our tie-ups with renowned arts and heritage organisations such as the Singapore Art Museum, Arts House Limited and National Heritage Board will allow you to gain insights into the ins and outs of the local arts and heritage scene. Be prepared to learn from and get inspired by veterans of the arts, culture and heritage fields!



Partnerships



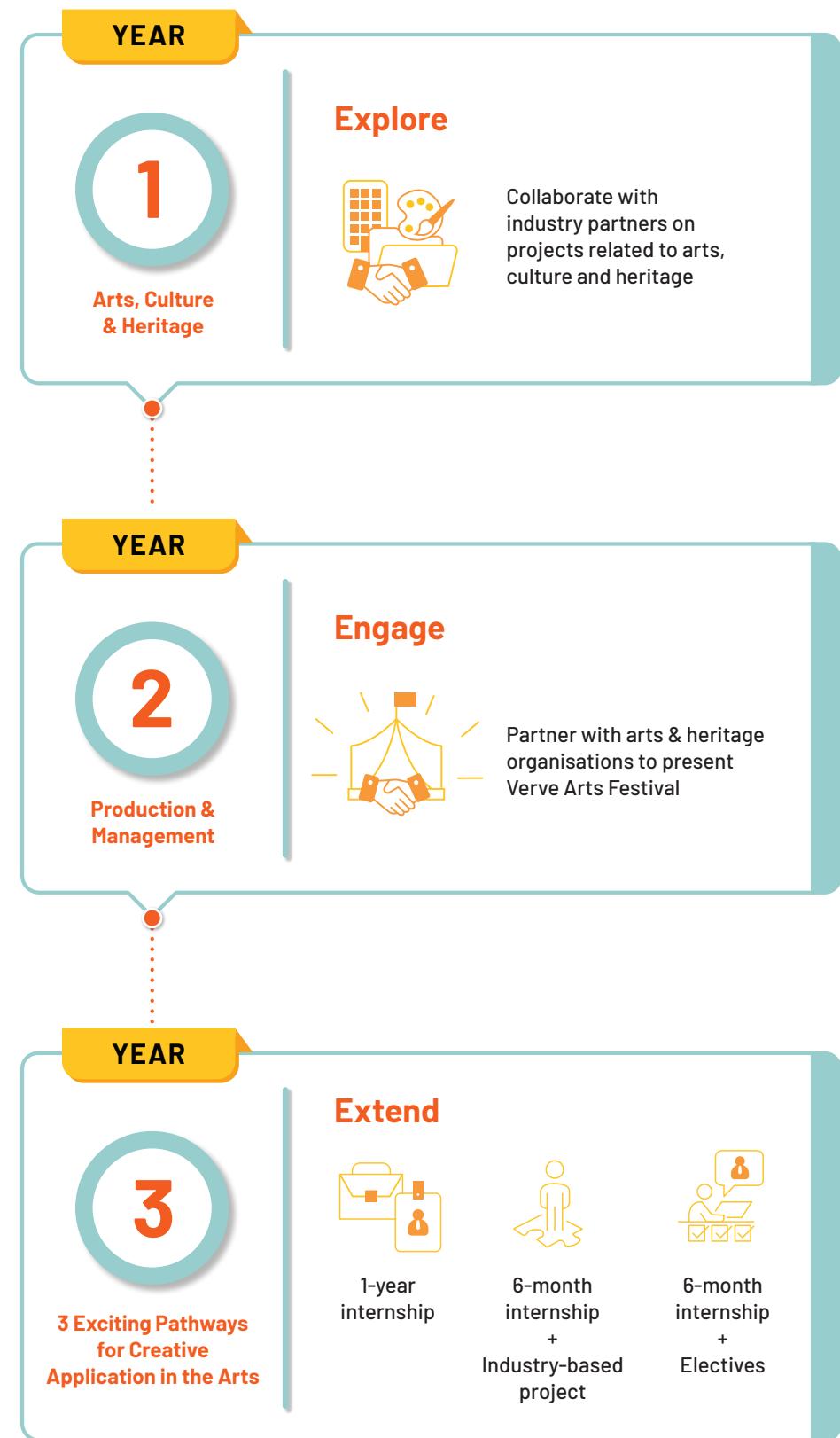
DECK



National
Heritage
Board

sam
singaporeartmuseum
CONTEMPORARY ART IN SOUTHEAST ASIA

OVERVIEW OF YOUR ABM JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Academic Communication & Thinking
- Career & Professional Preparation 1
- Economics
- Education, Outreach & Community Arts
- Essential Skills for the Digital Age
- Introduction to Arts & Heritage Management
- Introduction to the Arts 1: Music & Visual Art
- Introduction to the Arts 2: Theatre & Dance
- Visual Communication
- Workplace Communication Skills
- Health & Wellness[^]
- Innovation Made Possible[^]

YEAR 2

- Arts Marketing & Communication
- Arts Regulation, Policy & Governance
- Career Kickstart
- Creative Entrepreneurship
- Festival & Event Management
- Financial Management
- Partnership Engagement & Volunteer Development
- Research in Audience Development
- Stage & Exhibition Management
- Talent & Human Capital Management
- World Issues: A Singapore Perspective[^]

YEAR 3

- Six-month Internship with Industry-Based Project or Electives OR One-year Internship
- Frameworks for Solutioning
- Social Sustainability
- Understanding Social Challenges OR Understanding Place-Based Challenges
- Digital Strategies for Social Change OR Communicating to Create Social Change
- Project ID: Connecting the Dots[^]
- Communicating to Create Social Change

[^]Interdisciplinary Studies (IS) modules account for 10 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

ABM graduates have been admitted to the following local and overseas universities:

Australia

- Australian National University
- Monash University
- Queensland University of Technology
- University of New South Wales
- University of Sydney

United Kingdom

- Goldsmiths, University of London
- University of Glasgow
- University of Warwick

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Management University
- Singapore University of Social Sciences
- LASALLE College of the Arts

CAREER

As an ABM graduate, you are professionally trained to manage the creative and heritage industries. And what better place to start than the flourishing arts industry in Singapore? You can look forward to pursuing careers in these job roles:

- Arts Administrator
- Assistant Curator
- Events Executive
- Education and Programmes Executive
- Marketing Executive
- Project Executive



KENIX TAN

Arts Business Management graduate, Class of 2020

Kenix is working as a marketing & communications executive at artcommune gallery.



HAIMUEL MATTHIAS WONG-ASRI
Arts Business Management graduate, Class of 2021

A People's Association undergraduate scholarship recipient, Haimuel is pursuing a degree in Economics at NTU.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-B

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

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

You must also fulfil the aggregate computation requirements for the ELR2B2-B 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 Arts Business Management, log on to www.np.edu.sg/abm

DIPLOMA IN

Chinese Media & Communication

Revamped



- ▶ The **only bilingual media** course that prepares you to become a next-gen content producer for a globalised world as well as regional Chinese-speaking markets
- ▶ Broad-based curriculum equips you with **digital media skills** that can be applied across a wide range of platforms, widening career options
- ▶ Collaborative projects with **leading industry partners** such as Our Grandfather Story, Mediacorp and SPH Media offer **real-world learning opportunities**
- ▶ One-year or six-month internship, project work or elective modules – **Choose your learning journey** in your final year!^{New}

WHAT THE COURSE IS ABOUT

Ever dreamt of entering the booming Chinese media industry in the region? With a myriad of social media platforms available, there is a growing interest and demand for Chinese media content from global companies as well as popular local Chinese-language media outlets. If bilingualism is your forte, put your skills to good use with the Diploma in Chinese Media & Communication (CMC), where you will be trained to become a versatile media professional capable of producing engaging content for a wide range of digital media platforms.

Build a Strong Foundation

Learn storytelling and presentation skills in both Chinese and English, as well as the fundamentals of the Chinese media business and Chinese language & culture. Besides honing your skills in news writing, advertising, as well as radio and video production, you will learn data analytics, digital marketing and user experience & interface (UX/UI) design to prepare you for today's digitalised media landscape. Get set to captivate the global audience with compelling content via new media channels like podcasts, news feeds and mobile applications!

Immersive Studio-based Learning

Be career-ready for the ever-evolving media landscape with opportunities to collaborate with your peers and industry partners on real-world projects! With our immersive studio environment, you will gain the confidence and practical skills to thrive in the creative industries.

Industry Partnerships

Through our strong industry partnerships, you will also get opportunities to work on collaborative projects and gain insights into how organisations share impactful brand stories.

In your final year, choose a one-year internship to deepen real-world experience at top local media companies such as SPH Media, Mediacorp, Wawa Pictures, August Pictures and Our Grandfather Story. Or you can opt for a combination of a six-month internship and project work or elective modules to expand your skill sets.



ROOTING ROOTS

Passionate about promoting environmental awareness, a group of final-year CMC students Chua Zhan Fei, Janet Foo, Lee Xinen, Sheryl Goh and Ng Shi Kai worked with NParks and Mediacorp to create a documentary on how Singapore has evolved from a Garden City to a City in Nature. The students organised a treasure hunt in the Botanic Gardens and set up an Instagram account to raise awareness of and appreciation for the different tree and flower species in Singapore.

Partnerships



WHAT YOU WILL LEARN

YEAR 1

- Academic Communication & Thinking
- Audience Research
- Career & Professional Preparation 1
- Fundamentals of Translation
- Media Writing in Chinese
- Publication Design & Production
- Radio & Podcast Production in Chinese
- Storytelling with Visuals
- Speech Communication in Chinese
- UI & UX Design
- Workplace Communication Skills
- Health & Wellness[^]
- Innovation Made Possible[^]

YEAR 2

- Career Kickstart
- Chinese History & Literature
- Digital Journalism in Chinese
- Digital Marketing & Advertising
- Feature Production
- Integrated Marketing Communication
- Media Ethics & Regulation
- New Media in Southeast Asia
- Video Production
- World Issues: A Singapore Perspective[^]

YEAR 3

- Six-month Internship with Industry-Based Project or Electives OR One-year Internship
- Frameworks for Solutioning
- Social Sustainability
- Understanding Social Challenges OR Understanding Place-Based Challenges
- Digital Strategies for Social Change OR Communicating to Create Social Change
- Project ID: Connecting the Dots[^]

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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

CMC graduates have been admitted to the following local and overseas universities:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Management University
- Singapore University of Social Sciences
- LASALLE College of the Arts

Australia

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

China

- Beijing Film Academy
- Communication University of China
- Fudan University

Hong Kong

- City University of Hong Kong
- Hong Kong Baptist University

Taiwan

- National Chengchi University
- Shih Hsin University

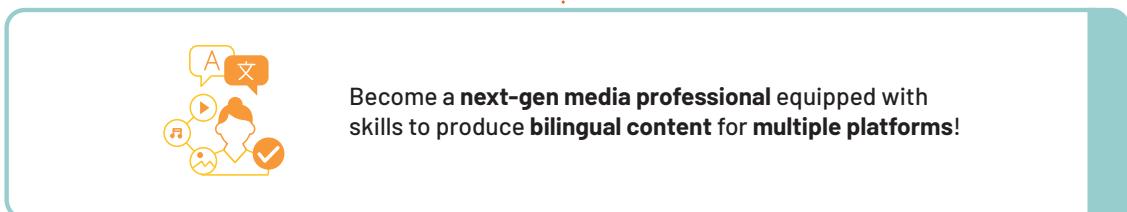
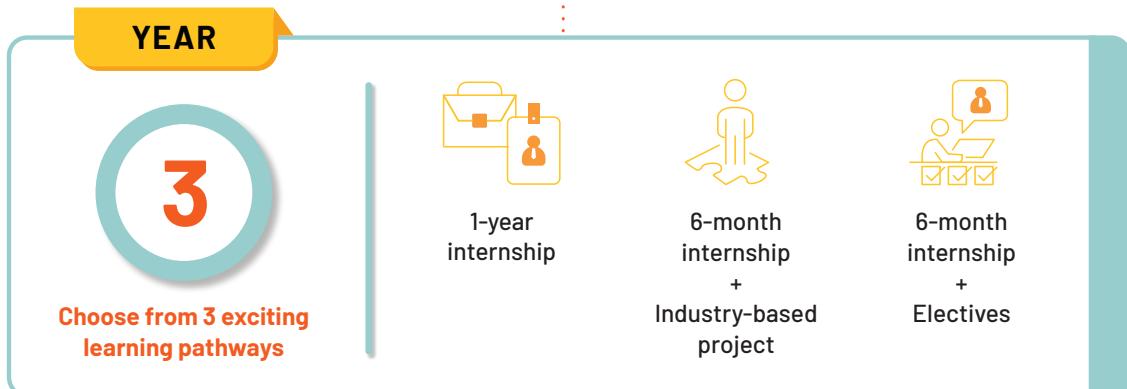
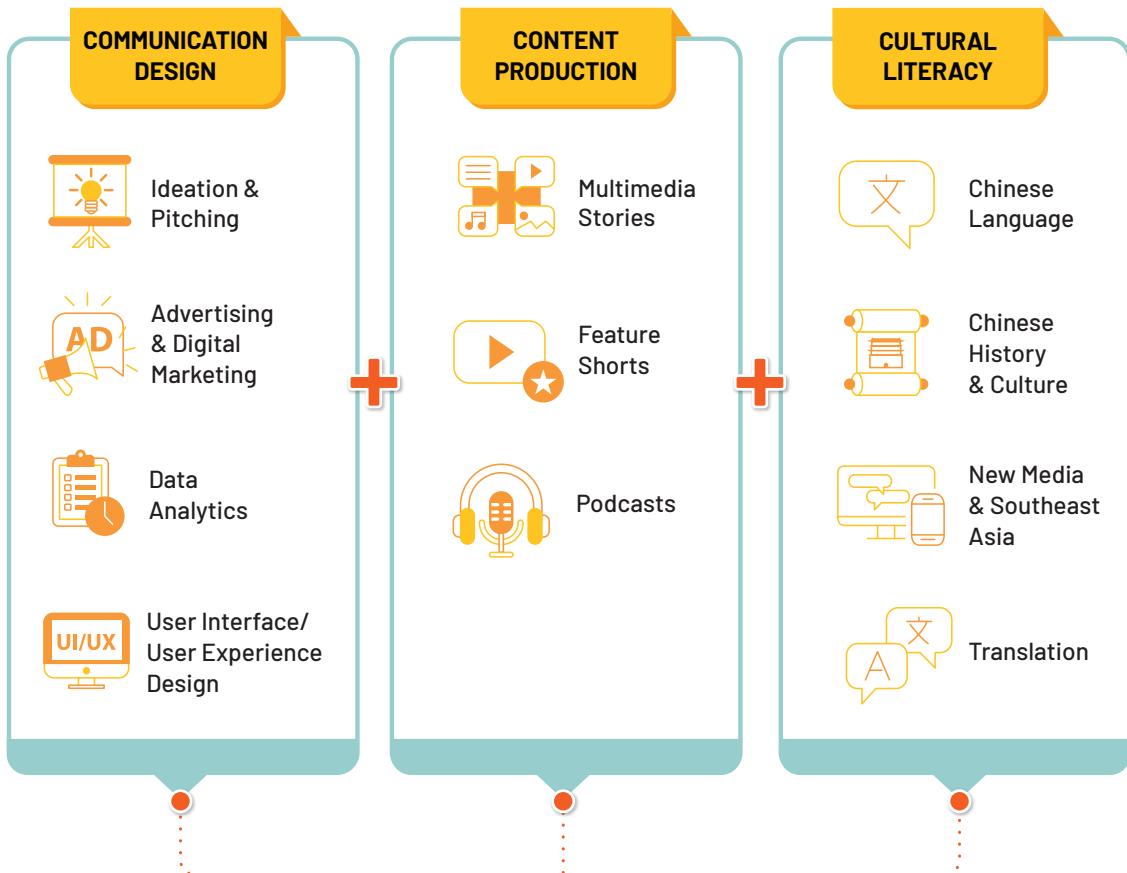


CHOW KAH MENG

Chinese Media & Communication graduate,
Class of 2021

Kah Meng is currently pursuing a degree in film management at Beijing Film Academy, China.

OVERVIEW OF YOUR CMC JOURNEY



CAREER

As a CMC graduate, you are a bilingual media practitioner who is ahead of the crowd. You can look forward to job roles such as:

- Assistant Producer
- Content Producer
- Junior Designer
- Marketing Communications Executive
- Radio Presenter
- Radio Producer
- Reporter
- Video Editor
- Video Journalist
- TV Producer



JESS TAN
Chinese Media &
Communication graduate,
Class of 2018

Jess is a media planner at Publicis Groupe
(Performics).

ENTRY REQUIREMENTS**Aggregate Type ELR2B2-A**

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

Subject	'O' level grade
English Language	1-6
Higher Chinese or Chinese	1-4
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-3
	1-6

To be eligible for selection, students must also have sat for Mathematics (Elementary/Additional) and fulfil the aggregate computation requirements for the ELR2B2-A 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 Chinese Media & Communication, log on to www.np.edu.sg/cmc

DIPLOMA IN**Chinese Studies**

Revamped

Get latest updates on course



- ▶ Gain deep Chinese language skills and Chinese culture expertise through Singapore's first and only polytechnic diploma anchored in Chinese language, history, culture and heritage
- ▶ Choose between 2 exciting career tracks: **Business or Education***
- ▶ Work on industry projects and train at top companies in our network to gain real-world experience
- ▶ One-year or six-month internship, project work or elective modules – **Choose your learning journey in your final year** New

*Students who select the Education specialisation have the opportunity to receive the MOE Teacher Training Sponsorship (TTS)

WHAT THE COURSE IS ABOUT

Have a love for the Chinese language and culture or a flair for business? Armed with a Diploma in Chinese Studies (CHS), you will be a cut above the rest in meeting the rising demand for specialists in Chinese culture and language!

Understanding Chinese Language & Culture

As the first and only course of its kind offered at the polytechnic level, and with at least half of the course conducted in Chinese, CHS sharpens your language skills while preparing you for careers in the education, marketing & advertising, tourism and business sectors. As part of the programme, you will go on field trips to a wide variety of organisations that reach out to Mandarin-speaking communities to broaden your perspective of Chinese culture and society.

In the first year of study, you will go on a discovery journey to uncover the different facets of Chinese history, culture and literature. You will also learn to use digitalised translation tools effectively and to present, write and speak with proficient Chinese communication skills.

Industry Exposure

With an industry-relevant curriculum, you will have opportunities to work on collaborative projects with our reputable industry partners in sectors such as education, translation, business & event management, culture and heritage, as well as marketing and advertising. You can choose either a one-year internship or opt for a combination of a six-month internship and project work or elective modules to sharpen your skill sets and build an outstanding portfolio.

Choose from 2 Specialisations*

In your second year, you can choose to embark on either the Education or Business track.

Education

Want to spread your love for the Chinese Language? Covering topics on teaching, curriculum planning, and child development, this specialisation will equip you for a career as a primary school teacher.

Furthermore, students who receive the MOE Teacher Training Sponsorship will get training opportunities at the National Institute of Education (NIE) in their final semester. Upon graduation, they will only need to spend one year at NIE to complete a Diploma in Education (Chinese Specialisation). Students on this track may apply directly for the MOE Teacher Training Sponsorship that covers tuition fees and offers a monthly allowance.

Business

Students who choose the Business specialisation will hone their skills in translation and interpretation, technology in business, integrated marketing communication as well as project management. They will also gain an in-depth understanding of Chinese business knowledge and business ethics.

*All specialisation options are subject to availability

WHAT YOU WILL LEARN

YEAR 1

- Academic Communication & Thinking
- Career & Professional Preparation 1
- Contemporary China
- Chinese Speech and Presentation
- General History of China
- Intermediate Translation
- Introduction to Chinese Culture
- Introduction to Chinese Literature
- Essential Skills for the Digital Age
- Fundamentals of Translation
- Workplace Communication Skills
- Written Communication in Chinese
- Innovation Made Possible^
- Health & Wellness^

YEAR 2

Common Modules

- Career Kickstart
- Chinese Folklore & the Arts
- World Issues: A Singapore Perspective^

Education Specialisation*

- Child Development & Learning
- Educational Technology
- Introduction to Chinese Linguistics
- Introduction to Children's Literature
- Language Lesson Planning & Teaching
- Readings in Chinese Classics
- Special Needs & Exceptional Child

Business Specialisation*

- Fundamentals of Business
- Integrated Marketing Communications
- Business Ethics Law & Regulations
- Business Translation & Interpretation
- Business Technology & Innovation
- Chinese Business & Southeast Asia
- Project Management

YEAR 3

- Six-month Internship with Industry-Based Project or Electives OR One-year Internship
- Frameworks for Solutioning
- Social Sustainability
- Understanding Social Challenges OR Understanding Place-Based Challenges
- Digital Strategies for Social Change OR Communicating to Create Social Change
- Project ID: Connecting the Dots^

Education Specialisation^

- Chinese Etymology & Modern Chinese Script*
- Modern Chinese Grammar*
- Use of Chinese in Teaching (Hanyu Pinyin)*
- Teaching of Civics & Moral Education*
- Techniques in the Teaching of Chinese Language*

* All specialisation options are subject to availability

* For students with MOE Teacher Training Sponsorship (TTS)

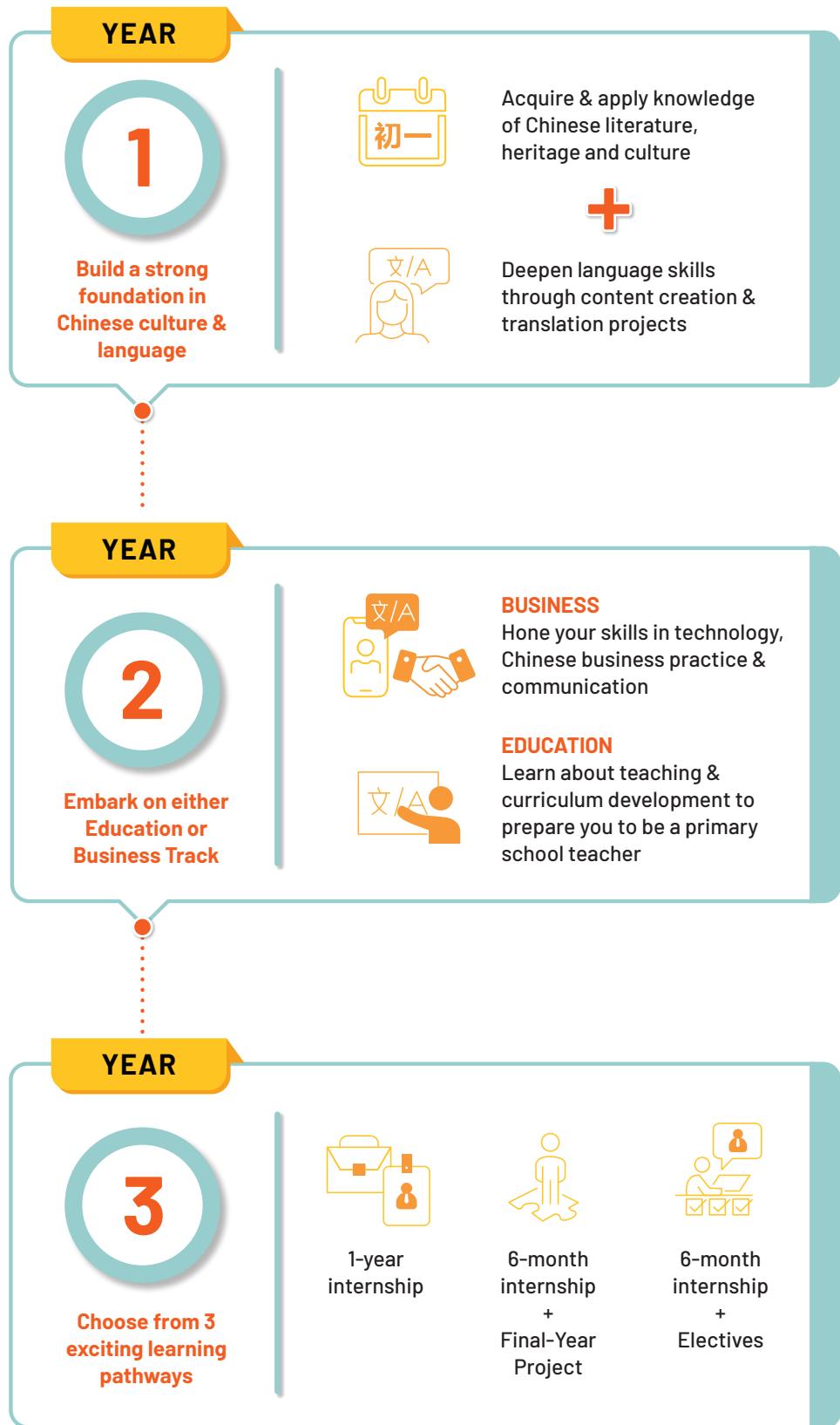
[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in innovation and world issues, as well as an interdisciplinary project. By bringing students from diverse diplomas together, the interdisciplinary project fosters collaboration to explore 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.

Partnerships



OVERVIEW OF YOUR CHS JOURNEY



FURTHER STUDIES

CHS graduates have been admitted to the following local and overseas universities:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- Singapore Management University
- Singapore University of Social Sciences

Australia

- University of Queensland

China

- Central China Normal University
- Fudan University
- Nanjing University
- Sichuan University
- Tongji University
- Zhejiang University

Taiwan

- National Chengchi University
- National Taiwan University

CAREER

With expert domain knowledge of the Chinese language and culture, you will have an edge when you work for or conduct business with local firms or multinational corporations with a presence in China. You can look forward to job roles such as:

Education Specialisation

- Language Curriculum Specialist
- Primary School Chinese Educator

Business Specialisation

- Business Administrator
- Copywriter
- Event Executive
- Reporter
- Scriptwriter
- Translator



WANG SHUYA

Chinese Studies graduate,
Class of 2015

Shuya is a revenue planning specialist at ByteDance, where she utilises her strength in the Chinese language and culture.



FANG PINGPING

Chinese Studies graduate,
Class of 2021

Pingping is pursuing a Bachelor of Arts (Education) (Chinese Language Specialisation) (Primary) at NIE.



TAN SHI BING

Chinese Studies graduate,
Class of 2022

Shi Bing is pursuing a Bachelor of Business Administration at NUS.

DIPLOMA IN

Psychology & Community Development

Revamped



"CHS has provided me with various opportunities to enrich my learning journey. From overseas immersion trips in collaboration with world-renowned institutions to internship opportunities at leading firms in the industry, we were exposed to situations where we could apply the skills and knowledge we learned in class. CHS gave us a good overview of related industries, and we even got to experience working in these industries."

GUO XINGRU
**Diploma in Chinese Studies
 (Business Specialisation), Class of 2018**

Xingru is currently pursuing a master's degree in Communication and Media at Fudan University, China.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-A

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

Subject	'O' level grade
English Language	1-6
Higher Chinese or Chinese	1-4
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-3
	1-6

To be eligible for selection, students must also have sat for Mathematics (Elementary/Additional) and fulfil the aggregate computation requirements for the ELR2B2-A 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 Chinese Studies, log on to www.np.edu.sg/chs

For more information about NIEC and its courses, visit www.niec.edu.sg

Get latest updates on course



- ▶ A unique diploma that combines Psychology, Community Development and Social Sustainability
- ▶ Be equipped to be a social connector who brings businesses, communities and the public sector together
- ▶ Gain hands-on experience in co-creating sustainable solutions with corporates and communities to maximise the social impact of business decisions
- ▶ Choice of 3 specialisation tracks to expand your knowledge in these key social sectors: Youth, Seniors and Disabilities

WHAT THE COURSE IS ABOUT

Curious about psychology and human behaviour? Passionate about building an inclusive and sustainable society? If you are keen to use your understanding of human behaviour to shape social changes and create real impact for communities, our Diploma in Psychology & Community Development (PCD) will give you a head start!

With the growing global trend of corporates making a positive impact on society, PCD prepares you to be the new-gen social connector with the skills and intelligence to develop sustainable solutions that add value to both businesses and communities.

Through PCD, you will gain insights into the motivations, attitudes and social dynamics that influence human interactions. Additionally, you will gain an understanding of principles that guide businesses to make socially sustainable decisions. Your comprehension of business needs and community issues will enable you to mobilise diverse stakeholders from the corporate and community sectors to create solutions that are impactful and sustainable. You can also play a key role in the care economy to foster community partnerships and enhance human services to impact social development and improve quality of lives.

In Year 1, you will embark on a Behavioural Insights Learning Journey where you get to interact with different communities to understand their behavioural profile. You will also learn to identify social and environmental factors that might influence behaviour and choices of these communities.

In Year 2, your learning will be integrated across several modules through a Behavioural Insights Bootcamp. Facilitated by lecturers and industry practitioners, this bootcamp will equip you to draw from psychological and social science concepts to shape programmes or policies.

Partnerships



Choice of 3 Specialisations

In your second year, depending on your area of interest, you can deepen your understanding in one of the three key sectors of the growing care economy:

Youth: Acquire the skills to address the needs of youth-at-risk and the general youth population.

Seniors: Get acquainted with the challenges faced by our seniors and develop programmes that facilitate active ageing.

Disabilities: Gain perspectives of persons with disabilities to co-create innovative solutions and raise awareness on inclusivity.

Customise Your Learning

In your final year, you also get to customise your learning journey by choosing to go on a one-year internship or a six-month internship coupled with a Final-Year Project or elective modules. Our leading partners that offer enriching internship opportunities include a spectrum of public sector agencies, private corporations and social and community organisations such as Deloitte, Fei Yue Community Services, Metropolitan YMCA, Ministry of Family and Social Development, National Youth Council and Sodexo.

WHAT YOU WILL LEARN

YEAR 1

- Principles of Psychology
- Social Psychology
- Community Development & Human Services
- Foundation of Corporate Social Sustainability
- Partnership Engagement & Volunteer Development
- Working with Families
- Academic Communication & Thinking
- Career & Professional Preparation 1
- Essential Skills for the Digital Age
- Workplace Communication Skills
- Innovation Made Possible[^]
- Health & Wellness[^]

YEAR 2

- Community Psychology & Advocacy
- Lifespan Psychology
- Psychology in Group Dynamics & Facilitation
- Introduction to Research Methods
- Social Innovation & Sustainable Business Practices
- Programme Development & Evaluation
- Career Kickstart

Elective Modules from 3 Specialisations:

Youth

- Youths & Society
- Wellness for Youth
- Youth Engagement & Outreach

Seniors

- Perspectives on Ageing
- Empowerment & Wellness for Seniors
- Inclusive Ageing & Society

Disabilities

- Introduction to Disabilities
- Working with Persons with Disabilities
- Advancing Social Inclusion of Persons with Disabilities

YEAR 3

- Six-month Internship with Industry-Based Project or Electives OR One-year Internship
- Frameworks for Solutioning
- Social Sustainability
- Understanding Social Challenges OR Understanding Place-Based Challenges
- Digital Strategies for Social Change OR Communicating to Create Social Change
- Project ID: Connecting the Dots[^]

* All electives are subject to availability.

[^] Interdisciplinary Studies (IS) modules account for 10 credit units of the diploma curriculum. They include modules in 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.

GROWING A CHANGEMAKER COMMUNITY

Second-year Community Development* student Imran Mean believes in making a difference in the community around him. This big-hearted youth founded a 380-strong volunteer group, known as the IM Volunteers Network, which focuses on welfare events such as meal distribution, fundraising and other social initiatives. The group has supported 200 events to date and now has a Malaysia branch that supports volunteering efforts across the Causeway!

*Renamed the Diploma in Psychology & Community Development

FURTHER STUDIES

Graduates may pursue further studies at institutions of higher learning, both locally and overseas. As PCD is a broad-based diploma, graduates have a wide array of study choices, including those in the social sciences, humanities and business.

The following universities grant advanced standing to PCD graduates:

Singapore

- Nanyang Technological University
- National University of Singapore

Australia

- Griffith University
 - Bachelor of Human Services
 - Bachelor of Child, Youth and Family Practices
- Edith Cowan University
 - Bachelor of Counselling
 - Bachelor of Youth Work
 - Bachelor of Social Science
- University of Queensland
 - Bachelor of Psychological Science (Honours)
- University of Western Australia
 - Bachelor of Psychology
 - Bachelor of Business
 - Bachelor of Commerce



TOH PEI LING

Business & Social Enterprise* graduate, Class of 2022

Pei Ling is pursuing a Bachelor of Social Work at SUSS.

*Renamed the Diploma in Psychology & Community Development



TAN YAN ZI

Psychology Studies* graduate, Class of 2021

Yan Zi is pursuing a Bachelor of Politics, Law and Economics at SMU.

*Renamed the Diploma in Psychology & Community Development

CAREER

The community development and social services sectors are growing and expanding their talent pool. The Environmental, Social and Governance, or ESG, sector – which focuses on measuring the sustainability and ethical impact of businesses – is also gaining attention.

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

- Community Development Executive
- Events Management Executive
- CSR Executive
- Marketing/Communications Executive
- Social Entrepreneur
- Social Work Associate
- Social Work Assistant
- Programme Coordinator/Executive
- Volunteer Executive
- Youth Worker

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-A

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

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

You must also fulfil the aggregate computation requirements for the ELR2B2-A 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 Psychology & Community Development, log on to www.np.edu.sg/pcd

DIPLOMA IN

Early Childhood Development & Education

Get latest updates on course



- Experience **practice-oriented training** with a 22-week enhanced internship programme and 2 practicum attachments to apply what you have learnt from the course
- Graduate with ECDE in the **Early Intervention Track or Mother Tongue Language Teaching – Chinese or Tamil Track** when you choose the relevant electives* in your final year
- Enjoy full course fee sponsorship, professional development grant and monthly allowance with the **ECDA Training Award**

* Subject to terms and conditions

WHAT THE COURSE IS ABOUT

If you love interacting with children and want to play a part in shaping their growth, then our Diploma in Early Childhood Development & Education (ECDE) is the right one for you!

This course is conducted by the National Institute of Early Childhood Development (NIEC) in collaboration with NP at the NIEC (NP) campus. The qualification is recognised by the Early Childhood Development Agency (ECDA) for graduates to be certified and practise as an early childhood educator in Singapore.

Real-world Learning

From the first year of study, you will go on attachments at preschools, and get an opportunity to apply and hone your skills alongside experienced educators. You will build a strong foundation in understanding child development, early childhood care, and education for young children between the ages of 18 months and 6 years.

In the second year, you will continue your field practicum while learning about the holistic development of a child, as well as curriculum planning and design. You will also learn how to encourage children to be curious learners and problem solvers.

Deepen Your Skills by Specialising

In the final year, you will deepen your knowledge in your area of interest with electives such as Children's Literature and Drama for Preschool Education, or take up modules in the Early Intervention track or Mother Tongue Language Teaching – Chinese or Tamil Track. You may even choose to take up the 2D & 3D Art modules conducted at another NIEC campus*. You will also put your skills and knowledge into practice when you go on a six-month internship at a preschool.

Excellent Prospects

Upon graduation, you will become a certified preschool educator. You can upgrade your career through our post-diploma programmes or continuing professional development courses at NIEC or embark on a local early childhood degree programme with exemption at the Singapore University of Social Sciences.

ECDA Training Award

Students enrolled in the early childhood courses are eligible for the ECDA Training Award. It includes full course fee sponsorship and a monthly allowance of \$800!



PROJECT L.A.H (LEND A HAND)

Helmed by passionate first-year ECDE and TSE students, this initiative aims to make a difference in the community by offering tangible help. Students will get to partner with voluntary welfare organisations and community partners to work on meaningful projects to positively impact the people around them.

WHAT YOU WILL LEARN

YEAR 1

- Aesthetics & Creative Expression
- Child Development 1 & 2
- Motor Skills Development
- Practicum 1
- Language & Literacy
- The Early Years: Theory to Practice
- Academic Communication & Thinking
- Workplace Communication Skills
- Essential Skills for the Digital Age
- Career & Professional Preparation 1
- Health & Wellness[^]

YEAR 2

- Working with the Exceptional Child
- Early Numeracy
- Discovery of the World
- Curriculum Planning & Implementation
- Infant & Toddler Learning Environment
- The Preschool Years: Theory to Practice
- Practicum 2
- Career Kickstart
- World Issues: A Singapore Perspective[^]

YEAR 3

- The Reflective Practitioner in Practice
- Student Internship Programme
- Project ID: Connecting the Dots[^]

Take any two electives* OR complete three modules from the Early Intervention (EI) Track or the Mother Tongue Language Teaching (Chinese/Tamil) Tracks:

Electives*

- Assessment of Young Children
- Capstone Project
- Childhood Disabilities & Disorders
- Children's Literature
- Early Intervention & Teaching Approaches
- Drama for Pre-school Education
- 2D & 3D Art^{^^}
- Book Illustration & Design for Children

Early Intervention (EI) Track

- Assessment of Young Children
- Childhood Disabilities & Disorders
- Early Intervention & Teaching Approaches

Mother Tongue Language Teaching Tracks

Chinese

- Chinese Grammar for Effective Communication
- Chinese Language & Literacy
- Teaching Chinese through the Arts

Tamil

- Tamil Grammar for Effective Communication
- Tamil Language & Literacy
- Teaching Tamil through the Arts

*All electives are subject to availability

[^] Interdisciplinary Studies (IS) modules account for 7 credit units of the diploma curriculum. They include modules in 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.

^{^^} 2D & 3D Art is an elective conducted at another NIEC campus.

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

ECDE graduates can enrol in NIEC's Post-Diploma Courses to specialise in different early childhood-related areas. These courses will better equip you to take on roles as a Mentor Teacher or Senior Infant Educator, or deepen your knowledge in Learning Support.

With sufficient relevant experience and additional training through the Advanced Diploma in Early Childhood Leadership, you can also take on leadership roles as a Lead Educator and Centre Leader. As an ECDE graduate, you may be eligible for up to one year's worth of credit exemptions for the full-time Bachelor of Early Childhood Education with a Minor at the Singapore University of Social Sciences.

LEONIKA ONG

Early Childhood Development & Education graduate, Class of 2023



A recipient of the ECDA Training Award and Commendation Award, Leonika is pursuing a degree in Early Childhood Education at SUSS.

* Subject to terms and conditions

CAREER

With an increasing emphasis on raising the quality of early childhood education in Singapore, there are good career prospects and an abundance of training opportunities.

The Diploma in Early Childhood Development and Education is awarded by the National Institute of Early Childhood Development (NIEC) in collaboration with Ngee Ann Polytechnic. The diploma fulfils the professional qualifications of a Level 2 category of a preschool educator. You can teach children aged 18 months to 6 years old, any level from Pre-Nursery, Nursery to K1 and K2. You can also pursue a career in other fields that involve working with children.

With further studies and training, you can find employment in the following areas:

- Child Support and Family Services
- Early Intervention, Special Needs Education
- Curriculum Development
- Play Therapy
- Teacher Education



RAIHANA BINTE SUHAIMI

Early Childhood Education* graduate, Class of 2015

A recipient of the Tay Eng Soon Gold Medal and the Silver Medallist of her cohort, Raihana is now a deputy centre leader at NTUC's My First Skool.

*Renamed the Diploma in Early Childhood Development & Education

ENTRY REQUIREMENTS**Aggregate Type ELR2B2-A**

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

Subject	'O' level grade
English Language	1-6
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-6
Any one of the 2nd group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-6

To be eligible for selection, students must also have sat for Mathematics (Elementary/Additional) and fulfil the aggregate computation requirements for the ELR2B2-A 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 would need to be certified medically fit for study by a certified medical doctor, and to work with children according to ECDA's medical requirements for early childhood educators.

CONTACT US

For the most up-to-date information on NP's Diploma in Early Childhood Development & Education, log on to www.np.edu.sg/ecde

For more information about NIEC and its courses, visit www.niec.edu.sg

DIPLOMA IN

Tamil Studies with Early Education

Get latest updates on course



- Only diploma of its kind in Singapore taught in Tamil and English
- Attractive Ministry of Education (MOE) Tamil Language Teacher Training Sponsorship (TLTS) and Early Childhood Development Agency (ECDA) Training Award
- Get certified as a Tamil Mother Tongue Language and English Language preschool educator, with opportunities to be trained at the National Institute of Education to become a Tamil Mother Tongue Language teacher in primary school

WHAT THE COURSE IS ABOUT

Has it always been your dream to be a preschool educator? Do you have a love for the rich Tamil language and culture? Make your dream a reality by taking up the Diploma in Tamil Studies with Early Education (TSE)!

Through this one-of-a-kind diploma, you will be equipped with the skills and knowledge to nurture, inspire, educate and care for the next generation of young minds and have opportunities to share your passion for the Tamil language and culture with others! With the importance of Mother Tongue Language (MTL) in schools, you will secure good career opportunities as a Tamil Language preschool educator.

Student Internship Programme (SIP) Projects

You will get to apply what you have learnt in a six-month internship at a preschool where you will teach Tamil, English and literacy to young children. You will get the chance to develop creative learning activities for children to improve their literacy and motor skills.

TLTTS Sponsorship & ECDA Training Award

Students enrolled in TSE are eligible for the Tamil Language Teacher Training Sponsorship (TLTTS) and ECDA Training Award which includes full course fee sponsorship and a monthly allowance of \$800!

WHAT YOU WILL LEARN

YEAR 1

- Child Development 1 & 2
- Motor Skills Development
- Introduction to Tamil Language
- Introduction to Tamil Culture & Society
- Communication in Tamil 1 & 2
- Principles and Practices in Early Education
- Tamil Literature
- Academic Communication & Thinking
- Essential Skills for the Digital Age
- Workplace Communication Skills
- Career & Professional Preparation 1
- Health & Wellness[^]

YEAR 2

- Child Safety, Health & Socio-emotional Wellbeing
- Social Emotional Learning
- Early Numeracy
- Discovery of the World
- Effective Learning Environment for Young Children
- Language & Literacy
- Practicum
- The Professional & Reflective Practitioner
- Aesthetics & Creative Expression
- Curriculum Planning & Implementation
- Career Kickstart
- World Issues: A Singapore Perspective[^]

YEAR 3

- Working with the Exceptional Child
- Family & Community Partnership
- Teaching Tamil to Diverse Learners
- Introduction to Tamil Children's Literature
- Tamil Language & Culture through the Arts & Media
- Tamil History
- Student Internship Programme

[^] Interdisciplinary Studies (IS) modules account for 3 credit units of the diploma curriculum. They include modules in 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

As a TSE graduate, you may apply for further studies with specialisations at the following local universities:

- National Institute of Education / Nanyang Technological University
 - Diploma in Education (Tamil Language) (Primary)
 - Bachelor of Arts (Education) – only for candidates selected for MOE Tamil Language Teacher Training Scheme
 - Bachelor of Arts in Linguistics & Multilingual Studies
- National University of Singapore
 - Bachelor of Arts in South East Asian Studies (Tamil Studies)
- Singapore University of Social Sciences
 - Bachelor of Early Childhood Education with Tamil Language
 - Bachelor of Arts in Tamil Language and Literature

CAREER

The Diploma in Tamil Studies with Early Education is awarded by the National Institute of Early Childhood Development in collaboration with Ngee Ann Polytechnic. The diploma fulfils the professional qualifications of a Level 2 category of preschool teacher. You may teach any level from Pre-Nursery, Nursery to K1 and K2. Upon graduation, you are certified as a Tamil and English Language preschool educator. You may also apply to MOE to be a primary school Tamil Language teacher if you meet MOE's criteria.



**JOSEPH EDWIN
SELVAKUMAR PATRIC
JENEFER**

Tamil Studies with Early Education graduate,
Class of 2023

A recipient of the MOE Teaching Scholarship, PAP Community Foundation Gold Medal and the E-Bridge Pre-School Prize, Jenefer is an educator at MOE Kindergarten.

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-A

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

Subject	'O' level grade
English Language	1-6
Higher Tamil or	1-4
Tamil	1-3
Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type	1-6

To be eligible for selection, students must also have sat for Mathematics (Elementary/Additional) and fulfil the aggregate computation requirements for the ELR2B2-A 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 would need to be certified medically fit for study by a certified medical doctor, and to work with children according to ECDA's medical requirements for preschool teachers.

CONTACT US

For the most up-to-date information on NP's Diploma in Tamil Studies with Early Education, log on to www.np.edu.sg/tse

For more information about NIEC and its courses, visit www.niec.edu.sg

OUR GRADUATES WITH THAT SOMETHING XTRA



PAYING IT FORWARD

"People have invested in me and I aim to pay it forward by helping others. I hope to see broken lives transformed, and for children and youths to grow up knowing that their life is worth living."

OH JIA JIA

Psychology Studies* graduate, Class of 2019

Jia Jia holds a social work degree from NUS and currently serves as a social worker at Marine Parade Family Service Centre.

*Renamed the Diploma in Psychology & Community Development



BUILDING A STRONG FOUNDATION

"ABM has prepared me thoroughly and equipped me with relevant skills and knowledge to enter the arts industry right after graduation. It also gave me a strong foundation to further my studies in university."

ELIZABETH CHUA

Arts Business Management graduate, Class of 2016

Elizabeth is working as an Assistant Manager (Programming & Production) at the NUS Centre for the Arts.



LEARNING 'HEART' SKILLS

"On top of the soft and hard skills that I have acquired during my studies at NP, CHS and its community provided me with the 'heart' skills to relate to my employees, customers and stakeholders, both locally and overseas."

ANGEL SUN

Chinese Studies graduate, Class of 2014

Angel is the director of SGW Engineering and the founder of 1Byte Ventures, a cross-border logistics firm.



NURTURING THE NEXT GENERATION

"ECH provided industry exposure, allowing me to apply theory in the real world. The knowledge gained is applicable to my current job, giving me confidence in my duties."

RAIHANA BINTE SUHAIMI

Early Childhood Education* graduate, Class of 2015

Raihana serves as a deputy centre leader at NTUC's My First Skool.

*Renamed the Diploma in Early Childhood Development & Education



DEVELOPING CREATIVE SOLUTIONS

"CMC profoundly impacted my life through hands-on projects that revealed the power of storytelling. I hope to explore the world of media and research, and make a lasting impact through my work."

XIE JING YI

Chinese Media & Communication graduate, Class of 2018

Jing Yi is the co-founder of Breavaco, a creative advertising agency.

535 Clementi Road Singapore 599489

Admissions Hotline: 6463 1233

askNP@np.edu.sg

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

SCHOOL OF
HEALTH SCIENCES

- ▶ Nursing
- ▶ Optometry

Revamped





hs

**A Passion
To Touch Lives**

You have great empathy for people and a strong desire to improve the lives of others. Find fulfilment as a healthcare professional and lead in the transformation of the healthcare industry by joining the School of Health Sciences (HS). Here, you will learn in acute and community-based settings, and be equipped with clinical skills and knowledge to overcome tomorrow's health challenges.

4 Nursing (N69)

9 Optometry (N83) Revamped

WHY CHOOSE HS



TOP-NOTCH FACILITIES

Learn in real-world environments, such as our Patient Simulation Centre and Optometry Centre, as well as fully equipped operating theatres, intensive care units, optometry and nursing laboratories.

Explore your future classrooms here:



TECHNOLOGY-ENABLED LEARNING

Embrace the era of digital innovation in the healthcare industry when you learn with cutting-edge technologies such as the Metaverse, Artificial Intelligence, Virtual Reality, Extended Reality, gamification, e-textbooks and other tools!



EXPERIENTIAL LEARNING

Be prepared for the demands of the workplace as you get exposed to complex real-world scenarios, where you will have the opportunity to apply your skills in actual work settings throughout your three years in HS.



AWARD-WINNING SCHOOL

HS was awarded the President's Certificate of Commendation for training over 1,200 Covid-19 vaccinators, in support of the nation's vaccination efforts. The award-winning school comprises passionate lecturers who bring with them extensive industry and teaching experience.



OVERSEAS EXPOSURE

Expand your world view and develop the skills to thrive in the global healthcare system through overseas immersions, internships and Service-Learning trips to countries like Vietnam, Malaysia, Indonesia, Thailand and the Philippines.



INDUSTRY PARTNERS

HS collaborates with key healthcare institutions to offer comprehensive clinical training opportunities. Our renowned partners include:

Hospitals

- Ang Mo Kio-Thye Hua Kwan Hospital
- Mount Alvernia Hospital
- Raffles Hospital
- Ren Ci Hospital
- St. Andrew's Community Hospital

Healthcare Groups

- IHH Healthcare Singapore
- National Healthcare Group
- National University Health System
- Singapore Health Services (SingHealth)

Eye Care Establishments

- Carl Zeiss Vision Singapore
- EssilorLuxottica
- OWNDAYS Singapore
- Stan Isaacs: Myopia Specialist Centre

Nursing Homes

- All Saints Home
- Lenton Residence
- Ling Kwang Home
- Orange Valley Home
- St. Joseph's Home
- St. Luke's Hospital
- The Salvation Army Peacehaven Nursing Home

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

DIPLOMA IN
Nursing



Get latest updates on course



- ▶ Accredited by the Singapore Nursing Board
- ▶ Get real-world practice with 32 weeks of clinical training right from your first year
- ▶ Secure a job before graduation through a hospital sponsorship with monthly allowances
- ▶ Pursue nursing, medicine and allied healthcare degree courses at NUS, NTU and SIT
- ▶ Gain advanced standing when you apply to the two-year Bachelor of Science (Nursing) programmes offered by NUS and the University of Glasgow

WHAT THE COURSE IS ABOUT

The Diploma in Nursing (NSG) is a comprehensive course that prepares you to become a versatile healthcare professional, equipped with critical thinking, analytical and problem-solving skills. You will learn how to manage medical conditions and get trained to make critical decisions that impact lives.

Upon graduation, you will be ready to practise as a registered nurse or tap into a wide range of career opportunities in the healthcare, pharmaceutical and biomedical industries, locally and overseas. NSG also gives you a strong foundation to further your studies and specialisation at local and international universities.

Experiential Learning

Throughout your three years of study, you will receive 480 hours of hands-on training in our state-of-the-art nursing and simulation laboratories. Moreover, you will learn from industry experts and gain valuable healthcare insights through 32 weeks of clinical training across various specialties, starting from your first year.

Excellent Prospects

With the nursing profession in high demand, you can secure a job at a reputable healthcare organisation. Nursing students can apply for a hospital sponsorship that offers a monthly allowance ranging from \$900 to \$1,100.

Live and Learn Abroad

As a nursing student, you get to go on overseas immersions and Service-Learning trips, as well as exchange programmes to countries such as Vietnam, Malaysia, Indonesia, Thailand, and the Philippines. These trips offer insights into regional healthcare systems and aim to develop you into a global-smart professional.

Cutting-edge Facilities

Hone your skills in industry-standard facilities such as our Patient Simulation Centre, complete with mannequins that can interact with you like a real patient. Other facilities include well-equipped operating theatres, intensive and emergency care units, nursing laboratories and smart classrooms.

Technology-enabled Learning

Prepare yourself for the digital age of healthcare innovation with the latest technologies at HS. You will get the opportunity to experience learning with ICT-enabled tools such as gamification, e-proctored assessment, artificial intelligence tutoring, and marking systems. In addition, you will explore immersive technologies such as the Metaverse, Virtual Reality, Augmented Reality and Extended Reality as part of your learning.



FROM NURSE TO DOCTOR

Muhammad Afiq Nabil bin Atiman is one of the two NP Nursing graduates to secure a place in the National University of Singapore Yong Loo Lin School of Medicine in 2022. During his time at NP, Afiq completed attachment stints at three hospitals, and even did a final-year research project on the mental resilience of polytechnic students and staff during the Covid-19 pandemic. These experiences left him wanting to delve further into the study of medicine.

MUHAMMAD AFIQ NABIL BIN ATIMAN

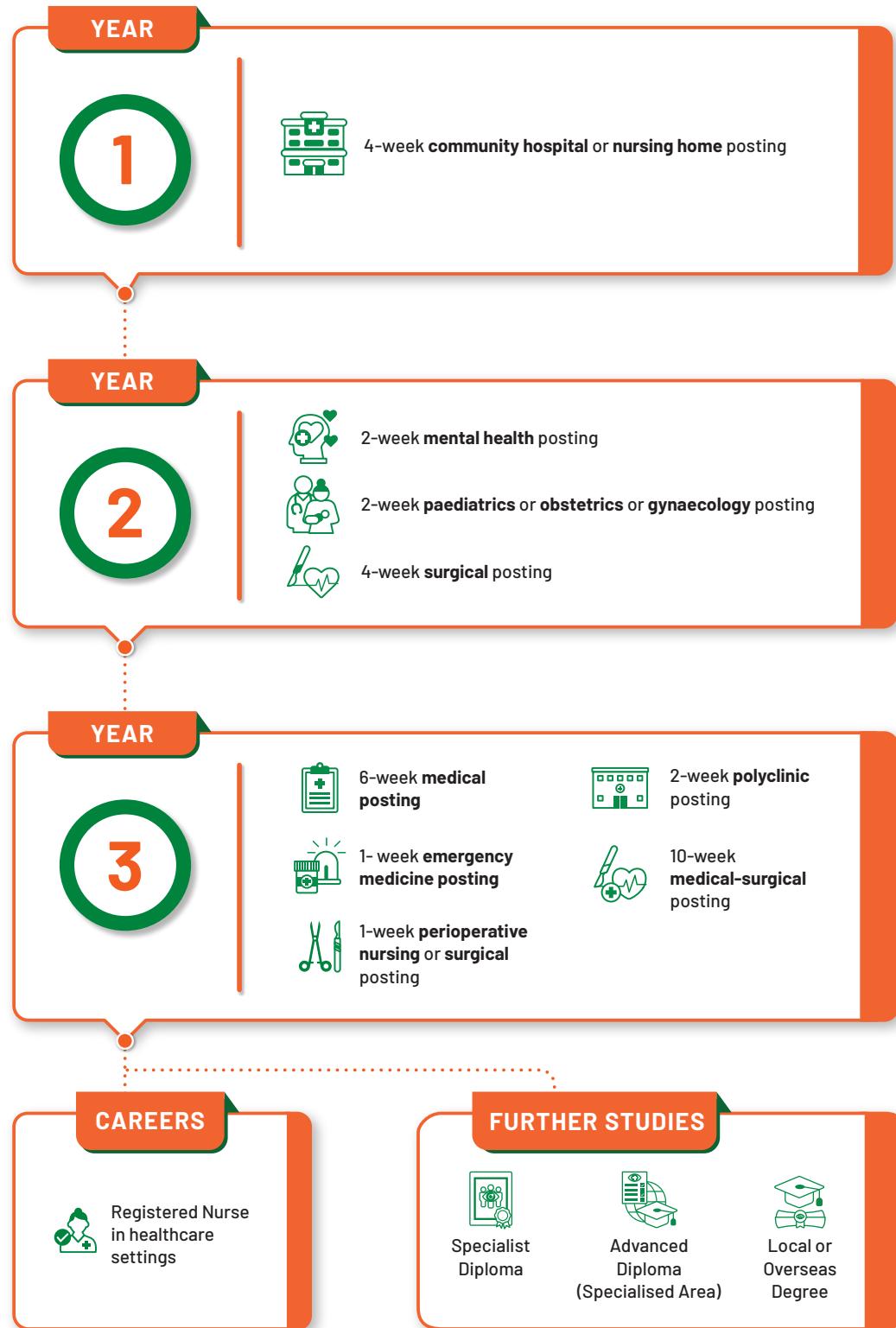
Nursing graduate, Class of 2022

Find out more about his story here:



INDUSTRY-RELEVANT LEARNING

With nine different postings in government and private healthcare settings, you will gain real-world experience for a career head start. Interested in further studies? These hands-on experiences will help you decide on your area of specialisation.



WHAT YOU WILL LEARN

YEAR 1

- Fundamentals of Nursing
- Behavioural Sciences
- Gerontology & Community Nursing
- Introduction to Pharmacology
- Nursing Skills Laboratory 1.1 & 1.2
- Human Biosciences 1.1 & 1.2
- Clinical Practice 1.2
- Innovation Made Possible[^]
- Communication Essentials[^]
- Health & Wellness[^]
- English Language Express^{^*}

YEAR 2

- Nursing Skills Laboratory 2.1 & 2.2
- Integrated Nursing Sciences 2.1 & 2.2
- Clinical Practice 2.1 & 2.2
- Introduction to Nursing Research
- Law, Ethics & Health Care
- Mental Health Nursing and Palliative Care
- Women and Children Health
- World Issues: A Singapore Perspective[^]

YEAR 3

- Integrated Nursing Sciences 3.1
- Nursing Skills Laboratory 3.1
- Nursing Management & Professional Development
- Nursing Elective*
- Clinical Practice 3.2
- Clinical Practice (Specialised)
- Pre-registration Consolidation Practice
- Healthcare Career & Professional Preparation
- Project ID: Connecting the Dots[^]

[^]Interdisciplinary Studies (IS) modules account for 11 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.

*Choose 1 of 3 electives: Patient Management in Chronic Diseases, Digital Health or Evidence-based Nursing

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

PROMOTING HEALTHCARE THROUGH GAMES

Final-year Nursing students Kay Zar Thu, Javier Tan and Seah Yu En participated in the TAP Challenge 2023 to design and conceptualise storyboards for a patient and lay carer empowerment game on the Roblox platform. Their storyboard, titled 'Mom and Baby Trivia' was selected to be developed further into a playable Roblox game.



HEALTHCARE SCHOLARS

In 2023, seven NSG students and graduates received Healthcare Scholarships by MOH Holdings to pursue further studies in allied healthcare or specialised fields. They include the Integrated Nursing Scholarship, Healthcare Merit Award and Community Care Scholarship.

FURTHER STUDIES

Your diploma will open doors for you to pursue degrees in varied fields at accredited universities both locally and abroad.

For example, a total of five NSG graduates have been admitted into the National University of Singapore (NUS) Yong Loo Lin School of Medicine since 2022. Many nursing graduates have also been accepted directly into the second year of the nursing degree course at NUS. Others have pursued degrees in arts, social sciences, psychology, law, biological and life sciences, and more.

You can also gain admission to the Bachelor of Science (Nursing) with Honours programme, jointly offered by the Singapore Institute of Technology and University of Glasgow. Co-created and designed with inputs from the industry and the Ministry of Health, the programme is accredited by the Singapore Nursing Board.

As a professional nurse, you can choose to advance your skills and knowledge in a specialised field by taking up an Advanced Diploma in areas such as Perioperative Nursing, Chronic Disease Management and Critical Care Nursing, or a Specialist Diploma in Palliative Care Nursing or Community Gerontology Nursing.



NATALIE KUI

Nursing graduate, Class of 2022

Pursuing Medicine at the NUS Yong Loo Lin School of Medicine.

CAREER

Upon graduation, you can apply for registration with the Singapore Nursing Board to be a registered nurse and practise in both government and private healthcare settings.



TIFFANY WONG

Health Sciences (Nursing)* graduate, Class of 2019

An NUS scholar, Tiffany completed a nursing degree in NUS' Alice Lee Centre for Nursing. She is a nurse at St. Luke's Hospital.

*Renamed the Diploma in Nursing

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.

All prospective healthcare students must be fully vaccinated against COVID-19 with a vaccine regime recognised in Singapore. Those who are Medically-Ineligible will be subjected to prevailing MOH and healthcare institutions' policies. Those who are Medically-Eligible but wish to remain unvaccinated may not be able to access the healthcare and community care settings to complete their clinical posting and meet the clinical training requirements necessary for graduation or their course completion may be delayed due to restrictions on clinical training. 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 Nursing, log on to www.np.edu.sg/nsg

DIPLOMA IN Optometry Revamped

Get latest updates on course



- ▶ Accredited by the Singapore Optometrists & Opticians Board
- ▶ Acquire **in-demand** professional skills in detecting, diagnosing and managing eye disorders
- ▶ Gain exposure to different optometry practices or specialisation areas through a **16- or 25-week internship**
- ▶ Attend classes delivered by **industry partners** such as eye care product manufacturers
- ▶ Land **rewarding roles** in community-based optometry practices which offer attractive salaries

WHAT THE COURSE IS ABOUT

As one of the five senses, sight is vital to practically everything we do. With an ageing population and an increased prevalence of myopia, you can play a part in improving the quality of eye care with our Diploma in Optometry (OPT). Upon graduation, you can prescribe optical treatments as a registered optometrist. In addition, our broad-based curriculum enables you to explore opportunities in fields other than healthcare.



Curriculum Enhanced with Myopia Concepts

You will be trained by practising optometrists to diagnose vision problems, prescribe and dispense spectacles and contact lenses, as well as recommend eye treatments. Our curriculum covers broader topics such as data analytics, biostatistics & research methods, communication in practice, ethics and optometric practice management. Additionally, modules infused with myopia control management will prepare you to effectively manage myopia cases, particularly among children, and provide quality eye care.

Tech-enabled Learning

Enhance your OPT learning experience with our suite of tech-enabled tools! For example, you can look forward to learning through immersive games, or use VR/AR technology to learn about anterior and posterior eye conditions, and better understand how patients with eye conditions view objects.

You can also look forward to an improved collaborative experience in our optometry lab, which incorporates smart classroom features.

Hands-on Training

By working alongside qualified optometrists to diagnose and manage patients at our Optometry Centre, you will gain valuable real-world knowledge. Opt for a 16-week placement in two different workplaces such as an ophthalmology clinic, eye care product company, and community optometric practice. Or gain exposure to various specialisation areas in optometry, such as myopia management, education and research through a 25-week Specialised Internship Programme in multinational companies like Johnson & Johnson Vision Care and EssilorLuxottica.

Collaboration with Leading Industry Partners

Learn from industry experts through classes co-delivered by partners and hone relevant competencies through industry co-assessments. Industry-led training and workshops on the latest products and technologies by multinational vision care corporations such as Carl Zeiss Vision ensure that you will be kept up-to-date on the newest eye care offerings.

You can also look forward to learning in the NP x ZEISS Management Suite, located within the Optometry Centre. Equipped with state-of-the-art optometric instruments for precise digital eye measurements, you will be proficient in utilising ZEISS' complete range of digital eye examination equipment, empowering you to monitor ocular health progression and myopia development. Upon graduation, you will be equipped to support the digital transformation of optometric and optical practices.



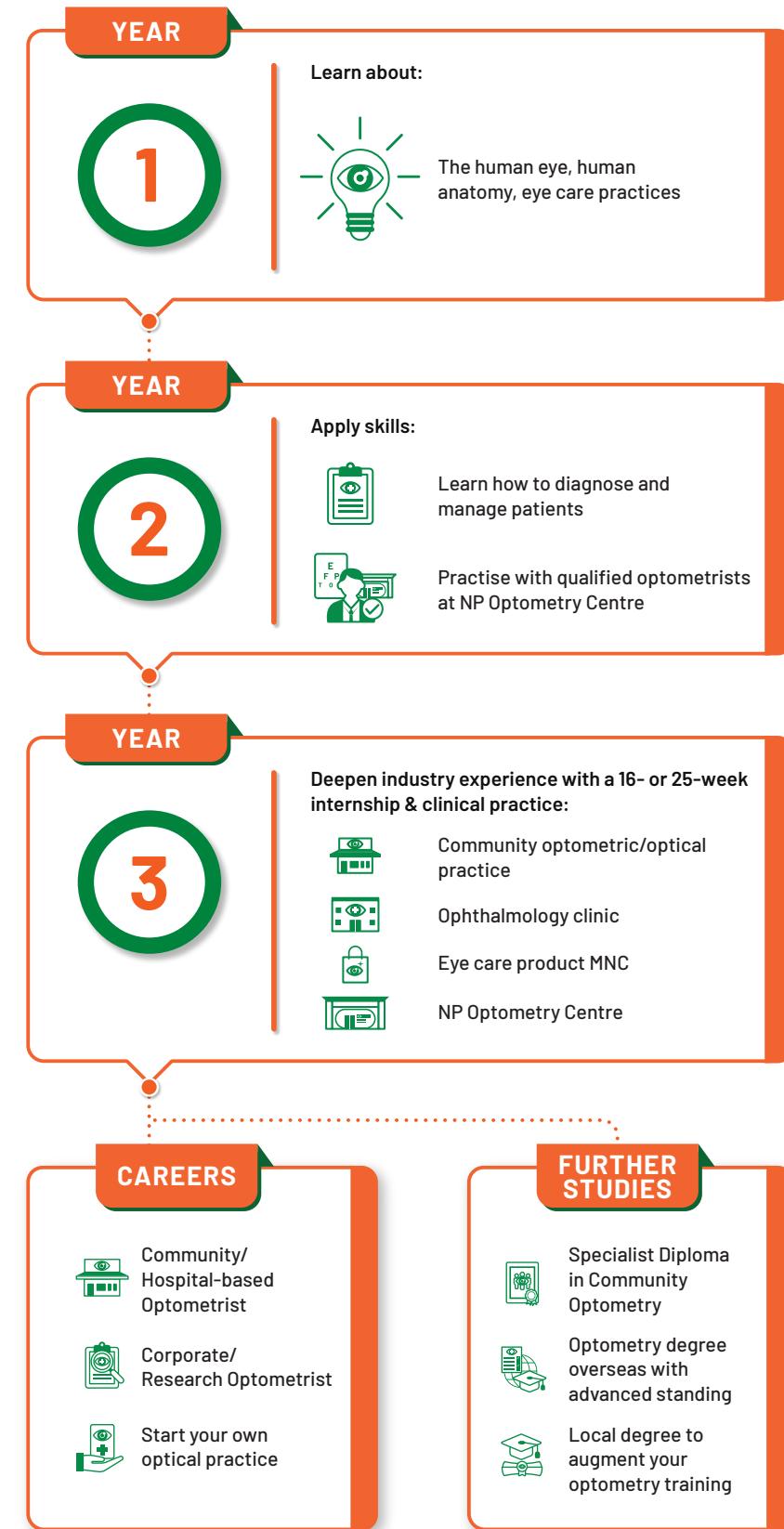
“NP’s OPT course taught me the importance of providing quality eye care services to serve the community. My internship experiences at an ophthalmic lens company and a retail shop deepened my understanding of my role as an optometrist, fuelling my passion for treating patients with eye conditions.”

DANIEL ZHANG

Optometry Graduate, Class of 2023

Daniel is working as an optometrist at Mee Mee Optics.

OVERVIEW OF YOUR OPT JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- General Anatomy & Physiology
- Geometrical & Physical Optics
- Introduction to Data Analytics with Excel
- Ocular Anatomy & Physiology
- General Pathology & Diseases
- Ocular Health Assessment & Disease Management 1
- Refraction
- Ophthalmic Optics & Dispensing
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Ocular Health Assessment & Disease Management 2
- Contact Lens & Fitting 1 & 2
- Ophthalmic Dispensing & Prescribing
- Visual Perception & Instrumentation
- Biostatistics & Research Methods
- Introduction to Optometric Practice
- Binocular & Paediatric Vision
- Clinical Optometry & Communication
- World Issues: A Singapore Perspective[^]

YEAR 3

- Integrated Optometric Practice
- Advanced Optometric Practice
- Advanced Contact Lens Practice
- Optometric Practice Management & Ethics
- Healthcare Career & Professional Preparation (Optometry)
- Ophthalmic Pharmacology
- 16-week Internship or 25-week Specialised Internship Programme
- 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 an Optometry graduate, you will be able to pursue Optometry degree programmes at universities such as:

Australia

- Queensland University of Technology
- University of New South Wales

New Zealand

- University of Auckland

United Kingdom

- Aston University
- Cardiff University
- Glasgow Caledonian University
- University of Manchester

You can also enrol in the Specialist Diploma in Community Optometry offered by NP to deepen your optometric skills and knowledge. Our graduates also have the option to pursue other healthcare degree courses or even degrees in other disciplines such as arts, social sciences, business administration, communications and new media.



CHEN BINGQING
Optometry graduate,
Class of 2018

Bingqing completed her Specialist Diploma in Community Optometry in 2021. She is currently pursuing her degree in Optometry at Cardiff University.



GLENNYS BEH
Optometry graduate,
Class of 2021

Glennys is currently pursuing a Bachelor of Science (Honours) in Life Sciences at NUS.

CAREER

As an Optometry graduate, you can land rewarding roles in community-based optometry practices which draw attractive salaries. Alternatively, you can also work at ophthalmology clinics, eye care product companies, research centres and hospitals.



TAY XIAO TONG
Optometry graduate,
Class of 2017

Xiao Tong graduated with a degree in Optometry and Clinical Practice, and is currently a manager at Lenskart Singapore.



LOW JUN HAO
Optometry graduate,
Class of 2016

Jun Hao is working as a business development executive at Menicon.

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 severe vision deficiency or severe physical impairments may encounter difficulties meeting the course requirements and expectations.

CONTACT US

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

OUR GRADUATES WITH THAT SOMETHING XTRA



NGEE ANN KONGSI GOLD MEDALLIST

During her time at NP, Natalie was selected to be a part of a multidisciplinary team that collaborated with Metropolia University of Applied Sciences in Finland and Hovi Care Singapore to develop a game to aid the rehabilitation of patients with dementia. Her outstanding performance made her the first Nursing graduate in NP to clinch the prestigious Ngee Ann Kongsi Gold Medal. Natalie is currently pursuing a nursing degree at NUS.

NATALIE YEH
Nursing graduate, Class of 2022



LATE BLOOMER TURNED PSC SCHOLAR

Despite struggling with his studies in secondary school, Fiqri persevered and scored well in the N-levels, clinching a spot in NP's Nursing course. He had opportunities to interact with patients, work with experienced professionals, and undergo training through clinical attachments. His efforts paid off as he was offered a PSC scholarship. He is currently pursuing a degree with a double major in Social Work and Public Health at NUS.

FIQRI NUR HAZIQ BIN ABU BAKAR
Health Sciences (Nursing)* graduate, Class of 2020

*Renamed the Diploma in Nursing



TOP NURSING GRAD IN NUS

NP Optometry graduate Amanda's love for the medical side of healthcare prompted her to switch from allied health to nursing. She topped her cohort in NUS and won several awards, including the Lee Kuan Yew Gold Medal, Lilly Medal & Prize in Pharmacology, Singapore Nurses Association Medal and Prize in Nursing, as well as the Thio Kok Foe and Choo Kim Beng Medal and Prize in Nursing. Amanda is currently an emergency nurse at Woodlands Health.

AMANDA LIM
Optometry graduate, Class of 2016



A GLOBETROTTING NGO VOLUNTEER

While working as an assistant manager at Essilor Amera's Philanthropy division, Jovian Brandon volunteers with Non-Governmental Organisations like Essilor Vision Foundation and Sight to Sky. He has travelled as far as Nepal and India to provide eye care services to the underprivileged.

JOVIAN NIGEL BRANDON
Optometry graduate, Class of 2017



THE DOCTOR-NURSE

NP Nursing graduate Kelvin Koh firmly believed that his nursing background would make him a better doctor. Armed with this motivation, Kelvin decided to pursue medicine. He subsequently graduated from the University of Western Australia with a medical degree and is currently working in Melbourne as a general practice registrar.

DR KELVIN KOH
Health Sciences (Nursing)* graduate, Class of 2007

*Renamed the Diploma in Nursing



A SPECIALIST IN CLINICAL RESEARCH

Wen Xin furthered her studies at Aston University and graduated with first class honours in Optometry & Clinical Practice in 2020. Currently the Senior Optometrist at Stan Issacs Optometrists and a clinical researcher at I & Vision Research Centre, Wen Xin runs commercial research projects for practitioners in lens companies.

NG WEN XIN
Optometry graduate, Class of 2017

MADE IT TO MEDICAL SCHOOL

Five NP Nursing graduates (from left) Natalie Kui, Ryan Krishnan, Muhammad Afiq Nabil bin Atiman, A Helena Cattherine and Jolene Tan have made history by securing coveted spots at the NUS Yong Loo Lin School of Medicine.



"I am thankful for the opportunity to work with experienced healthcare professionals and engage with a wide range of patients during my hospital attachments. These experiences fuelled my passion for healthcare and motivated me to pursue Medicine to deepen my skills. I believe the rigorous training at HS will shape me into becoming a better doctor."

RYAN KRISHNAN
Nursing graduate, Class of 2023

SCHOOL OF

INFOCOMM TECHNOLOGY

- ▶ Common ICT Programme
- ▶ Cybersecurity & Digital Forensics
- ▶ Data Science Revamped
- ▶ Immersive Media
- ▶ Information Technology





ict

Taking IT Higher

Fight cybercrime. Transform data into value. Create the next trendy mobile app. Design unforgettable virtual experiences. Build an AI start-up. Develop UX/UI solutions. At the School of InfoComm Technology (ICT), the possibilities are endless!

6 Common ICT Programme (N98)

10 Cybersecurity & Digital Forensics (N94)

15 Data Science (N81) Revamped

20 Immersive Media (N55)

25 Information Technology (N54)

4 DIPLOMAS +1 COMMON ICT PROGRAMME

Common ICT Programme (N98)

Immerse in the world of infocomm technology with foundational modules from different disciplines in your first semester. At the end of the semester, you can continue your learning pathway in one of these diploma programmes:

- Cybersecurity & Digital Forensics
- Data Science
- Immersive Media
- Information Technology

Diploma in Cybersecurity & Digital Forensics (N94)

Specialise in AI for Cybersecurity or Cloud Security and familiarise yourself with industry-recognised cybersecurity platforms and tools. Learn core offensive & defensive cybersecurity skills in a curated and practice-based curriculum with state-of-the-art lab facilities. Boost your portfolio with in-demand industry certifications, and gain a head start with internships of up to one year at renowned organisations.

Diploma in Data Science (N81)

Revamped

Harness the power of data to make strategic business decisions. Prepare for a career in the big data industry by choosing either the Data Engineering or Generative AI specialisation. With the demand for AI talent at an all-time high, you can seize exciting opportunities as a data scientist or data analyst.

Diploma in Immersive Media (N55)

Gain technical and creative skills needed for the cutting-edge field of immersive media, and learn how to bridge design and technology with user experience and user interface (UX/UI) design. You will also learn gamification concepts to develop enjoyable games or extended reality experiences (AR, VR & MR).

Diploma in Information Technology (N54)

Learn how to develop innovative IT solutions, and gain access to unique learning pathways such as the OCBC-NP Technology Young Talent Programme. Customise your curriculum by selecting up to 7 modules from these exciting specialisation areas:

- Artificial Intelligence
- Cloud Computing
- Enterprise Computing
- Software Engineering

Scholarships

Discover a range of exciting scholarships for ICT students:

- Ngee Ann Polytechnic (NP) Scholarship
- Agency for Science, Technology and Research (A*STAR) Science Award (Polytechnic)
- Centre for Strategic Infocomm Technologies (CSIT) Scholarship
- Defence Science Organisation (DSO) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Digital Scholarship
- Public Service Commission (PSC) Scholarship
- Singtel Cyber Security Cadet Scholarship
- Singapore Digital (SG:D) Scholarship (Undergraduate) offered by the Infocomm Media Development Authority (IMDA)
- Smart Nation Scholarship

WHY CHOOSE ICT

Earn professional certifications, gain industry exposure, undertake roles in student development and leadership committees, and create innovative IT solutions. Here at ICT, we offer some of the most sought-after courses that prepare you for a digital future. Here are other reasons why you should choose ICT:



REAL-WORLD LEARNING

Be industry-ready through experiential learning opportunities such as one-year internships, industry projects and networking opportunities.



OPPORTUNITIES TO UPSKILL

Gain an extra edge with professional certifications and attractive scholarships at ICT!



SMART LEARNING SPACES

Experience life on a Smart Campus. Be exposed to the Internet of Things. Learn in cool playlabs equipped with industry-leading software and tools for cybersecurity, analytics, user experience design and agile development. You will embrace a culture of innovation and a new mindset that sees failure as part of the learning process.



HACKATHONS & COMPETITIONS

Discover your potential as you compete in local and overseas competitions. You'll also get the chance to organise workshops, hackathons and tech festivals through which you'll develop as a leader, gain new insights and grow your network.



STRONG INDUSTRY TIES

Our strong links with renowned organisations offer exciting opportunities for learning and talent development.



WHAT INDUSTRY SAYS

"As a leader in cybersecurity, we are proud to support the next generation of talent in Singapore by providing NP with industry expertise. Through insights gleaned from our ongoing collaborations with customers in an ever-changing cyber landscape, our experts impart valuable advice on the AI skills required for students to embark on successful careers in the future. As part of this partnership, students will learn to use AI to identify real-time threats, participate in discussions about industry developments, and better understand the role of a cybersecurity professional."

GERMAINE TAN

Vice-President of Cyber Risk Management, Darktrace



"Technology has been a lifeline during the pandemic, keeping businesses open, students learning, social lives connected and essential services flowing; and it will continue to be the backbone of society as we pivot to the new digital reality. Standing at the forefront of today's tech-driven reality, Dell Technologies is excited to partner with NP to nurture the next generation of young talents who will drive growth and improve lives via technology in our digital future."

ANDY SIM

Vice-President and Managing Director, Dell Technologies (Singapore)



"As more companies accelerate their digital transformation efforts, the tech talent crunch has become a significant challenge. We deeply value the partnership with NP on this very meaningful Technology Young Talent Programme which will contribute significantly towards tackling this issue. Every internship under the programme is customised according to a student's strengths and area of study – which is time consuming to do – but we feel that this is worthwhile in order to develop the right tech talent. We look forward to welcoming our interns and hope to subsequently grow the pool of students under the programme."

PRAVEEN RAINA

Head of Group Operations and Technology, OCBC Bank



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 ICT Programme

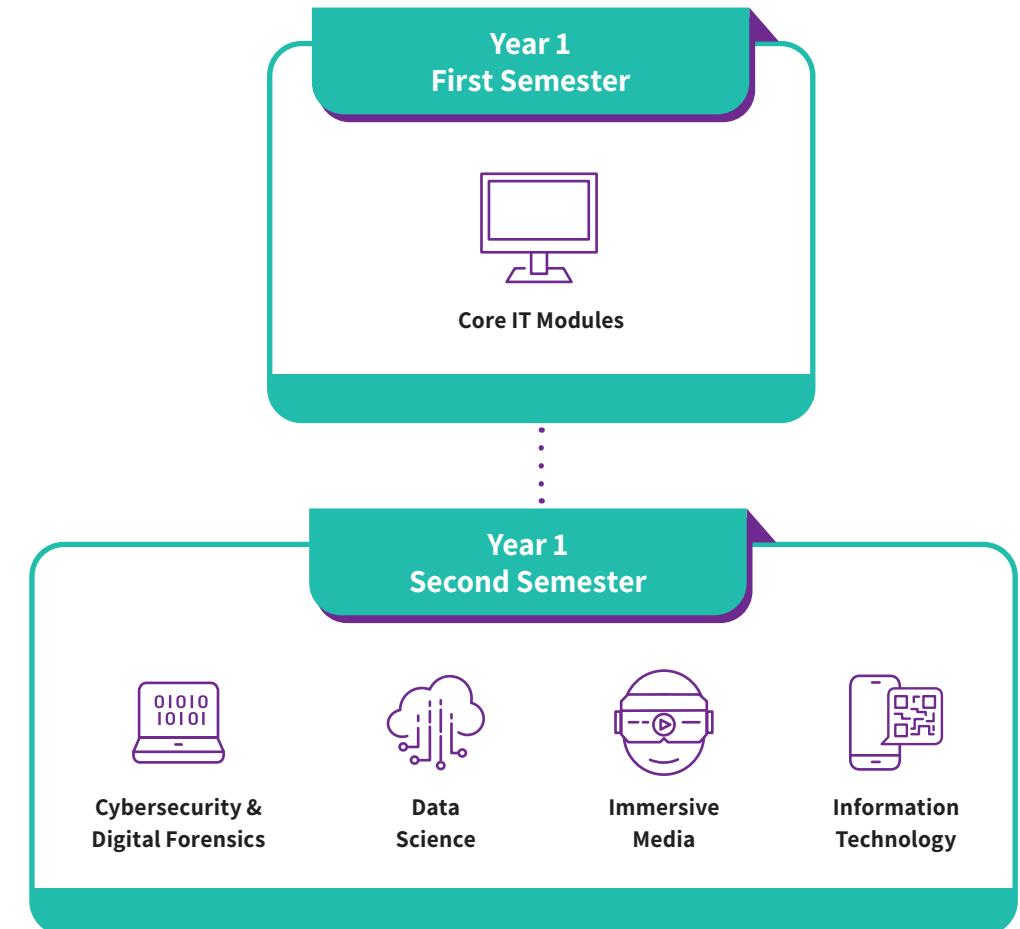


- ▶ **Gateway to one of four popular ICT diplomas:**
 - Cybersecurity & Digital Forensics
 - Data Science
 - Immersive Media
 - Information Technology
- ▶ **Customise your learning** with a wide variety of electives offered in all ICT courses
- ▶ Get set for the digital future with **exposure to industry trends**, and make informed career choices through our career and professional preparation modules

WHAT THE COURSE IS ABOUT

Fascinated by the world of infocomm technology (ICT), but still undecided about which course to pursue? With the Common ICT Programme (CICTP), you'll get to explore different disciplines before choosing your own learning pathway.

In your first semester, you'll be groomed in broad-based fundamentals such as programming and computing mathematics. You'll also be introduced to discipline-specific skills like design principles, cybersecurity concepts and data science in specially designed modules to provide you with an understanding of various roles, practices and career paths. This will help you to discover your interests and aptitude, so that you can choose your preferred discipline at the end of your first semester: Cybersecurity & Digital Forensics, Data Science, Immersive Media or Information Technology.



Plus a wide range of elective modules to choose from

WHAT YOU WILL LEARN

YEAR 1

- Computing Mathematics
- Cyber Security Fundamentals
- Design Principles
- Data Science Fundamentals
- Fundamentals for IT Professionals I*
- Programming I
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- 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:

- Cybersecurity & Digital Forensics (page 10)
- Data Science (page 15)
- Immersive Media (page 20)
- Information Technology (page 25)

YEAR 2

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

YEAR 3

- Modules under the ICT 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.

* For selected students only.

* Career and Professional Preparation I & II are part of the Fundamentals for IT Professionals modules.

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

“The Common ICT Programme is the perfect choice for those who may be uncertain about which specialisation to choose. The introductory modules offer valuable insights into various courses, enabling me to make an informed diploma choice after just one semester.”

WANG YONGQING
Diploma in Cybersecurity & Digital Forensics, Year 3

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 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6

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, severe vision deficiency or hearing deficiency may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP’s Common ICT Programme, visit www.np.edu.sg/cictp

DIPLOMA IN

Cybersecurity & Digital Forensics



Get latest updates on course



- ▶ First diploma course to offer in-demand specialisations in **AI for Cybersecurity** and **Cloud Security**
- ▶ Undergo **internships of up to one year** at renowned organisations
- ▶ Gain an edge with an **industry-driven curriculum** that is specially curated with leading industry partners such as EC-Council, CompTIA, Cisco Systems, Palo Alto Networks, RSA, Group-IB, Darktrace and Red Hat
- ▶ Boost your portfolio with up to **8 industry-recognised certifications** such as Security+, Certified Ethical Hacker, Computer Hacking Forensic Investigator, Cisco Certified Network Associate and Certified Cloud Security Engineer

WHAT THE COURSE IS ABOUT

You are a digital warrior raring to join the fight against cybercrime. Play a crucial role in helping companies keep their data, applications, networks, and systems safe with the Diploma in Cybersecurity & Digital Forensics (CSF).

You will be equipped with a strong foundation in core CSF skills. Couple that with specialisation options and a suite of electives, CSF gives you an edge when you pursue further studies or a career in the sector.

Be Industry-ready

Gain sought-after CSF skills that every organisation will need. You will be trained in core skills such as Windows & Linux server security, cybersecurity operations & threat intelligence, network security, digital forensics, malware analysis, ethical hacking, and web application pen-testing – practical skills that can be applied across diverse industries. Gain exposure to the latest technologies that will keep you relevant at the forefront of the cybercrime battle and learn in an industry-driven curriculum that is specially curated with leading industry partners.

Specialise in Trending Cybersecurity Areas

Get groomed for a career in the future economy with specialisations in AI for Cybersecurity or Cloud Security. With the AI for Cybersecurity specialisation, which is co-developed by global cybersecurity solutions leader Darktrace, you will get in-depth training in machine & deep learning applications and AI tools & techniques for cybersecurity.

Deepen your cloud computing competencies with the Cloud Security specialisation, which features electives on cloud security tools & techniques and cloud native security. Or you could choose the General Track to learn the latest and emerging skills such as mobile and web applications development, data science, blockchain, quantum computing, mobile forensics, and secure software development, among many others.

Partnerships



Get a Professional Head Start

With options of either a six-month or one-year internship at leading organisations such as CSA, CSIT, A*STAR, DSTA, Singtel, PwC, Ensign, Oracle, NTT, and ST Engineering, you will be well-placed to embark on your cybersecurity career.

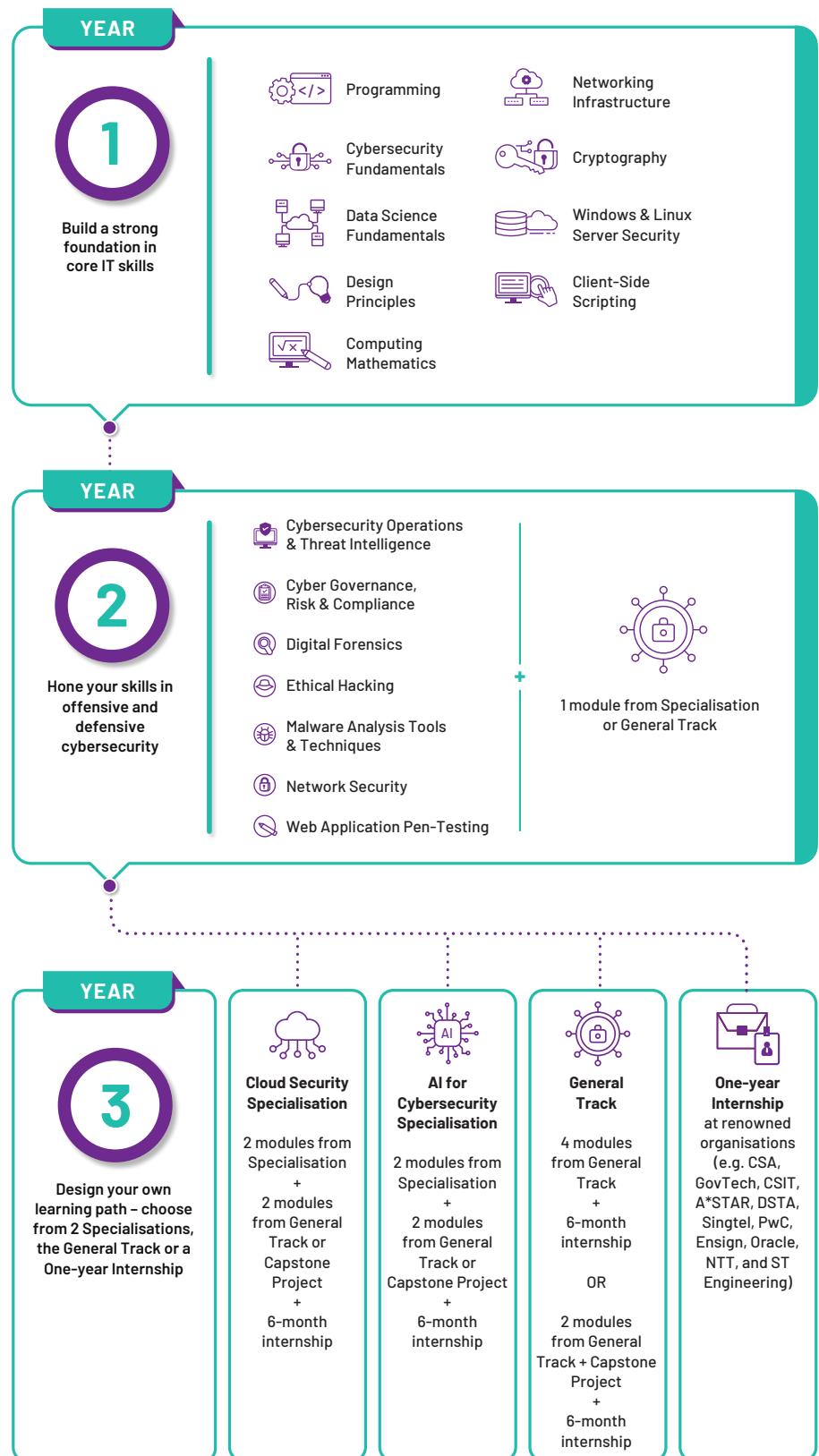
In addition, you can pursue industry-recognised certifications, such as Security+, Certified Ethical Hacker, Computer Hacking Forensic Investigator, Cisco Certified Network Associate, Certified Cloud Security Engineer, Certified SOC Analyst, Red Hat Certified System Administrator and Certified Engineer, AWS Certified Cloud Practitioner, and Palo Alto Networks Certified Network Security Administrator.

Learning Beyond the Classroom

CSF's experiential learning pedagogy means that you will be immersed in realistic cybersecurity settings that simulate the industry environment. As part of your learning journey, you will get trained to use industry-recognised platforms and tools such as Cisco's Networking Academy, EC-Council's CodeRed & CyberQ, Group IB's Managed Extended Detection and Response (Managed XDR), EnCase, RSA's Archer Suite, and many more.

Furthermore, you will get the opportunity to collaborate with our partners on real-world projects such as bug hunting, penetration testing, and cyber threat intelligence. You can also attend masterclasses led by cybersecurity professionals and compete in Capture the Flag competitions, all designed to sharpen your cybersecurity skills.

OVERVIEW OF YOUR CSF JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Client-Side Scripting
- Computing Mathematics
- Cryptography
- Cyber Security Fundamentals
- Data Science Fundamentals
- Design Principles
- Fundamentals for IT Professionals I*
- Networking Infrastructure
- Programming I & II
- Windows & Linux Server Security

YEAR 2

- Cybersecurity Operations & Threat Intelligence
- Cyber Governance, Risk & Compliance
- Digital Forensics
- Ethical Hacking
- Fundamentals for IT Professionals II & III*
- Malware Analysis Tools & Techniques
- Network Security
- Web Application Pen-Testing
- One elective module from Specialisation or General Track
- Communication Essentials^

YEAR 3

- Six-month Internship with four elective modules or One-year Internship^
- Project ID: Connecting the Dots^

^A 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.

* Career and Professional Preparation I & II is part of the Fundamentals for IT Professionals modules.

[#] You will get to work on an industry-driven project, a technopreneurship-enterprise project, or an IT-related project with a local or overseas organisation.

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

General Track

- Applied Analytics
- Back-End Development
- Blockchain
- Capstone Project
- Data Discovery & Visualisation
- Data Structures & Algorithms
- Emerging Trends in IT
- Infocomm Sales & Marketing Strategies
- Mobile Applications Development
- Mobile Device Security & Digital Forensics
- Quantum Computing
- Secure Software Development

Specialisation in AI for Cybersecurity^{*}

- AI Tools & Techniques for Cybersecurity
- Emerging AI Trends in Cybersecurity
- Machine & Deep Learning Applications for Cybersecurity

Specialisation in Cloud Security^{*}

- Cloud Architecture & Technologies
- Cloud Security Tools & Techniques
- Cloud Native Architecture Security

^{*} To graduate with a specialisation, students must successfully complete 3 prescribed electives under that specialisation



WORLDSKILLS TRUMPH

Cybersecurity & Digital Forensics student Qin Guan (middle) won a medallion for excellence in the IT Software Solutions for Business category at WorldSkills Singapore 2023, where he used his programming skills to develop an integrated software system.

FURTHER STUDIES

With our broad-based curriculum, you can find related degree courses at local universities and enjoy advanced standing when you apply for related degree programmes at universities abroad. These include:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- Singapore Management University
- Singapore University of Technology and Design
- Singapore University of Social Science

Australia

- Monash University
- Queensland University of Technology
- University of Adelaide
- University of New South Wales
- University of Queensland
- University of Sydney



ELSA LEE
Cybersecurity & Digital Forensics graduate,
Class of 2023

Elsa was awarded the 2023 Smart Nation Scholarship by the Cyber Security Agency of Singapore (CSA) to pursue a degree in Computer Science at SMU.



TAUFIQ MOHAMMED
Information Security &
Forensics* graduate,
Class of 2022

Taufiq received the Public Service Commission Scholarship (Engineering) to pursue Computer Science at NUS.

*Renamed the Diploma in Cybersecurity & Digital Forensics

CAREER

There is a global shortage of IT cybersecurity professionals, and the Singapore Government has launched a masterplan to grow Singapore's own pool of professionals to address this deficiency. With our course skills mapped to the ICT Skills Framework - Cybersecurity Track, you can look forward to pursuing a career in the following roles:

- Associate Security Analyst / Engineer
- Cyber Risk Analyst
- Forensic Investigator
- Security Engineer / Executive
- Security Operations Analyst
- Vulnerability Assessment and Penetration Testing Analyst

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 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6

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 severe 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 Cybersecurity & Digital Forensics, visit www.np.edu.sg/csf

DIPLOMA IN Data Science Revamped

Get latest updates on course



- ▶ Become a highly sought-after AI talent with a solid foundation in data analytics and machine learning
- ▶ Gain hands-on experience in a **one-year Industry Kickstart Programme**
- ▶ Choose from two exciting specialisation areas: **Data Engineering or Generative AI** New
- ▶ Earn professional certifications from industry leaders such as SAP Analytics Cloud, Salesforce, Alteryx and Singapore Computer Society

WHAT THE COURSE IS ABOUT

With each click, like and share, data is being created every second around the world. There's never been a greater demand for data science professionals to help businesses derive customer insights, drive traffic and boost profits. If you have a passion for data analytics and machine learning, and aspire to join the big data industry, the Diploma in Data Science (DS) is the course for you!

Plus, you will tap into the expertise of ICT, co-founder of the Data School, with leading industry partners such as OCBC and Indorse.

Learning for the Future Economy

To ensure that you're well-equipped for the digital future, you'll build core skills in programming, databases and analytics. Besides understanding data science fundamentals and how they affect the competitiveness of organisations, you'll also learn key statistical concepts and data visualisation techniques for analyses and presentations. These competencies will stand you in good stead when you pursue a career as a data analyst, junior data scientist, associate data engineer or associate business analyst.

Exposure to Reputable Enterprise Platforms

With exposure to reputable enterprise platforms including Microsoft Azure, Salesforce, Tableau, SAP, and Alteryx, you'll develop strong programming and analytical skills that are vital in managing the AI project life cycle. With these skills and knowledge, you will be well-positioned to launch future careers in project management and business consultancy.

Specialise in Emerging Areas

Get equipped for a career in the growing data science field with specialisations in Data Engineering or Generative AI. With the Data Engineering specialisation, which is co-developed by industry partners including Alteryx, Denodo and Snowflake, you will get in-depth training in data pipeline, data virtualisation and data wrangling.

Deepen your competencies in Generative AI through modules covering deep learning, generative AI tools and techniques, as well as generative AI solutioning. Our robust curriculum will prepare you for careers in this ever-evolving field.

Experiential Learning

Leveraging our strong industry links, you'll get to go on a one-year Industry Kickstart Programme to enhance your workplace readiness. Integrating skills and knowledge, you'll embark on industry-driven data science projects that let you explore emerging trends and apply machine learning techniques in end-to-end data science workflows.

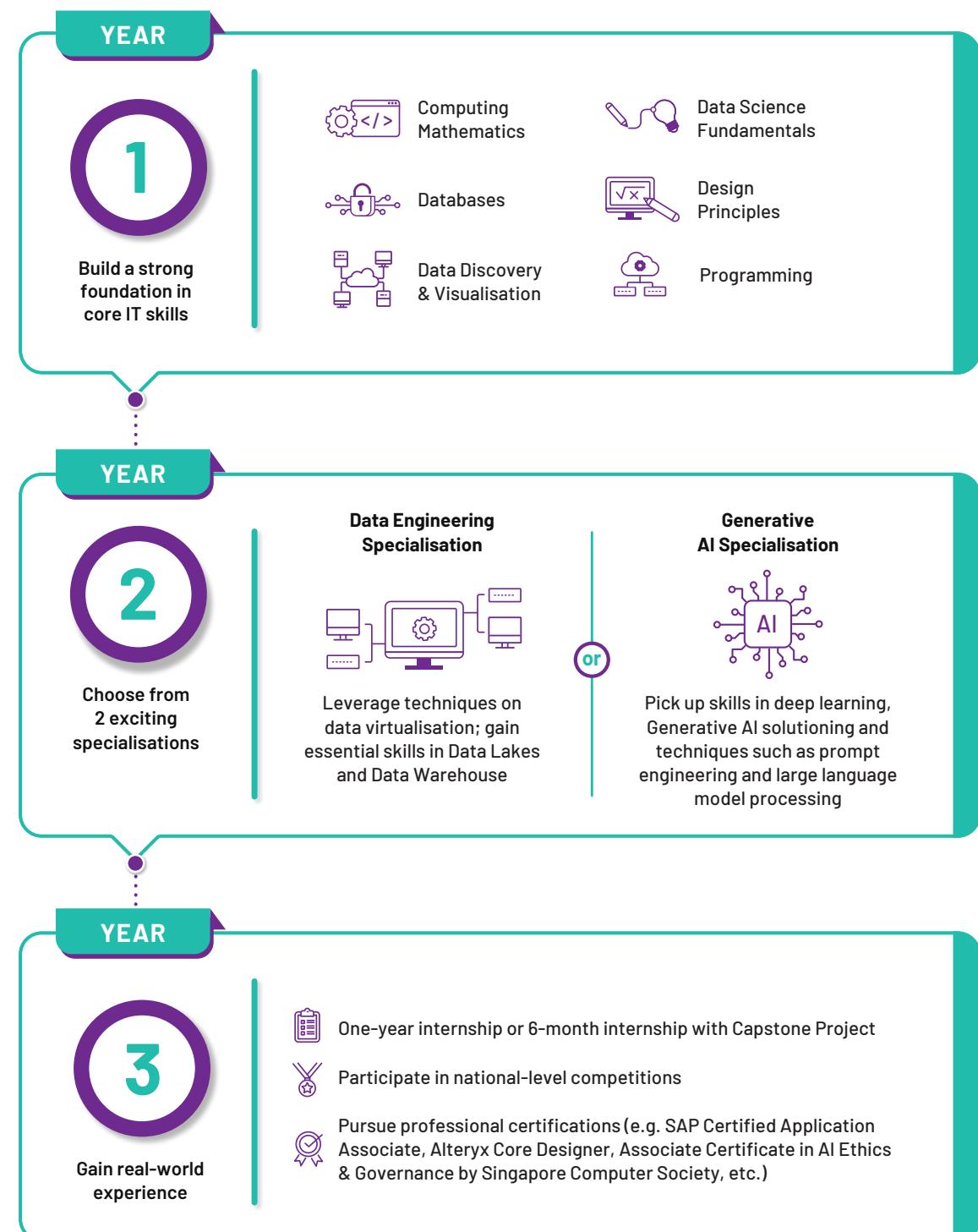
Keen to dive even further into AI? Join ICT's Artificial Intelligence Special Interest Group where you'll have hands-on experience in machine learning and AI applications, and learn from industry through events, competitions and talks.

You can also look forward to internships, workshops, field trips, and industry mentorship as part of your learning journey in DS. Plus, you'll have opportunities to put your skills to the test in national-level competitions like the PolyFintech100 Hackathon.

Industry Certifications

To get an added edge at the workplace, you can pursue additional professional certifications, such as Salesforce's Lightning Experience Reports & Dashboards Specialist Superbadge, Alteryx Core Designer and Associate Certificate in AI Ethics & Governance by Singapore Computer Society.

OVERVIEW OF YOUR DS JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Computing Mathematics
- Cyber Security Fundamentals
- Databases
- Data Discovery & Visualisation
- Data Science Fundamentals
- Design Principles
- Fundamentals for IT Professionals I*
- Mathematics for Data Science
- Programming I & II
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Agile DataOps
- Intelligent Enterprise Systems
- Data Wrangling
- Emerging Trends in Data Science
- Fundamentals for IT Professionals II & III*
- Machine Learning I & II
- Three elective modules⁺
- World Issues: A Singapore Perspective[^]

YEAR 3

- Capstone Project with six-month Internship and two elective modules^{*} OR One-year Internship[#]
- Project ID: Connecting the Dots[^]

*Elective Modules

General Track

- AI Tools & Techniques for Cybersecurity
- Artificial Intelligence Concepts and Techniques
- Blockchain
- Cloud Databases
- Cloud Architecture and Technologies
- Customer Experience Management
- Designing User Experience
- Digital Transformation
- Emerging AI Trends in Cybersecurity
- Financial Ecosystem
- Infocomm Sales & Marketing Strategies
- Machine & Deep Learning Applications for Cybersecurity
- Mobile Applications Development
- Modern Artificial Intelligence
- Reinforcement Learning

Specialisation in Generative AI

- Deep Learning
- Generative AI Tools & Techniques
- Generative AI Solutioning

Specialisation in Data Engineering

- Distributed Data Pipelines
- Data Virtualisation
- Data Lake and Data Warehouse

[^] 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.

^{*} Career and Professional Preparation I & II are part of the Fundamentals for IT Professionals modules.

[#]You will get to work on an industry-driven project, a technopreneurship-enterprise project, or an IT-related project with a local or overseas organisation.

⁺You will need to complete 3 prescribed electives to graduate with a specialisation.

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

Receive advanced standing when you apply for related degree programmes at universities both locally and abroad. These include:

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- Singapore Management University
- Singapore University of Technology and Design

You can also look forward to pursuing a specialist diploma in an analytics-related field and other advanced diploma courses at local polytechnics.



EVELYN PEH

Financial Informatics* graduate, Class of 2019

Pursuing a degree in Information Systems with a specialisation in FinTech and Business Analytics at SMU.

*Renamed the Diploma in Data Science

CAREER

With the amount of data growing exponentially, there is a greater need for professionals who can read and analyse it. As Singapore aims to be a global hub for developing, test-bedding, deploying and scaling AI solutions, there will be an increased demand for professionals who possess skills in areas such as data extraction and wrangling, as well as machine learning and deep learning techniques. You can look forward to pursuing careers in these job roles upon graduation:

- Artificial Intelligence Engineer
- Associate Business Analyst
- Associate Data Engineer
- Data Analyst
- Data Engineer

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 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6

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 severe 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 Data Science, visit www.np.edu.sg/ds

DIPLOMA IN
Immersive Media



- ▶ Design and develop immersive experiences and games that feature **augmented, virtual and mixed realities (AR/VR/MR)**
- ▶ **Build your portfolio** by working on integrated projects that hone your skills through our unique Project-Based Learning approach
- ▶ Opportunities to work on **capstone projects** and go on **internships** at renowned organisations such as HelloHolo, UbiSoft, White Label Studio, The Doodle People, En Group and UXArmy
- ▶ Gain insights into the IT and creative media industries with **masterclasses, industry visits, networking sessions and collaborations**

WHAT THE COURSE IS ABOUT

Technology is advancing more rapidly than ever before, with new forms of digital media disrupting the industry. Digitalisation has skyrocketed in every industry, with a need for creative professionals who can drive digital engagement through immersive platforms.

If you have a passion for interactive media, simulations or games development, and a creative streak to fuel your talent, the Diploma in Immersive Media (IM) can groom you to be a part of this cutting-edge industry.

Uncover a world of possibilities and transport users on a journey to realms beyond their flat screens with Augmented, Virtual and Mixed Realities (AR/VR/MR). You will get to develop digital products ranging from web applications to extended reality platforms using your design & programming skills in a project-based environment.

Take these further with training in user experience (UX) and user interface (UI) design, as well as an understanding of the real-time environment design workflow. With IM, you can look forward to openings in the vibrant creative and tech industries as a UX/UI designer, app or web developer, technical/3D artist and immersive media designer.

Project-Based Learning

As an IM student, you will benefit from our signature Project-Based Learning pedagogy. Instead of sitting for exams, you will build your portfolio by working on an Integrated Project every semester.

Work with your teammates to set up a creative studio start-up that simulates renowned companies like Meta, White Label Studio or HelloHolo. You may work on game development, design interactive 3D experiences or create media content for multiple platforms. You can even conceptualise your very own metaverse and bring it to life! At the end of your learning journey, you will have a stellar portfolio that will highlight your industry-relevant skills and gives you an added advantage in your career.

Industry Immersions

Hear from industry insiders and pick up valuable insights through masterclasses, industry visits, networking sessions and collaborations. Embark on internships and contribute to real-world projects at HelloHolo, The Doodle People and White Label Studio; Ubisoft, a leading games company; and UXArmy, a company focusing on UX research. Moreover, look forward to earning professional certifications from industry leaders like Unity Technologies and Adobe to gain a competitive edge when you embark on your career!

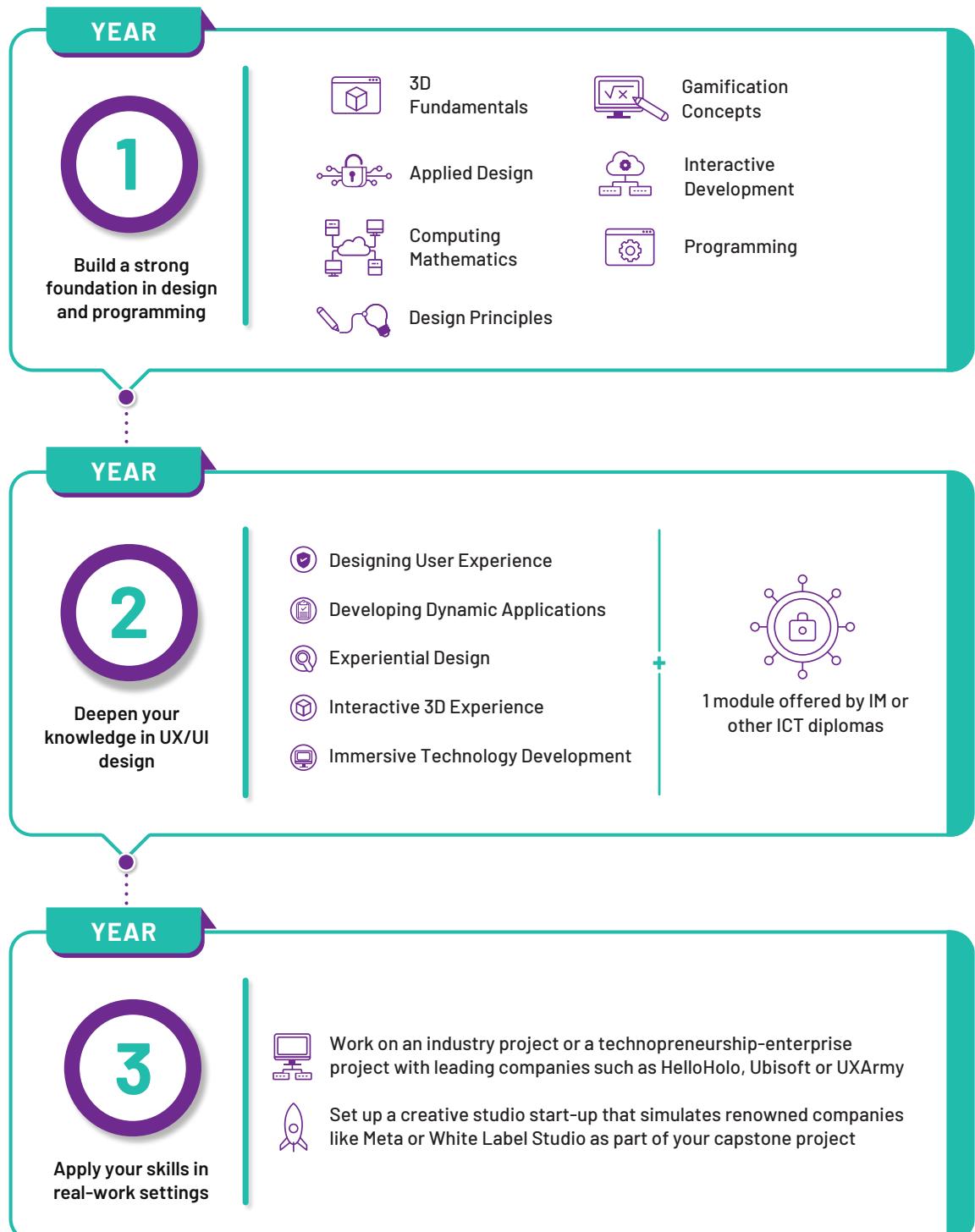
Scan the QR code to check out some of our students' projects!



Partnerships



OVERVIEW OF YOUR IM JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- 3D Fundamentals
- Applied Design
- Computing Mathematics
- Cyber Security Fundamentals
- Design Principles
- Data Science Fundamentals
- Fundamentals for IT Professionals I*
- Gamification Concepts
- Interactive Development
- Production Management
- Programming I
- Health & Wellness^
- Innovation Made Possible^
- Communication Essentials^
- English Language Express^**

*Elective Modules

- 3D Character Creation
- 3D Prototyping
- Digital Audio Design
- Digital Video & Audio
- Motion Graphics & Effects
- Procedural Modelling & Simulation
- Serious Games & Simulation
- Social Media & Branding

[^] 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.

* Career and Professional Preparation I & II are part of the Fundamentals for IT Professionals modules.

You will get to work on an industry-driven project, a technopreneurship-enterprise project, or an IT-related project with a local or overseas organisation.

⁺ You will be able to choose from a basket of electives offered or take electives offered by other Diplomas.

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

YEAR 2

- 3D Environments
- 3D for Real-time
- Designing User Experience
- Developing Dynamic Applications
- Experiential Design
- Fundamentals for IT Professionals II*
- Immersive Technology Development
- Interactive 3D Experience
- Spatial Theory & Level Design
- One elective module⁺
- World Issues: A Singapore Perspective^

YEAR 3

- Capstone Project
- One elective module⁺
- Fundamentals for IT Professionals III*
- Internship#
- Project ID: Connecting the Dots^

FURTHER STUDIES

You may receive advanced standing when you apply for related degree programmes at universities both locally and abroad. These include:

Singapore

- DigiPen Institute of Technology
- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- Singapore University of Social Sciences
- Singapore University of Technology and Design

Australia

- Queensland University of Technology
- RMIT University

United Kingdom

- The Glasgow School of Art
- University of Hertfordshire

United States

- Savannah College of Art and Design
- University of Southern California

CAREER

With our course skills mapped to the ICT Skills Framework, you can look forward to pursuing a career in these job roles:

- 3D Artist
- Creative Technologist
- Digital Content Creator
- Extended Reality (AR/VR/MR) Designer
- Extended Reality (AR/VR/MR) Developer
- Front-End Designer
- Game Developer
- Game Designer
- Game Interface Designer
- Junior Designer
- Junior Programmer
- Level Designer
- Multimedia Designer
- Producer
- UI/UX Designer
- Visual Designer
- Web Designer

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 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6

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, severe vision deficiency or hearing deficiency may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

Students are required to own a MacBook or Windows notebook and purchase art materials.

DIPLOMA IN**Information Technology**

Get latest updates on course



- Get well-equipped for the future economy with a strong foundation in full stack development and software engineering
- Choose from four exciting specialisation areas: Artificial Intelligence, Cloud Computing, Software Engineering and Enterprise Computing
- Deepen your skill sets with our one-year Technology Young Talent Programme with OCBC
- Acquire real-world skills by earning professional industry certifications from renowned organisations, including IBM, AWS and SalesForce

CONTACT US

For the most up-to-date information on NP's Diploma in Immersive Media, visit www.np.edu.sg/im

WHAT THE COURSE IS ABOUT

Embark on a dynamic journey into the world of technology with our Diploma in Information Technology. This intensive course is meticulously crafted to equip you with the essential skills and knowledge sought after by today's tech-driven industries.

With this broad-based diploma, you will gain a strong foundation that will help you to excel in further studies or a career in emerging areas such as artificial intelligence, blockchain, cloud computing and data analytics. We will equip you with core computing skills in programming, networking, databases and operating systems, so you can develop web applications and design business IT solutions.

Along the way, you will get to build your digital portfolio with a capstone project and showcase your competencies to potential employers. Plus, get a head start in your career by earning industry certifications from leading organisations like IBM, AWS and Salesforce.

Develop Competencies in Full-Stack Development

You will gain skills to become a full-stack developer and be well-versed in software engineering, as well as front- and back-end application development. You will learn to use coding and apply user engagement strategies that integrate front interface and back-end components to create seamless user experiences.

Specialise in Key Growth Areas in IT

Owning your learning by choosing the modules that best fit your interests and aptitude.

Beyond core modules – such as design principles, cyber security fundamentals, and programming – to build a strong foundation in IT concepts, our flexible curriculum structure allows you to expand your competencies by specialising in one of these four areas: Artificial Intelligence, Cloud Computing, Software Engineering or Enterprise Computing.

Alternatively, you can choose the general track and select any seven electives to broaden your skill sets. With our extensive range of electives, you will get schooled in emerging technologies like machine learning, cloud databases, blockchain, game programming, robotic process automation and digital forensics.

Gain a Professional Head Start

To advance your career, you can pursue additional professional certifications related to your field or interest, such as Certified Scrum Master, AWS Certified Cloud Practitioner, Salesforce ADX 201 Certification, UiPath Certified RPA Associate, and Tableau Desktop Specialist.

Experiential Learning with Industry

Many elective modules are co-delivered with our industry partners such as Dell, Google, IBM, Microsoft, Salesforce and SAP, so you can be sure that you will be well-prepared for the industry when you graduate.

To give you an edge in your career, there are also curated opportunities such as our exclusive one-year Technology Young Talent Programme at OCBC. You can also look forward to valuable networking opportunities with industry professionals.

WHAT YOU WILL LEARN

YEAR 1

- Computing Mathematics
- Cyber Security Fundamentals
- Databases
- Data Science Fundamentals
- Design Principles
- Front-End Development
- Fundamentals for IT Professionals I*
- Operating Systems & Networking Fundamentals
- Programming I & II
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{**}

YEAR 2

- Back-End Development
- Designing User Experience
- Full Stack Development Project
- Fundamentals for IT Professionals II & III*
- Software Analysis and Design
- Software Project Management
- Three elective modules from Specialisation or General Track
- World Issues: A Singapore Perspective[^]

YEAR 3

- Six-month Internship with up to four elective modules from other Specialisations/Common Electives or One-year 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.

^{*} Career and Professional Preparation I & II are part of the Fundamentals for IT Professionals modules.

[#] You will get to work on an industry-driven project, a technopreneurship-enterprise project, or an IT-related project with a local or overseas organisation.

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



SAF YOUNG LEADER

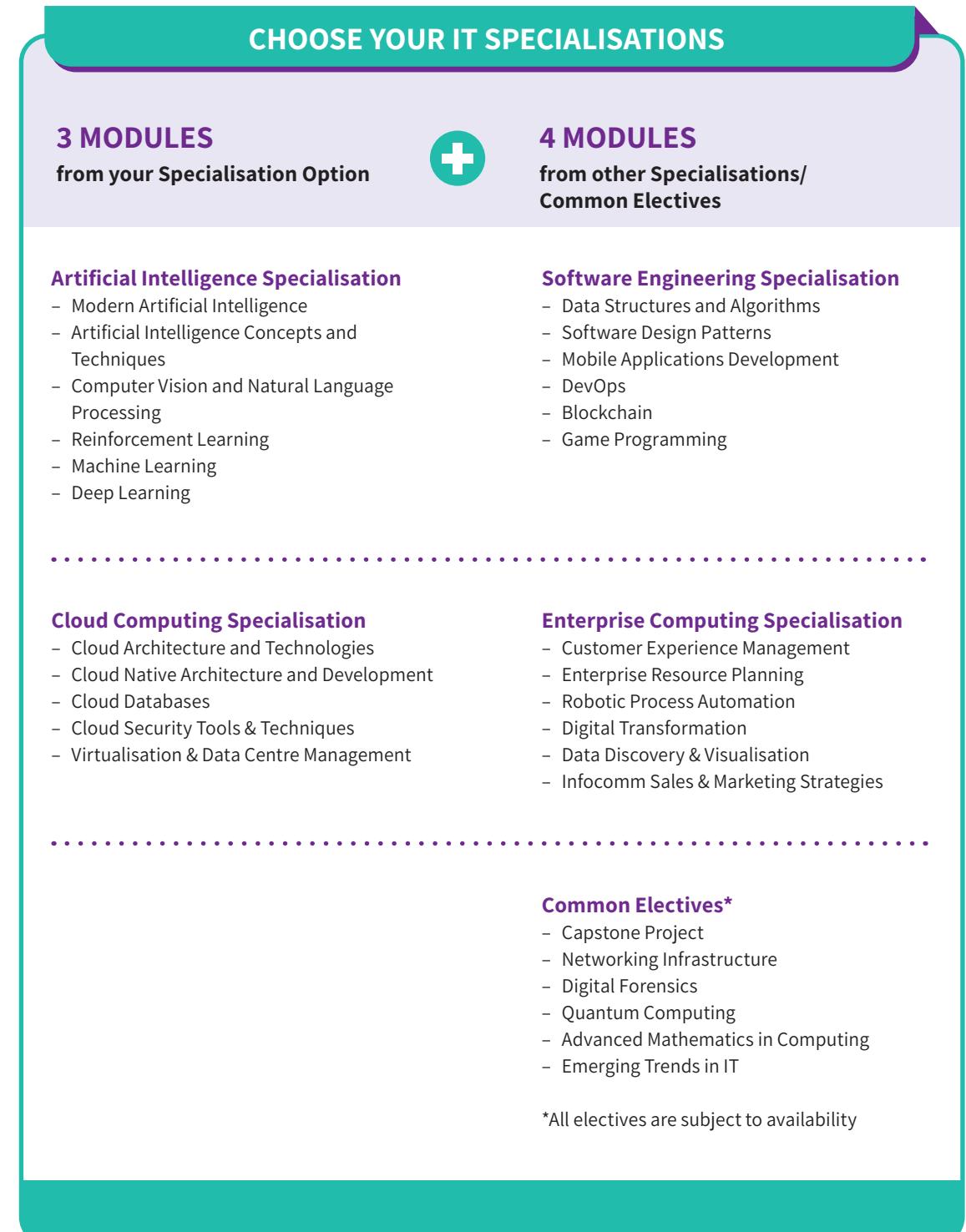
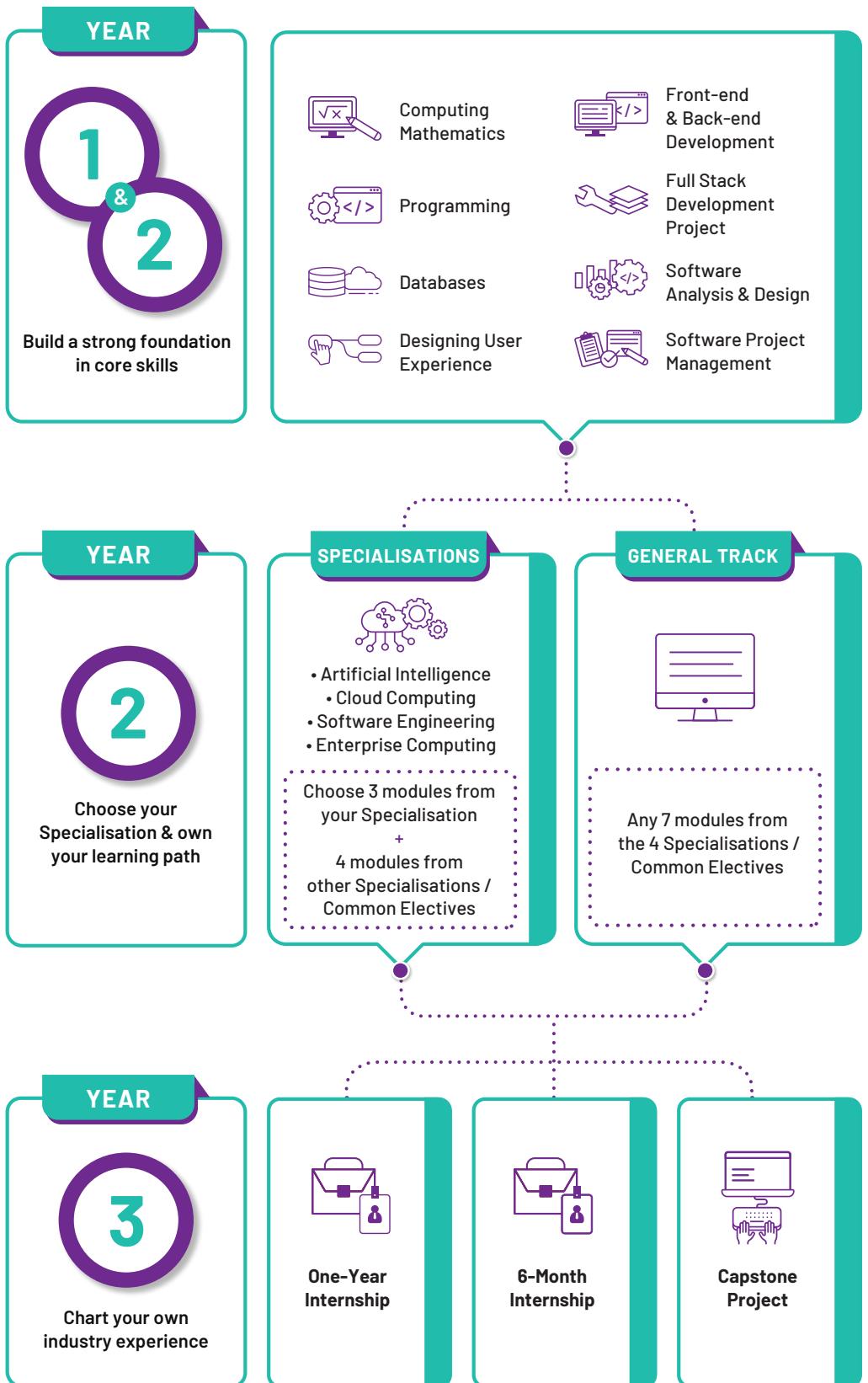
"From competing in WorldSkills Singapore to visiting top tech firms, studying IT in NP has given me many opportunities to grow my tech skills. I hope to contribute to the nation through the development of cutting-edge generative cybersecurity technologies and formulation of tech-related defence policies."

KOH EN YANG

**Diploma in Information Technology,
Year 3**

En Yang is a recipient of the prestigious MINDEF SAF Young Leader Award.

OVERVIEW OF YOUR IT JOURNEY



FURTHER STUDIES

You can receive advanced standing when you apply for related degree programmes at universities both locally and abroad. These include:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- Singapore Management University
- Singapore University of Social Sciences
- Singapore University of Technology and Design

Australia

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

United Kingdom

- University of Essex
- University of Kent
- University of Manchester
- University of Newcastle



KOH WEE XUAN
Information Technology
graduate, Class of 2021

A recipient of the IMDA iPoly Scholarship, Wee Xuan will be pursuing a degree in computer science at NTU.



JOEY AW
Information Technology
graduate, Class of 2019

Currently pursuing a Bachelor in Computer Science at NUS.

CAREER

With our course skills mapped to the ICT Skills Framework, you can look forward to pursuing a career in these job roles:

- Applications Developer
- Back-End Developer
- Channel Sales Executive
- Cloud Engineer
- Customer Experience Manager
- Database Administrator
- Data Analyst
- Data Engineer
- Front-End Developer
- Full Stack Developer
- Infrastructure Executive
- Platform Engineer
- Pre-/Post-Sales Consultant
- Systems Analyst
- Technical Support Executive
- UI/UX Designer



AARON TAN
Information Technology
graduate, Class of 2004

Co-founder of Carro, Singapore's largest AI-driven used car marketplace.



JONAISAH SAHIDJUAN
Information Technology
graduate, Class of 2016

Business Development Associate at Salesforce, one of the largest technology companies in the world.

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 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6

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 severe 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 Information Technology, visit www.np.edu.sg/it

OUR GRADUATES WITH THAT SOMETHING XTRA



FOUNDER OF FAST-GROWING START-UP

"One of the best decisions in my life was joining ICT. Not only did I learn to become a better programmer, I also developed leadership skills and the mindset of a business owner during my time at NP. Thanks to ICT, I had the opportunity to participate in the WorldSkills competition, an experience that has made a significant impact in my life."

AARON TAN

Information Technology graduate, Class of 2004

Aaron is the co-founder of Carro, an online car marketplace with a regional footprint that covers Singapore, Malaysia, Indonesia and Thailand. The company raised more than S\$480 million in June 2021 to become one of Singapore's unicorns.



ENHANCING USER EXPERIENCES

"Immersive media is an exciting field that allows me to use digital media tools to create engaging 3D content. The skills that I've picked up in ICT have helped me in my role as a mixed-reality developer, enabling me to experiment with extended realities to enhance user experiences."

KRYSYAL YAMIN

Immersive Media and Game Design* graduate, Class of 2021

Krystal was the Gold Medallist of her cohort and a recipient of the Ngee Ann Polytechnic Scholarship. She is pursuing a Bachelor of Science in Computer Science in Real-Time Interactive Simulation at Digipen Institute of Technology.

*Renamed the Diploma in Immersive Media



MAKING DESIGN COUNT

"My internship allowed me to gain a holistic understanding of the creation process, which helps me to develop more practical and intuitive designs. Through IM, I learnt that design goes beyond aesthetics. It must also be useful and fulfill needs to help people who need them the most."

ELICIA NG

Immersive Media graduate, Class of 2023

A recipient of the IMDG Gold Medal & Prize and the Ngee Ann Polytechnic Outstanding Achievement Award, Elicia is currently pursuing a degree in Communications and New Media at NUS.



FIGHTING CYBERCRIME

"CSF nurtured my patience and resolve to keep cyber attacks at bay. Thanks to my training in NP, I am able to identify and fix vulnerabilities easily, and build stronger web defenses."

SEH XIN RU

Information Security & Forensics* graduate, Class of 2019

A recipient of the Smart Nation Scholarship, Xin Ru graduated with a Bachelor of Computing in Information Security at NUS. She is now a systems engineer at the Cyber Security Agency of Singapore.

*Renamed the Diploma in Cybersecurity & Digital Forensics



EQUIPPED FOR THE FUTURE

"During my time at ICT, I had the chance to acquire essential technical skills and gain valuable industry exposure, which has prepared me for a career in cybersecurity. I am eager to apply this knowledge to further my professional growth and make meaningful contributions to the community."

MUHAMMAD ZAIDAN SANI

Information Security & Forensics* graduate, Class of 2021

Zaidan was the Silver Medallist and valedictorian of his cohort. A recipient of the Ngee Ann Polytechnic Scholarship and the A*STAR Science Award (Poly), he was also the executive vice president of ORION. He is pursuing a Bachelor in Computer Science at NUS.

*Renamed the Diploma in Cybersecurity & Digital Forensics



CREATING INNOVATIVE BUSINESS SOLUTIONS

"My time at NP has been a fulfilling journey that paved the way for my career pursuits. The challenging yet enriching curriculum not only expanded my knowledge but also played a pivotal role in refining my character."

IMZUMI CHIA

Financial Informatics* graduate, Class of 2023

Imzumi is working as a FICO (finance accounting and controlling) consultant for cbs Corporate Business Solutions, APAC. She works with clients to design, build and deploy SAP-based enterprise resource planning solutions to support their business and organisational goals.

*Renamed the Diploma in Data Science



TECH FOR GOOD

"My internship at GovTech was an eye-opening one as it enabled me to see firsthand how building mobile applications such as SingPass and anti-scam app Scamshield could benefit the community. I hope to create solutions that help others."

TAUFIQ MOHAMMED

Information Security & Forensics* graduate, Class of 2022

A recipient of the Public Service Commission Scholarship (Engineering) award, Taufiq will pursue a degree in Computer Science at NUS.

*Renamed the Diploma in Cybersecurity & Digital Forensics

535 Clementi Road Singapore 599489

Admissions Hotline: 6463 1233

askNP@np.edu.sg

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

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).

6 Common Science Programme (N15)

9 Biomedical Science (N59)

14 Pharmaceutical Science (N73) Revamped

19 Landscape Design & Horticulture (N57) Revamped

24 Chemical & Biomolecular Engineering (N56) Revamped

29 Environmental & Water Technology (N74) Revamped

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/lsc

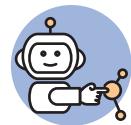
WHY CHOOSE LSCT

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



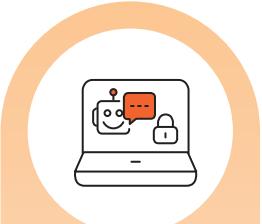
Global Readiness Pathway

- 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

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

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 pharmaceutics 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

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!

Partnerships



OVERVIEW OF YOUR LDH JOURNEY

3 focus areas



Landscape Design



Horticulture Management



Plant Science

What do you learn?



Softscape Design



Landscape Design Communication



Urban Landscape Management



Urban Agri-Technology



Plant Anatomy & Morphology



Plant Physiology & Breeding

How do you learn?



Work on projects such as designing landscape experiences



Internships



Experiential off-campus learning at parks and nature reserves

Job prospects



Landscape Designer



Landscape Architect



Horticulturist



Research Officer



Urban Farmer

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

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

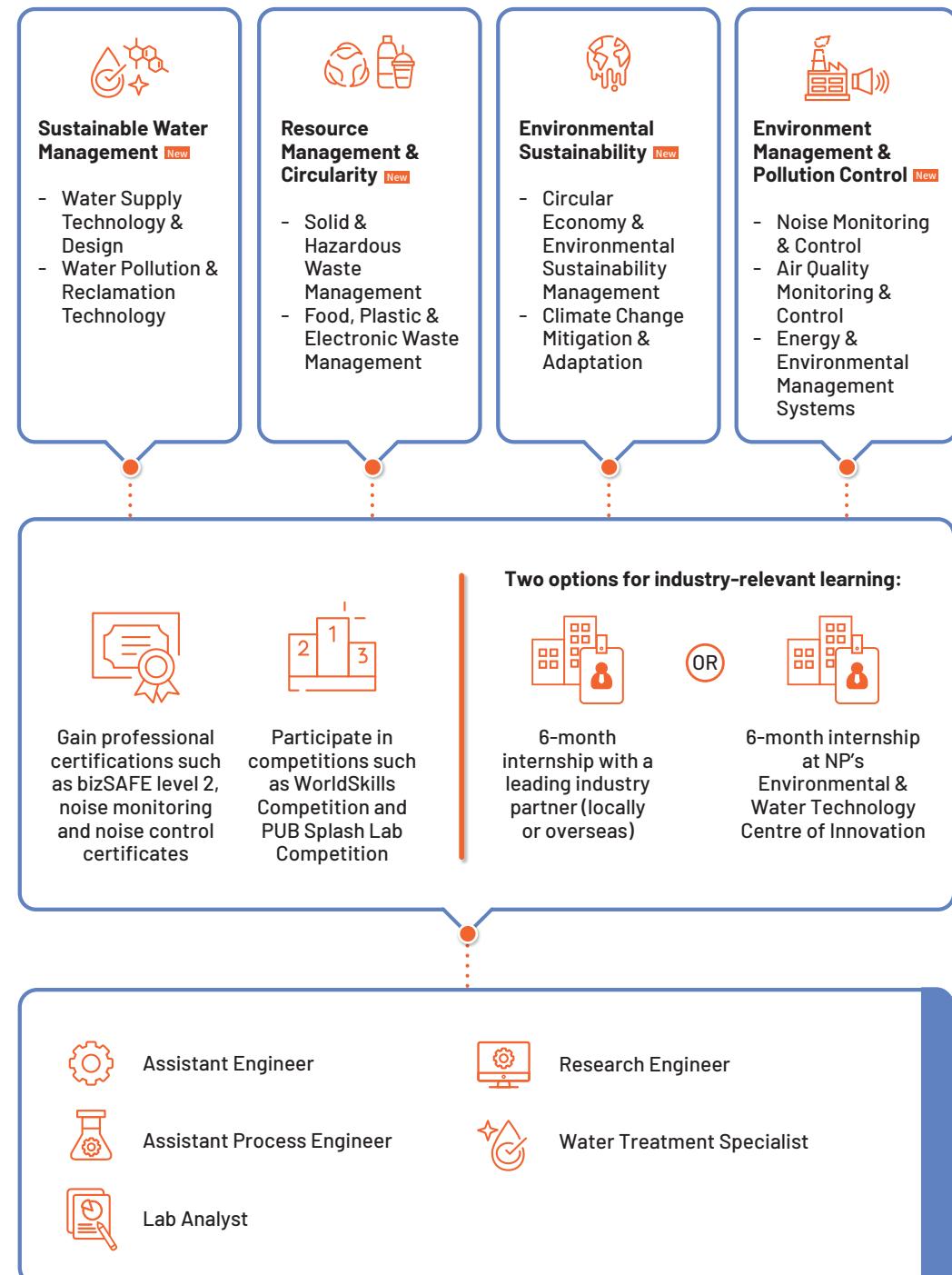
There will be opportunities for you to apply your skills and enhance your portfolio through competitions such as the WorldSkills Competition, PUB Splash Lab Competition, Xylem Global Student Innovation Challenge and Sembcorp Greenwave Competition. The course will also provide opportunities for you to 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



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.



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.



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



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 transited 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.



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.



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)

SCHOOL OF ENGINEERING



- ▶ Common Engineering Programme
- ▶ Engineering Science
- ▶ Aerospace Engineering
- ▶ Biomedical Engineering
- ▶ Electrical Engineering
- ▶ Electronic & Computer Engineering
- ▶ Offshore & Sustainable Engineering Revamped
- ▶ Mechanical Engineering
- ▶ Mechatronics & Robotics Renamed



SoE

**ENGINEERING
WITH THAT
SOMETHING XTRA!**

From industry induction to mentorship and overseas exposure, you'll find engineering with that something xtra at Ngee Ann Polytechnic's School of Engineering (SoE), where we are strengthening our ties with the industry and pushing the frontiers of robotics research. Translate your ideas into innovative solutions to improve lives through our top-notch courses like the Common Engineering Programme and Diploma in Engineering Science!

L

- 7** Common Engineering Programme (N71)
- 10** Engineering Science (N93)
- 16** Aerospace Engineering (N65)
- 22** Biomedical Engineering (N60)
- 27** Electrical Engineering (N43)
- 32** Electronic & Computer Engineering (N44)
- 37** Offshore & Sustainable Engineering (N42) Revamped
- 42** Mechanical Engineering (N41)
- 47** Mechatronics & Robotics (N50) Renamed

8 DIPLOMAS + 1 COMMON ENGINEERING PROGRAMME

Common Engineering Programme (N71)

If you are keen on engineering, but unsure about which course suits you, the Common Engineering Programme (CEP) may just be the right fit. With the CEP, you will gain exposure to different engineering domains, so you can make a smarter course choice. After your first semester, you can choose the Electrical & Electronic Track, Mechanical Track, or the Offshore & Sustainable Engineering diploma.

Engineering Science (N93)

Tailor-made for university-bound students with a strong passion in applied science, this unique engineering course has a strong focus on mathematics, physics and computing. Acquire skills in emerging technologies such as artificial intelligence and machine learning, and choose to specialise in AI for Autonomous Systems or Data Analytics & Security. This dynamic diploma gives you a head start for further studies or work.

Aerospace Engineering (N65)

Power the next generation of aircraft with this one-of-a-kind diploma that allows you to choose between the Avionics and Mechanical specialisation options. Upon building a strong engineering foundation, this course will equip you with next-gen skills such as data analytics, artificial intelligence and machine learning!

Biomedical Engineering (N60)

This is the first poly diploma that bridges engineering with life sciences and trains clinical engineering professionals. Acquire the skills to design and test medical devices, as well as develop competencies in MedTech engineering to seize opportunities in the fast-growing MedTech sector.

Electrical Engineering (N43)

This only dedicated electrical engineering diploma in Singapore provides a strong emphasis on sustainability in the growth areas of decarbonisation, decentralisation and digitalisation. Choose to specialise in either Power Engineering or Clean Energy Management, alongside green economy-related elective modules.

Electronic & Computer Engineering (N44)

Shape the way computer systems and real-life applications are developed. This established diploma gives you a strong foundation in electronics and circuits, and software programming. Get equipped with in-demand digital skills in Internet of Things (IoT), Artificial Intelligence of Things (AIoT) and Data Analytics!

Offshore & Sustainable Engineering (N42)

Revamped

This unique diploma covers naval architecture with a focus on sustainability, decarbonisation and renewable energy. Gain an edge in creating innovative and green solutions for designing and building of offshore vessels and structures.

Mechanical Engineering (N41)

A broad-based curriculum with a new sustainability focus, this diploma prepares you for a wide range of exciting careers in precision engineering, public transport, energy and chemicals, engineering services and more. Choose to specialise in Automation Design Engineering or Mobility Design Engineering, as you acquire in-demand digital skills.

Mechatronics & Robotics (N50) Renamed

With a strong focus on autonomous mobile and collaborative robotics, this diploma prepares you for the robotics engineering and automation sectors. For your specialisation, you can choose to deepen your skills in Autonomous Systems or Automation & Industrial Cybersecurity. Plus, gain hands-on experience working on future mobility technologies at MooVita, situated right on campus!

WHY CHOOSE SOE

At SoE, there are many exciting opportunities to inspire your passion for learning and innovating. With the broad-based curriculum that SoE offers, you can expect limitless possibilities and a journey with that something extra.



AN XTRA EDGE

Accelerate your university pathway with our well-established diplomas! Stretch your potential with prestigious scholarships and our talent development programme. Plus, get global-ready through overseas internships and immersion programmes to countries such as China, Vietnam, Cambodia and the Philippines.



EXPERTISE IN ROBOTICS

Take advantage of NP's deep tech expertise in robotics research, and develop tailor-made innovative robotics solutions for the industry at NP's Robotics Research & Innovation Centre.



SUSTAINABILITY FOCUSED

With our new on-campus green energy infrastructure, there's no better place to acquire the skills to seize opportunities in the growing renewable energy field! Experiment with sustainable energy solutions at synergy.lab and gain hands-on experience in managing a solar farm and EV charging infrastructure.



TOP-NOTCH FACILITIES

You can look forward to hands-on learning in state-of-the-art facilities like the Robotics Research & Innovation Centre, synergy.lab, AR/VR simulators, as well as research and test labs. Developed based on industry standards, these will ensure that you gain relevant skills for an added edge in your career.



ENGINEERING FOR GOOD

Create community-focused engineering solutions with our signature Service-Learning and human-centered design approach. You will discover a deeper meaning to your course and the roles that engineers play in the society, which will open your mind to the possibilities you can create!



STRONG INDUSTRY LINKS

Our strong links with leading organisations offer exciting opportunities for learning and talent development.



WHAT INDUSTRY SAYS

"MooVita is pleased to work with NP to co-develop curriculum. We are providing students with operational insights and hands-on experience in autonomous systems, equipping them with the skill sets to become proficient specialists in robotics and autonomous systems. This is our long-term strategy to nurture a ready pipeline of talents for achieving Singapore's smart nation vision."

KEN CHAN
Vice-President
MooVita



"With sustainability being a key part of Grundfos' DNA, our partnership with NP demonstrates our commitment to introducing cleaner, more energy efficient technologies that can help the built environment sector reduce its energy consumption and carbon footprint. We look forward to working with NP to spur innovative thinking among students that can help advance the region's sustainability trajectory."

KENTH HVID NIELSEN
Senior Regional Sales Director,
APAC, Commercial Buildings
Grundfos

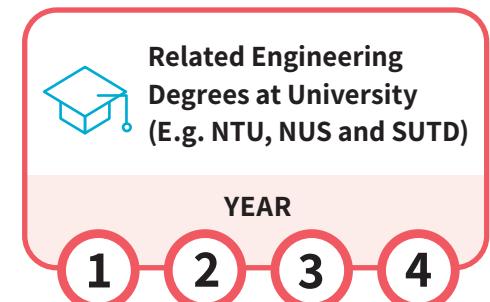
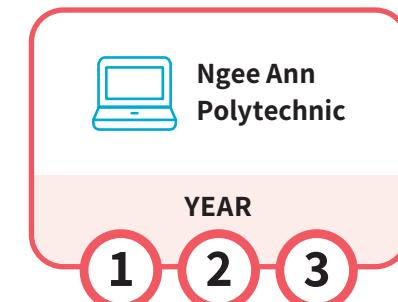


"With significant growth in the industrial robotics industry, Bosch Rexroth is proud to work with NP as a technology partner to co-develop comprehensive industrial robotics courses that cover Industry 4.0 concepts and applications. Bosch Rexroth is also excited to collaborate with the Mechatronics & Robotics diploma course through curriculum development and internship opportunities. The partnership aims to drive adoption and understanding of automation and industrial robotics fundamentals within the Advanced Manufacturing sector."

PETER PEH
Centre Director
Bosch Rexroth Regional Training Centre



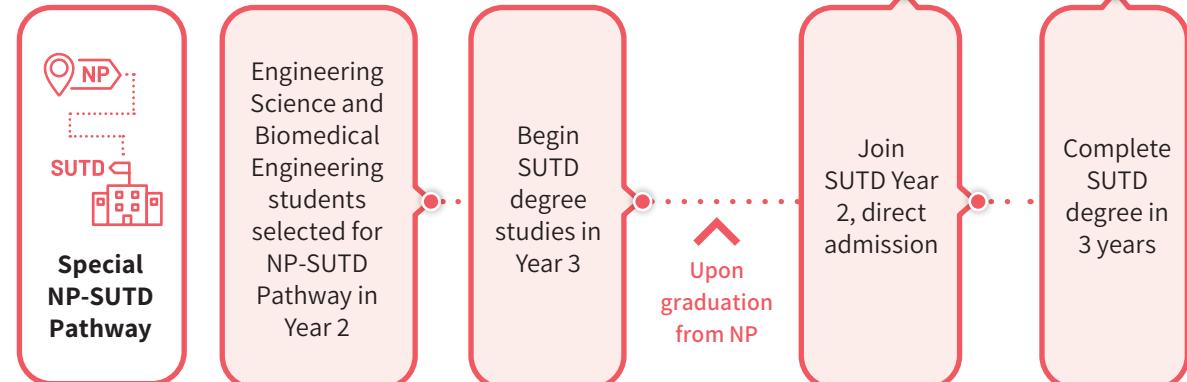
UNIVERSITY PATHWAY



All SoE Diplomas

Advanced standing or module exemptions for related degrees

Complete degree in < 4 years



**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

N71

Common Engineering Programme

Get latest updates on course



- Get more time to explore different fields of engineering and discover your interests before deciding on one of our eight diplomas
- Common foundational modules equip you with broad-based fundamental knowledge and skills in engineering
- Unique Induction Programme provides early industry and diploma exposure to help you make an informed course choice

WHAT THE COURSE IS ABOUT

If you are keen on engineering, but unsure about which course suits you, the Common Engineering Programme (CEP) may just be the right fit. With the CEP, you will gain exposure to different engineering domains, so you can make a smarter course choice.

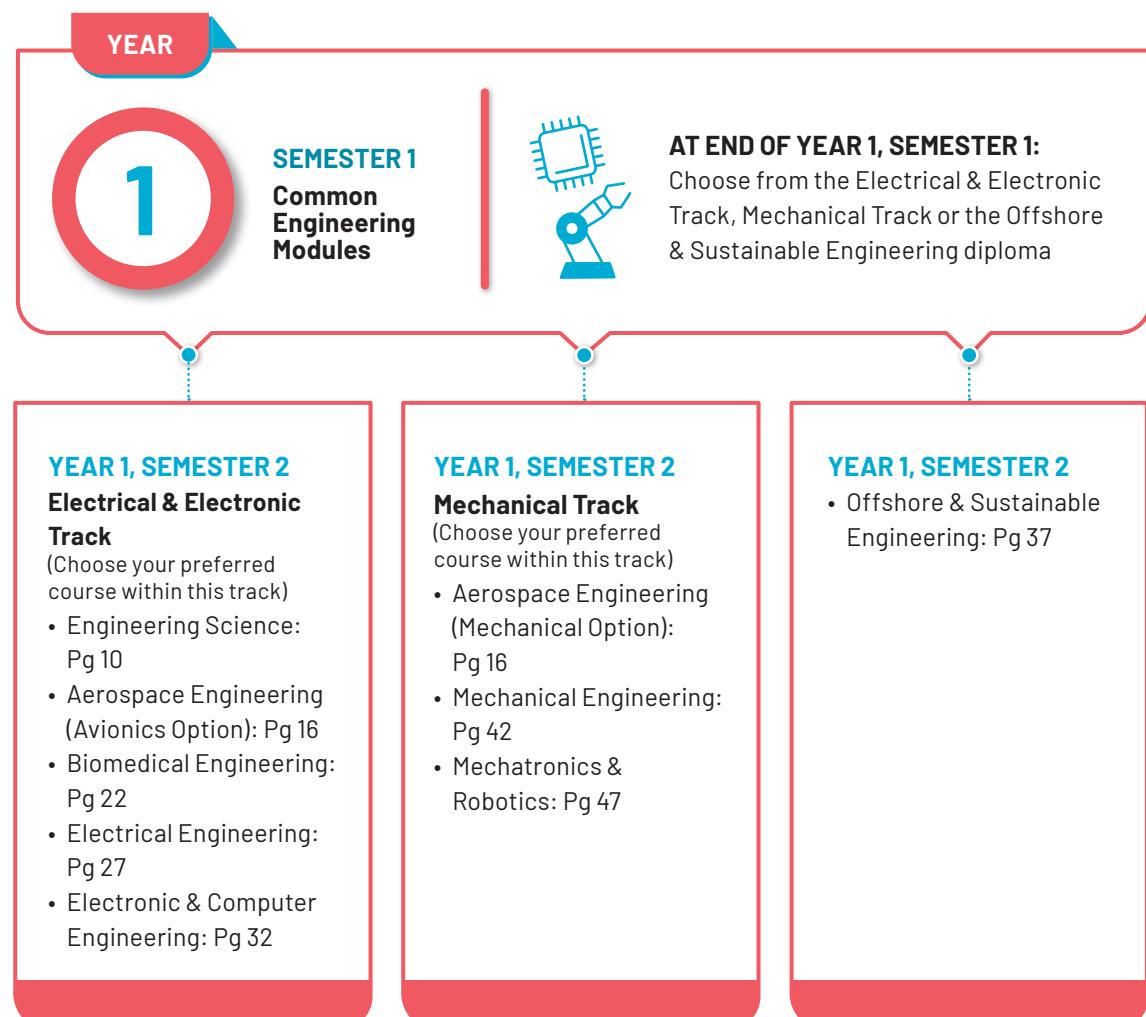
In your first semester, you will go through our unique Induction Programme, where you will benefit from learning journeys, the Diploma Exposure Programme, industry visits and dialogues, and get career advice to help you in course selection. You will also build a strong foundation in mechanical, electronic and electrical

engineering, as well as mathematics and programming. Then, put your new-found knowledge into practice by working on exciting projects that will boost your portfolio!

After your first semester, you can opt for the Electrical & Electronic Track, Mechanical Track or the Offshore & Sustainable Engineering diploma. For those who embark on the learning tracks, you will get to select an engineering diploma to major in by the end of your first year.

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

OVERVIEW OF YOUR CEP JOURNEY



WHAT YOU WILL LEARN

YEAR 1

Common Modules

- Engineering Mathematics 1
- Electrical Engineering Fundamentals
- Mechanical Engineering Fundamentals
- Programming
- Engineering & Society
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]
- English Language Express^{^*}

Choose the Electrical & Electronic Track, Mechanical Track or Offshore & Sustainable Engineering at the end of your first semester.

Electrical & Electronic Track

- Applied Mathematics 2B
- Analogue Electronics
- AC Circuits
- Digital Fundamentals
- Engineering Mathematics 2
- Fundamental Electronic & Electrical Skills

Mechanical Track

- Engineering Mathematics 2
- Electrical & Electronics Technology
- Materials & Manufacturing Technology
- Thermofluids
- Engineering Drawing Fundamentals

Offshore & Sustainable Engineering

- Engineering Mathematics 2
- Engineering Drafting
- Geometry & Buoyancy
- Thermofluids

If you opt for the Electrical & Electronic Track or Mechanical Track, you will select your preferred diploma towards the end of your second semester. Refer to the module listing in the respective diploma pages for more details.

YEAR 2

- Core modules under the engineering diploma you major in
- World Issues: A Singapore Perspective[^]

YEAR 3

- Core modules under the engineering diploma you major in
- Project ID: Connecting the Dots[^]

^{*} For selected students only

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

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

[^]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.

DIPLOMA IN
Engineering Science



Get latest updates on course



- ▶ Tailor-made for university-bound students with a **strong passion in applied science**, this unique engineering course has a strong focus on **mathematics, physics and computing**
- ▶ Acquire in-demand skills for the future economy by choosing either **AI for Autonomous Systems** or **Data Analytics & Security specialisation**
- ▶ Develop valuable **applied R&D experience** at local universities and research institutes that will build your expertise and network
- ▶ Opportunities to secure **prestigious scholarships** from PSC, A*STAR and DSTA!

WHAT THE COURSE IS ABOUT

You're passionate about engineering applications, but also love the sciences. You're strong in both maths and physics. You enjoy scientific research and discovering new ways to solve problems. How about honing all these interests through our top-notch Diploma in Engineering Science (ES) course, whose students have topped NP's graduating cohorts and secured places in prestigious university programmes?

The unique ES diploma prepares you well for a wide range of degrees and careers in fields such as artificial intelligence and machine learning; computer, electrical, electronic and mechanical engineering; data analytics; and even medical science.

Strong STEM Foundation

During the first two years, you will be equipped with a strong foundation in engineering and related domains such as mathematics, physics, computing and applied science.

Specialise in Emerging Areas

In your third year, you can choose between two exciting specialisations — AI for Autonomous Systems or Data Analytics & Security — to deepen your knowledge in emerging technologies.

Choose the AI for Autonomous Systems specialisation if you are passionate about the field of artificial intelligence. This option will equip you with the skills to develop autonomous system solutions for the transportation sector. You will get the opportunity to learn about AV technology and work on smart urban mobility projects. Or make the Data Analytics & Security specialisation your choice if you prefer to work on big data. Here, you will be equipped with in-demand skill sets in data analytics and data security management for cloud platforms.

Early University Exposure

One of the key highlights of ES is the opportunity to gain early exposure to and immersion in a university environment. As early as the first semester in Year 3, you will be attached to local universities for half a day per week to work on applied projects (industrial/R&D) under the mentorship of university faculties.

Thereafter, these applied projects can be extended to final-year projects, where you will be exposed to the latest developments in research and technology innovation in a university setting to boost your portfolio. You will get to choose from a wide variety of topics ranging from artificial intelligence, automotive vehicles, Internet of Things, robotics and green energy, to material science!



FAST TRACK TO A DEGREE VIA NP-SUTD PATHWAY

Get a head start and experience university life – even as an NP student! With the NP-SUTD Pathway Programme*, you will be on the fast track to a Bachelor's degree in engineering and design, and graduate one year ahead of your peers. Level up your knowledge with humanities and science modules taught by SUTD faculties. These are taken alongside your own curriculum, so you will emerge as a multi-skilled professional. But that's not all. Top off your university experience by working on cutting-edge research projects with SUTD professors and researchers as your mentors!

*for selected students only

OVERVIEW OF YOUR ES JOURNEY

Build a strong STEM foundation



- Advanced Level Maths & Physics
- Mechanical & Electronic Engineering
- In-depth Computing skills
- Emerging Technologies (e.g. AI, Data Analytics, Autonomous Systems)

Early immersion in university life



- Projects mentored by university faculties
- Exchange programme with overseas colleges
- Take university modules via NP-SUTD Pathway*

Choose a specialisation in Year 3



AI for Autonomous Systems

OR



Data Analytics & Security

Fast-track to a degree via NP-SUTD Pathway* after graduation



NP-SUTD Pathway*

Enter 2nd Year at SUTD and graduate one year ahead of your peers

*For selected students only

WHAT YOU WILL LEARN

YEAR 1

- AC Circuits
- Analogue Electronics
- Applied Mathematics 1
- Applied Mathematics 2A
- Digital Fundamentals
- Engineering & Society
- Electrical Engineering Fundamentals
- Fundamental Electronic & Electrical Skills
- Mechanical Engineering Fundamentals
- Programming
- Innovation Made Possible^
- Communication Essentials^
- Health & Wellness^
- English Language Express^*

YEAR 3

- AI & Machine Learning
- Final-Year Project OR Six-month Internship (Local/Overseas)
- Project ID: Connecting the Dots^

AI for Autonomous Systems Specialisation

- Autonomous Systems & IoT
- Computer Vision & Deep Learning
- Design Project in AI

Data Analytics & Security Specialisation

- Data Analytics & Cloud Fundamentals
- Data Security & Blockchain
- Design Project in Data Analytics

[^] 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

Both NTU and NUS have accredited ES for a wide range of their degree programmes. In addition, SUTD offers conditional admission to students enrolled in the NP-SUTD pathway and module exemptions for ES graduates. With your strong foundation as an ES graduate, you can also apply for a wide range of degree programmes offered by overseas universities.

If you're looking for an Engineering diploma that attracts the brightest minds, look no further!

>10 ES graduates topped their cohorts to clinch the Ngee Ann Kongsi Gold Medal or Lee Kuan Yew Award since 2014

>10 ES students received NP as well as external scholarships (e.g. A*STAR Science Award (Poly), DSTA Polytechnic Scholarship, CSIT Diploma Scholarship) which offer R&D internship opportunities

>80% ES graduates offered admission into prestigious local and overseas universities

They chose ES and are going places!



SAFFRON SALMAH YEN LIM
Class of 2023

Recipient of the Public Service Commission (Engineering) Scholarship, Ngee Ann Kongsi Gold Medal and the Lee Kuan Yew Award. Currently pursuing a degree in Data Science & Artificial Intelligence at NTU.



ANNE LEE
Class of 2022

Pursuing a master's degree in Design Engineering at Imperial College London's Dyson School of Design Engineering under the DSTA Overseas Scholarship.



REUBEN THOMAS
Class of 2021

Winner of the Ngee Ann Kongsi Gold Medal and the Lee Kuan Yew Award. Pursuing a Computer Science degree at NUS.



SUI HUI PING
Class of 2020

Lee Kuan Yew Award winner. Currently pursuing a Bachelor of Social Sciences at SMU under the prestigious Lee Kong Chian Scholars' Programme.



DUAN JIAFEI
Class of 2016

A*STAR National Science Scholar. Pursuing a PhD in AI & Robotics at University of Washington, USA.

CAREER

Armed with an ES diploma, you will enjoy good career prospects in areas such as research and development, product design and development, manufacturing and services.



ZENAS LIM
Engineering Science graduate,
Class of 2015

Zenas graduated from Imperial College with a degree in Electronic & Information Engineering and completed a master's degree in Information Science from Cornell University. He is currently a product operations lead at the Defence Science & Technology Agency.



EKKO CHUA
Engineering Science graduate,
Class of 2014

A recipient of the Energy Market Authority Scholarship, Ekko graduated with a Master of Engineering in Chemical & Energy Engineering from the University of Leeds. She is currently a principal analyst at EMA.



BENJAMIN CHIA
Engineering Science graduate,
Class of 2014

Benjamin graduated from NUS with a Bachelor of Engineering with Honours (Distinction) and a Master of Science in Engineering Management from Purdue University. He is a business partner at Enterprise Singapore's transformation office.

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

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

DIPLOMA IN
Aerospace Engineering



- ▶ Gain sought-after digital skills in additive manufacturing, data analytics, artificial intelligence, machine learning, robotics and drones
- ▶ Choice of two specialisation options: **Avionics or Mechanical**
- ▶ Opportunities to **design and build your own aerial vehicle**
- ▶ Build a strong engineering foundation with **green aviation concepts integrated** into curriculum

WHAT THE COURSE IS ABOUT

Growing up, were you fascinated with how a heavy machine can fly? Do you ever imagine yourself working on the next generation of aircraft? Then come on board the Diploma in Aerospace Engineering (AEG).

As global travel resumes, the demand for aerospace professionals in the industry is set to soar. With this broad-based diploma, you will gain a strong engineering foundation and discover how you can play a role in this fast-growing sector!

Future-ready Curriculum

Gain insights into the aerospace industry through modules such as Aerial System Design & Integration, Aircraft Electrical & Instrumentation Systems, as well as Aircraft Data Communications & Networking. As more companies leverage the power of big data to monitor aircraft health and predict maintenance schedules, you will be equipped with next-gen skills such as data analytics, artificial intelligence and machine learning.

In addition, with green aviation concepts integrated into the AEG curriculum, you can contribute significantly to environmental sustainability efforts within the aerospace sector!

Specialise in Emerging Areas

Build on your engineering foundation and areas of interest by choosing either the Avionics or Mechanical specialisation option.

In the Avionics specialisation, you will get to study the principles of flight and various sophisticated aircraft systems such as navigation, surveillance, as well as data communication and networking systems.

You can also choose the Mechanical specialisation to learn about the fundamentals of engineering system design, aircraft structures and materials, advanced thermofluids, as well as aircraft maintenance practices.

Strong Industry Links

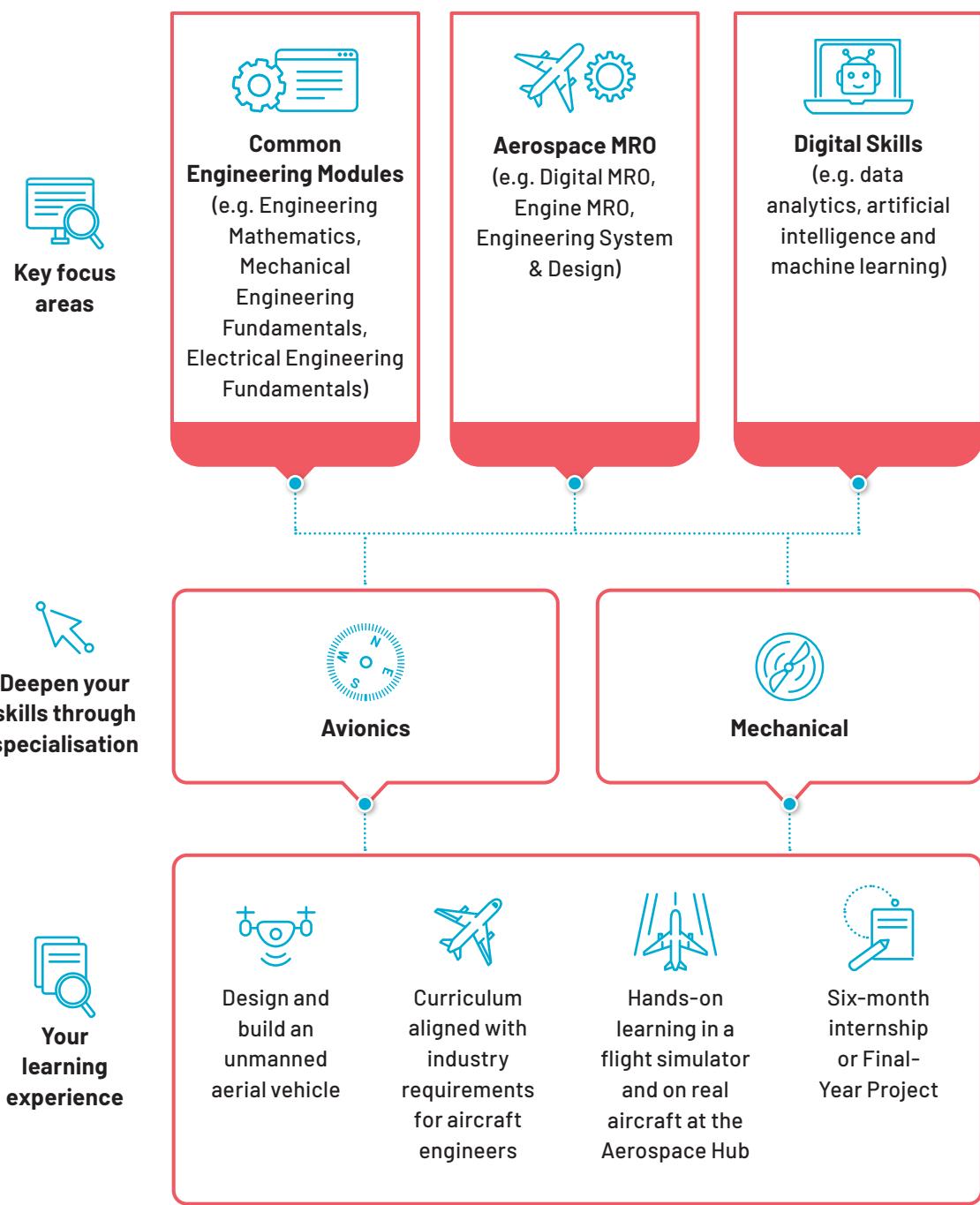
Our strong links with the industry will provide you with real-world learning experiences. With some modules co-developed and co-delivered by our industry partners, you will gain valuable insights into the trends that are shaping the aerospace industry.

You will also get opportunities to apply your skills on integrated and capstone projects to solve real-world problems. For example, you will even get to design and build an unmanned aerial vehicle!

In your final year, put your knowledge to the test with a six-month local or overseas internship with companies such as Collins Aerospace, Pratt & Whitney, ST Engineering and Thales Solutions Asia.

Students who are interested to get their Private Pilot Licence (PPL) can choose to participate in the Singapore Youth Flying Club PPL Course as their internship.

OVERVIEW OF YOUR AEG JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Engineering Mathematics 1 & 2
- Electrical Engineering Fundamentals
- Mechanical Engineering Fundamentals
- Programming
- Engineering & Society
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]
- English Language Express^{^*}

Avionics Specialisation

- AC Circuits
- Analogue Electronics
- Digital Fundamentals
- Fundamental Electronic & Electrical Skills

Mechanical Specialisation

- Thermofluids
- Electrical & Electronics Technology
- Materials & Manufacturing Technology
- Engineering Drawing Fundamentals

YEAR 2

- Aerospace Fundamentals
- Aerial System Design & Integration
- Engineering & Sustainability
- Quality Systems & Analytics
- World Issues: A Singapore Perspective^{^A}

Avionics Specialisation

- Aircraft Data Communications & Networking
- Aircraft Material & Maintenance Practices
- Applied Analogue Electronics
- Applied Digital Electronics
- Avionics Maintenance Practices
- Object-oriented Programming

Mechanical Specialisation

- Advanced Thermofluids
- Aircraft Maintenance Practices
- Aircraft Structures & Materials
- Applied Mechanics
- Engineering System Design
- Strength of Materials

YEAR 3

- Digital Maintenance, Repair & Overhaul Application
- System Modelling & Control
- Six-month Internship
- Final-Year Project
- Project ID: Connecting the Dots^A

Avionics Specialisation

- Aircraft Navigation & Surveillance Systems
- Aircraft Electrical & Instrumentation Systems

Mechanical Specialisation

- Aircraft Propulsion Systems
- Aircraft Mechanical Systems
- Engine Maintenance, Repair & Overhaul

^A 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 an AEG graduate, you will be able to pursue an aerospace-related degree at Singapore Institute of Technology and Singapore University of Social Sciences, or overseas universities in Australia, New Zealand, USA and the UK.

Or you can choose to pursue related engineering degrees with advanced standing at prestigious local universities like National University of Singapore, Nanyang Technological University, and Singapore University of Technology and Design.



NICK CHUA
Aerospace Electronics*
graduate, Class of 2020

Nick is pursuing an Information Security degree at NUS. He emerged as one of the top three winners in a startup challenge by global investor Antler and will be building a tech startup in one of their residencies.

*Renamed the Diploma in Aerospace Engineering



CHOONG JING YI
Aerospace Technology*
graduate, Class of 2021

Jing Yi is pursuing a Mechanical Engineering degree at NTU under the Nanyang Scholarship.

*Renamed the Diploma in Aerospace Engineering

CAREER

With Singapore's role as a leading aerospace MRO solutions provider in Asia, there is high demand for trained professionals in this field. AEG is recognised by many established aerospace organisations, which gives you an advantage when exploring careers in this industry. You can look forward to being employed in these roles:

- Planning Executive
- Planning Supervisor
- Senior Technician (Engine/Engine Component Repair & Overhaul)
- Senior Technician (Component Repair & Overhaul - Avionics/Mechanical)
- Senior Technician (Avionics/Mechanical)
- Quality Engineer
- Technical Service Engineer
- Workshop Engineer

What's more, AEG prepares you for modules in the Civil Aviation Authority of Singapore (CAAS) Airworthiness Requirements (SAR 66) examinations so you get a head start in acquiring your licence as an Aircraft Maintenance Engineer. You can also enrol in various skills-deepening programmes or apply for the SkillsFuture Work-Study Post-Diploma Programme upon graduation.



DENZEL LEE
Aerospace Electronics*
graduate, Class of 2015

Denzel is the chief technology officer and co-founder of Datature Analytics. He was listed as one of the promising entrepreneurs in the 2023 Forbes' 30 Under 30 Asia: Enterprise Technology list.

*Renamed the Diploma in Aerospace Engineering



TING JIA LIN
Aerospace Technology*
graduate, Class of 2017

Jia Lin graduated from SIT with a Bachelor of Mechanical Engineering and is working as an operations leader at Eagle Services Asia Pte Ltd.

*Renamed the Diploma in Aerospace Engineering

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP's Diploma in Aerospace Engineering, visit www.np.edu.sg/aeg

DIPLOMA IN

Biomedical Engineering



Get latest updates on course



- ▶ The first poly diploma that **bridges engineering with life sciences and trains clinical engineering professionals**
- ▶ Acquire the skills to **design, develop and test medical devices and competencies in MedTech engineering** to seize opportunities in the fast-growing MedTech sector
- ▶ Go on **curated internships** and work on **industry projects** with leading MedTech companies and healthcare institutions such as ZOLL Medical and SingHealth
- ▶ Get a head start in gaining a prestigious degree with the **NP-SUTD Pathway Programme!**

WHAT THE COURSE IS ABOUT

Fascinated by how engineering and biology can benefit society? Or are you interested in helping medical professionals do their work better? If you're passionate about the medical technology (MedTech) field, then the Diploma in Biomedical Engineering (BME) is perfect for you. This fast-growing field is responsible for the design of sophisticated medical devices and healthcare equipment such as personal health trackers — which range from wearable glucose meters to electrocardiography (ECG) monitors — and lifesaving devices including the pacemaker and dialysis machine.

Jointly developed by Ngee Ann Polytechnic's School of Engineering and leading industry partners, BME gives you a firm grounding in research that could lead to the discovery and development of faster and more accurate tools for medical treatment.

A Holistic Curriculum

BME will provide you with a solid grounding in both engineering and the life sciences. You will acquire a strong foundation in areas such as programming, electrical, electronic and mechanical engineering, cell and molecular biology, as well as human physiology.

You will also learn about MedTech engineering, and be equipped with knowledge of relevant quality assurance standards and industry best practices. Our partnerships with industry will ensure that you stay on top of industry developments and the latest strategies, such as Lean Six Sigma, to improve efficiency.

Develop Skills in Emerging Technologies

As medical devices become more connected, there is an increased need to ensure these devices are safe from cyber threats. BME will equip you with the skills to embed cybersecurity requirements in the development of MedTech solutions.

You will also be exposed to emerging technologies like Artificial Intelligence and the Internet of Medical Things (IoMT), which are increasingly adopted for clinical applications.

Industry-relevant Learning

Apply your skills and knowledge to solve real-world problems! Work on a MedTech project, where you'll get to design and build a wearable medical device. To help you deepen your skills and gain industry experience, embark on an internship or Final-Year Project sponsored by multinational companies, leading MedTech organisations, innovative local start-ups, and established healthcare institutions such as Karl Storz, Medtronic, National University Hospital and Tan Tock Seng Hospital.



FAST TRACK TO A DEGREE VIA NP-SUTD PATHWAY

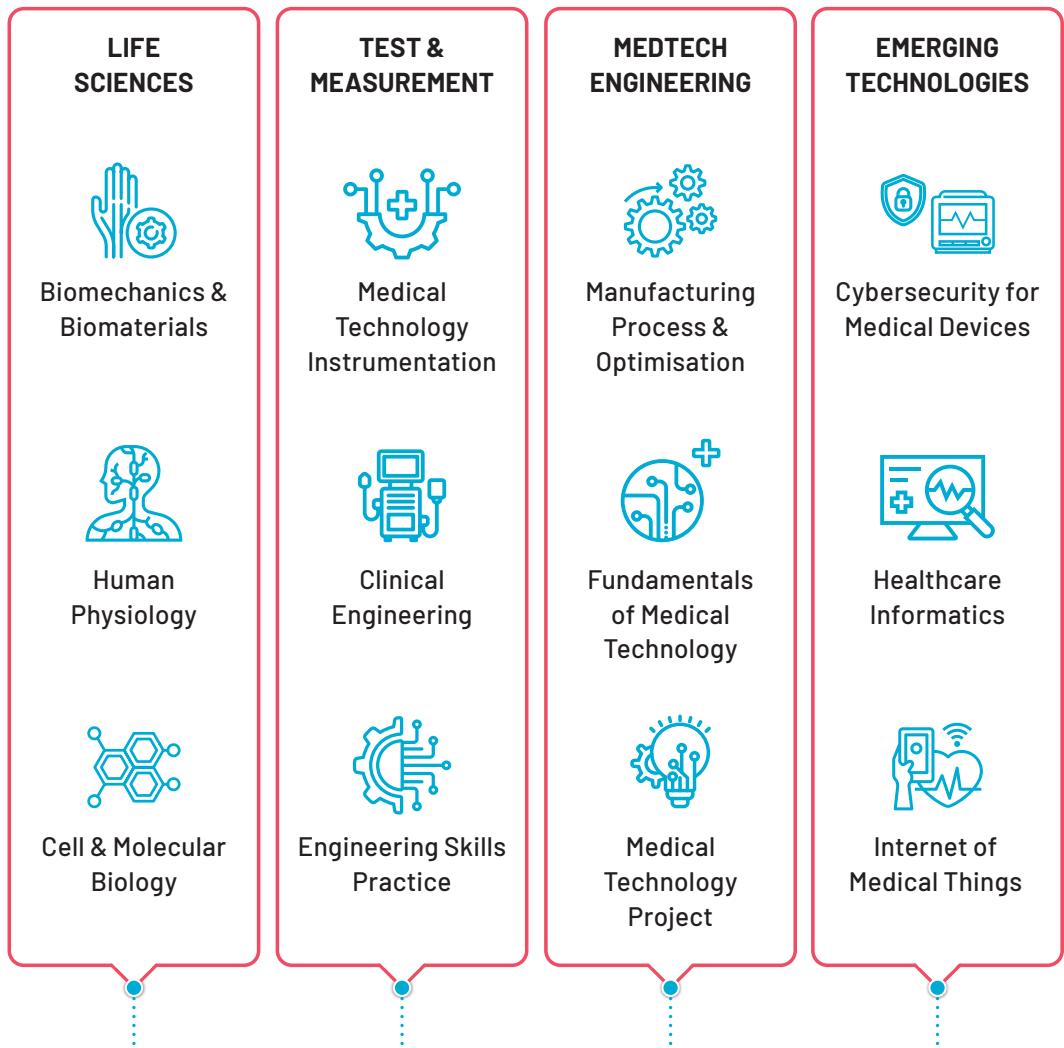
Fast track your way to university with our NP-SUTD Pathway Programme*, where you will be able to earn university credits while completing your diploma and complete a Bachelor's Degree faster than your peers! You'll get to level up your knowledge with humanities and science modules taught by SUTD lecturers alongside your own curriculum, so you will emerge as a multiskilled professional. But that's not all. You'll get to enhance your university experience further by working on cutting-edge research projects with SUTD professors and researchers as your mentors.

*for selected students only

OVERVIEW OF YOUR BME JOURNEY



Key focus areas



How
do you
learn?

- Work on university-linked or industry-sponsored MedTech projects
- Internships at MedTech manufacturing companies, healthcare institutions and Internet of Medical Things companies
- Industry visits to MedTech manufacturers
- Workplace learning at external R&D clinical lab and major healthcare institutions



Career
prospects

- | | |
|--------------------------------|---------------------------------|
| • Research Associate | • Biomedical Assistant Engineer |
| • Quality Assurance Specialist | • Field Service Engineer |
| • Regulatory Specialist | • Project Engineer |
| • Assistant Research Engineer | |

WHAT YOU WILL LEARN

YEAR 1

- AC Circuits
- Analogue Electronics
- Electrical Engineering Fundamentals
- Engineering & Society
- Engineering Mathematics 1 & 2
- Digital Fundamentals
- Fundamental Electronic & Electrical Skills
- Mechanical Engineering Fundamentals
- Programming
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]
- English Language Express^{^*}

YEAR 2

- Cell & Molecular Biology
- Clinical Engineering
- Cybersecurity Essentials
- Engineering Skills Practice
- Engineering & Sustainability
- Fundamentals of Medical Technology
- Human Physiology
- Medical Technology Instrumentation
- Healthcare Informatics
- World Issues: A Singapore Perspective[^]

YEAR 3

- Biomechanics & Biomaterials
- Internet of Medical Things
- Final-Year Project
- Manufacturing Process & Optimisation
- Medical Technology Project
- Six-month 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 BME graduate, you can pursue degree programmes offered by Nanyang Technological University, National University of Singapore, Singapore University of Technology and Design, as well as Singapore Institute of Technology. You can also gain credit exemptions from overseas universities, including the following:

Australia

- University of New South Wales
 - Bachelor of Engineering (Honours)/Master of Engineering (Biomedical Engineering)
- Queensland University of Technology
 - Bachelor of Engineering (Honours) (Medical)
- University of Queensland
 - Bachelor of Engineering (Honours) (Electrical and Biomedical Engineering)
- University of Sydney
 - Bachelor of Engineering (Honours) (Biomedical)

United Kingdom

- University of Sheffield
 - Bachelor of Engineering (Biomedical Engineering)
- Cardiff University
 - Bachelor of Engineering/Master of Engineering (Medical Engineering)



WONG ZHENG HUI
Biomedical Engineering graduate, Class of 2022

A recipient of the SUTD Undergraduate Merit Scholarship, Zheng Hui is pursuing a Bachelor of Engineering.



TEY MING CHUAN
Biomedical Engineering graduate, Class of 2018

After completing a degree in Biomedical Engineering under NUS' Engineering Scholars Programme, Ming Chuan is pursuing a Master of Science in Business Analytics at NUS.

CAREER

Singapore is fast becoming a global hub for biomedical research and the healthcare industry, and is home to a growing number of multinational MedTech companies and innovative MedTech start-ups. With bright job prospects in this field, you can look forward to pursuing careers in these job roles:

- Assistant Biomedical Engineer
- Assistant Equipment Engineer
- Assistant Product Engineer
- Assistant Process Engineer
- Field Service Engineer
- Quality Assurance Specialist
- Quality Control Laboratory Analyst
- Research Associate
- Sales Engineer

As part of the SkillsFuture initiative, you can enrol in various skills-deepening programmes or apply for the SkillsFuture Work-Study Post-Diploma Programme, upon graduation. You may also apply for Workforce Skills Qualifications (WSQ) courses, such as the Specialist Diploma in Workplace Safety & Health.



PEGGY YEO
Biomedical Engineering
graduate, Class of 2016

Peggy graduated with a Bachelor of Engineering (Biomedical Engineering) from NUS and is a clinical application and regulatory specialist at Healthstats International Pte Ltd.



KENNETH TEO
Biomedical Engineering
graduate, Class of 2010

Kenneth is a development manager at ObvioHealth, a virtual research organisation that focuses on healthcare innovation.

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP's Diploma in Biomedical Engineering, visit www.np.edu.sg/bme

DIPLOMA IN
Electrical Engineering

Get latest updates on course



- The only dedicated electrical engineering diploma in Singapore with an **emphasis on sustainability**
- Strong focus on growth areas in **decarbonisation, decentralisation and digitalisation** – so you can access exciting opportunities in the **green energy economy!**
- Choose to specialise in either **Power Engineering** or **Clean Energy Management**, alongside green economy-related elective modules
- **Recognised by the Energy Market Authority** for the application of Electrical Technician Licence

WHAT THE COURSE IS ABOUT

As Singapore embarks on Green Plan 2030, our energy infrastructure and electrical systems will also undergo exciting transformations. The Diploma in Electrical Engineering (EE) is future-focused and will help prepare you to support Singapore's green transition in the energy and power landscape! Built on the three leading-edge concepts of decarbonisation, decentralisation and digitalisation, you will be well-equipped with skill sets to meet the growing demand for innovative sustainable energy solutions.

Develop a Strong Foundation

The course will give you a solid grounding in numerous areas of electrical engineering, including the design and operation of electrical services, and integration of energy systems. You will also get to deepen your exposure to decarbonised, decentralised and digitalised electrical systems. Learn core skills such as system integration, data engineering, and sustainable engineering to effectively support Singapore's digitalisation efforts and our green economy in the energy and power sector.

Specialise in Power Engineering or Clean Energy Management

In your final year, you can choose to specialise in the broad-based domain of Power Engineering, where there is a focus on electrical distribution and utility systems. You will also gain fundamental knowledge of sustainable energy technologies and be prepared to work on projects in the energy and power, built environment and transport sectors. Or you can select the Clean Energy Management option, where you will learn about clean energy solutions such as solar photovoltaic systems and acquire the skills to design, integrate and manage clean energy systems.

What's more, with the new green economy-related elective modules in the EE curriculum, you will build competencies to take on job roles in emerging areas such as sustainability engineering.

Industry-relevant Learning

Engage in real-world learning through the EE curriculum, where you will get to work with leading industry players such as Beckhoff Automation, National Instruments, Delta Electronics and Yinson GreenTech.

You'll also put your knowledge and skills into practice through a six-month internship with industry leaders such as SP Group, EDPR Sunseap and Sembcorp. Or you can work on a design or industry project in diverse engineering fields!



THE FUTURE IS GREEN

Thanks to our collaboration with Yinson GreenTech, you can explore real-world engineering solutions through our new green energy infrastructure. Comprising the synergy.lab, an IoT-enabled smart energy management technology centre, a solar farm, and on-site EV charging facilities, this purpose-built living lab is designed to prepare you for exciting careers in the renewable energy field.

OVERVIEW OF YOUR EE JOURNEY

Key focus areas



Decarbonisation
(e.g. Clean Energy Systems, Electric Vehicle & Charging Technologies, Sustainable Energy Technologies)



Decentralisation
(e.g. Distributed Smart Grid Technologies, Systems Integration)



Digitalisation
(e.g. Data Engineering & Analytics, Computer-aided Design)

Deepen your skills through specialisation



Power Engineering



Clean Energy Management

Career prospects

With well-rounded skill sets, including in-demand skills in sustainability and digitalisation, you will be well prepared for careers in the green energy economy, as well as sustainability-related sectors ranging from energy and power to transport and the built environment

WHAT YOU WILL LEARN

YEAR 1

- AC Circuits
- Analogue Electronics
- Digital Fundamentals
- Electrical Engineering Fundamentals
- Engineering Mathematics 1 & 2
- Engineering & Society
- Fundamental Electronic & Electrical Skills
- Mechanical Engineering Fundamentals
- Programming
- English Language Express^{^*}
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]

YEAR 2

- Computer-Aided Design
- Digitalisation & Data Engineering
- Electric Circuit Analysis
- Electrical Installation Design
- Electrical Machines
- Engineering & Sustainability
- Integrated Real-World Project – LabVIEW System Integration
- Microcontroller & System
- Power Electronics
- PLC & System Integration
- World Issues: A Singapore Perspective[^]

YEAR 3

- Integrated Real-World Project – Decentralised System
- Power Systems Design & Operation
- Final-Year Project OR Six-month Internship (Local/ Overseas)
- Project ID: Connecting the Dots[^]

Power Engineering Specialisation

- Systems Modelling & Control
- Sustainable Energy Technologies

Clean Energy Management Specialisation

- Clean Energy Systems
- Energy Management & Studies

Elective Modules

- Smart Grid Technologies
- Electric Vehicle & Charging Technologies

FURTHER STUDIES

This diploma is recognised by leading universities both locally and abroad. You may be granted advanced standing or module exemptions when applying for related degree programmes at local universities and overseas universities in countries such as Australia and the United Kingdom.

Graduates can further upgrade their skills through the Specialist Diploma in Solar Photovoltaic Engineering and Monitoring offered by NP.



LOH JIA WEN
Electrical Engineering
graduate, Class of 2022

Jia Wen is pursuing a degree in Electrical and Electronic Engineering at NTU under the prestigious Nanyang Scholarship.



RYAN SOH
Electrical Engineering
graduate, Class of 2023

Ryan has been awarded a scholarship to pursue NTU's flagship Renaissance Engineering Programme, which awards a dual degree comprising a Bachelor of Engineering Science and a Master of Science in Technology Management.

[^] 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.

CAREER

Singapore is fast becoming a global hub for biomedical research and the healthcare industry, and is home to a growing number of multinational MedTech companies and innovative MedTech start-ups. With bright job prospects in this field, you can look forward to pursuing careers in these job roles:

- Assistant Engineer in
 - Power
 - Project Development
 - Commissioning
 - Operation and Maintenance
- Solar PV Project Development Supervisor
- Sustainable Engineer
- Technical Officer (Power Distribution Systems, Engineering & Maintenance)



VALENCIA CHONG
Electrical Engineering
graduate, Class of 2020

A recipient of the BCA Undergraduate Scholarship, Valencia graduated from NUS with a degree in Electrical Engineering. She is currently an electrical engineer at Jacobs, an engineering services company.

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP's Diploma in Electrical Engineering, visit www.np.edu.sg/ee

DIPLOMA IN

Electronic & Computer Engineering



Get latest updates on course



- ▶ One of the **most established** electronic and computer engineering diplomas in Singapore
- ▶ **Broad-based curriculum** with strong foundation in electronics and circuits, software programming, and **in-demand technologies** such as Data Analytics, Cloud Computing and Machine Learning
- ▶ Choose between two in-demand specialisations – **Artificial Intelligence of Things (AIoT)** or **Microelectronics**
- ▶ Real-world learning through **industry-sponsored projects** and **internships** with reputable partners

WHAT THE COURSE IS ABOUT

Who can live without electronics and computers in this day and age? From our smart phones and laptops, to the vehicles that we travel in daily, play a part in transforming the way we work and play with the Diploma in Electronic & Computer Engineering (ECE).

Building a Strong Foundation

ECE will introduce you to the important fields of electronic engineering, as well as computer hardware and software. You will develop essential core knowledge in electronics and circuit designs, software programming, as well as networking and communication.

Gain Leading-edge Skills

You will be exposed to semiconductor manufacturing, and the latest digital technologies of Industry 4.0, such as Artificial Intelligence & Machine Learning, Internet of Things, Data Analytics, Cloud Computing, and Networking & Security.

Industry-relevant Learning

Get career ready with our industry-driven curriculum, co-developed with key partners such as Amazon Web Services (AWS), CISCO Systems, Micron and National Instruments. In addition, gain opportunities to top up your knowledge and skills to attain relevant industry certifications such as AWS Certified Cloud Practitioner through vacation bootcamps.

Put your knowledge to the test with a six-month internship with industry leaders such as ST Engineering and GlobalFoundries, and industry-sponsored projects at NP's technology centres.

Plus, undertake local or overseas study trips to widen your exposure to the exciting world of engineering!

Specialise in Emerging Areas

Choose the Artificial Intelligence of Things specialisation to learn how Artificial Intelligence (AI) is applied in electronics and IoT to create smarter devices/systems with optimised features and functionalities.

Or choose the Microelectronics specialisation and receive hands-on training in the manufacturing process of integrated circuits, which includes the front- & back-end of the semiconductor fabrication process, quality control and reliability, as well as IC testing.



AWARD-WINNING DUO

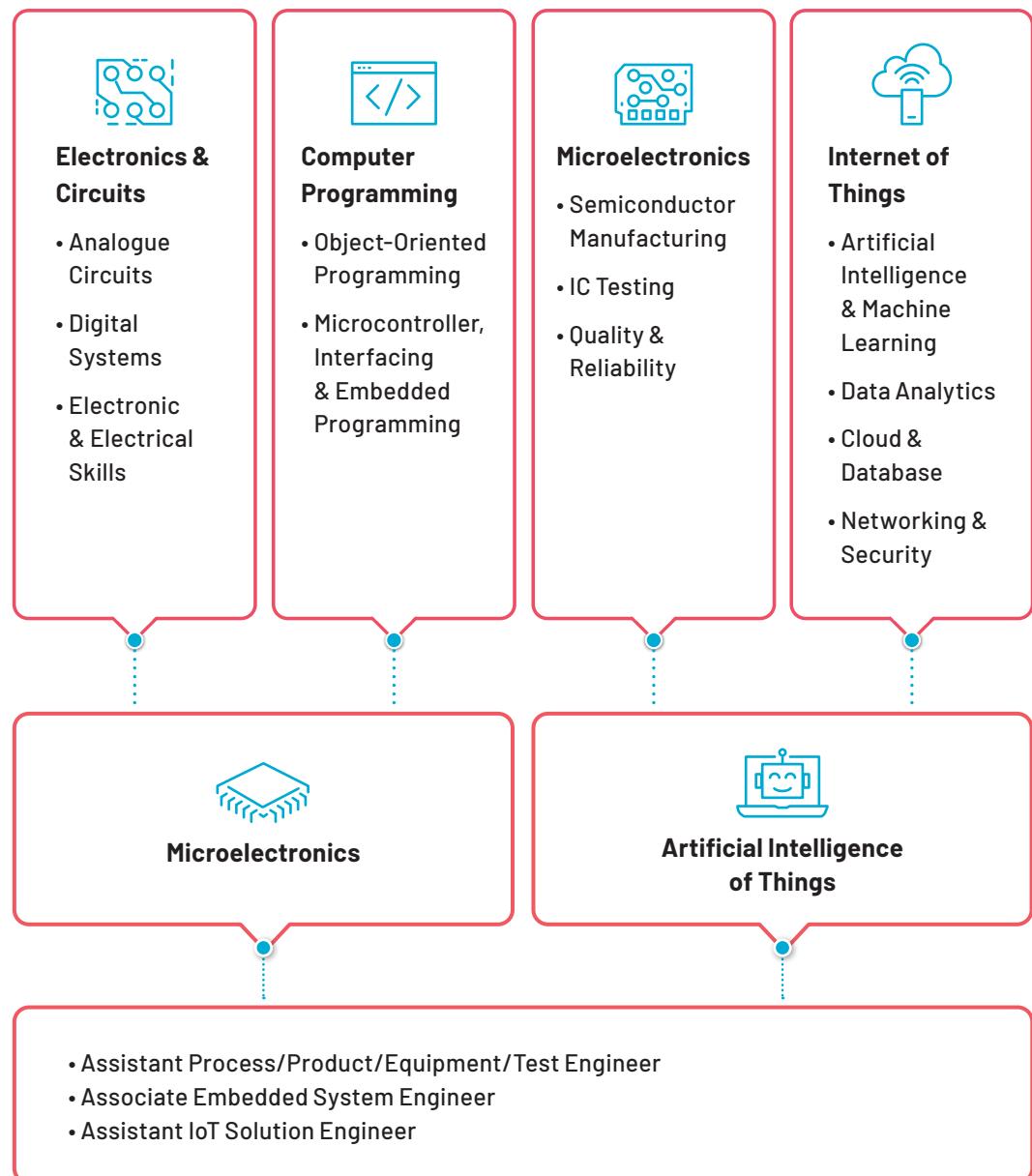
ECE graduate Reginald Loo (left) and EE graduate Kuang Zin Thu won the Lee Hsien Loong Interactive Digital Media Smart Nation Award for developing a cutting-edge autonomous cleaning service robot. It can independently navigate to specific locations, identify cleaning targets and perform cleaning tasks without any human intervention.

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

OVERVIEW OF YOUR ECE JOURNEY



Deepen your skills through specialisation



WHAT YOU WILL LEARN

YEAR 1

- AC Circuits
- Analogue Electronics
- Digital Fundamentals
- Engineering Mathematics 1 & 2
- Engineering & Society
- Electrical Engineering Fundamentals
- Fundamental Electronic & Electrical Skills
- Mechanical Engineering Fundamentals
- Programming
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]
- English Language Express^{^*}

YEAR 2

- Applied Analogue Electronics
- Applied Digital Electronics
- Communication Systems
- Data Analytics
- Engineering & Sustainability
- Internet of Things
- Microcontroller & Interfacing
- Network Fundamentals
- Object-Oriented Programming
- Servers & Cloud Fundamentals
- World Issues: A Singapore Perspective[^]

YEAR 3

- Embedded Systems
- Six-month Internship
- Final-Year Project
- Project ID: Connecting the Dots[^]

Artificial Intelligence of Things Specialisation

- AI Applications
- IoT & Cloud Security
- Machine Learning with Python

Microelectronics Specialisation

- IC Testing, Assembly & Packaging
- Quality & Reliability
- Semiconductor Manufacturing

FURTHER STUDIES

This diploma is recognised by leading universities both locally and abroad. You may be granted advanced standing or module exemptions when applying for related degree programmes at local universities and overseas universities in countries such as Australia and the United Kingdom.



CHRISTOPHER CHIA
Electronic & Computer Engineering graduate, Class of 2022

Christopher will be pursuing an undergraduate degree with a major in Engineering Product Development, under a bond-free SUTD scholarship.



NICHOLAS LEE
Electronic & Computer Engineering graduate, Class of 2021

Nicholas is pursuing a Bachelor of Engineering in Computer Science at NTU.



JONATHON CHU
Electronic & Computer Engineering graduate, Class of 2023

Jonathon has been awarded a scholarship under the NTU-University Scholars Programme to pursue a degree in Computer Science.

^{*} For selected students only.

[^] 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.

CAREER

Electronics is one of the world's largest industries – that means you will enjoy many diverse and exciting career opportunities, such as:

- Associate Embedded Systems Engineer
- Assistant IoT Solutions Engineer
- Assistant Equipment Engineer
- Assistant Process Engineer
- Assistant Product Engineer
- Assistant Quality Engineer
- Assistant Facility Engineer
- Assistant Integration Engineer



FRANK QUEK
Electronic & Computer Engineering graduate, Class of 2009

Frank pursued a double degree in Business and Computer Science under the NTU College Scholarship. He is currently the CEO of Ty Innovations Pte Ltd.



YEE SHENG JIE
Electronic & Computer Engineering graduate, Class of 2014

Sheng Jie completed a degree in Electrical and Electronic Engineering at NTU. He is currently working as a quality engineer at GovTech.

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	
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.

Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

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

DIPLOMA IN

Offshore & Sustainable Engineering Revamped

Get latest updates on course



- A unique diploma that covers naval architecture with a focus on **sustainability, decarbonisation and renewable energy** that prepares you for careers in the marine and offshore engineering sector, and exciting opportunities in clean and renewable energy such as offshore wind
- Learn about **essential digital skills** used in AI and data analytics to give you an edge in managing marine operations and processes
- Apply for **prestigious MaritimeONE Scholarships** that cover tuition fees and allowances
- Enjoy **advanced standing** for Naval Architecture & Marine Engineering degree with SIT-Newcastle University and related degrees with local or overseas universities

WHAT THE COURSE IS ABOUT

With the growing importance of sustainability, the marine and offshore sector presents new and exciting career opportunities! Set sail on your ‘green’ sea adventure with our Diploma in Offshore & Sustainable Engineering (OSE).

You will get trained in naval architecture and marine engineering, with a green focus on sustainability, decarbonisation and renewable energy. Through OSE, you will gain expertise in designing and building offshore vessels and structures. By delving into crucial areas of green technology – such as low-carbon and green-fuelled systems, as well as hydrogen infrastructure – you will gain the knowledge needed for careers in the sustainable engineering sector. With offshore wind identified as a key sector for sustainable energy growth in Singapore and Asia, OSE will give you a head start in this emerging field.

Moreover, the course will hone your knowledge in Artificial Intelligence (AI) applications, including autonomous vessels. You will also learn about essential digital skills, such as data analytics for technical operations and processes.

Work on Industry-based Projects

Our strong emphasis on industry-based projects will give you an edge in creating innovative solutions for using clean energy, developing new materials and processes, as well as designing and building marine vessels and offshore structures.

In your final year, you may undertake a capstone project focusing on conventional energy, new energy, renewables, or decarbonisation solutions. There will be opportunities for you to work with students from other engineering disciplines to solve real-world problems related to the marine and offshore industry.

Local and Overseas Industry Exposure

You will gain extensive work experience through our one-year or six-month internship with key industry players, such as the Association of Singapore Marine & Offshore Energy Industries (ASMI), Dyna-Mac Holdings and Seatrium Limited. There are also opportunities for you to go on overseas study trips to sharpen your global perspective! What's more, our industry partners offer attractive scholarships covering tuition fees and allowances for your diploma.

WHAT YOU WILL LEARN

YEAR 1

- Engineering & Society
- Engineering Drafting
- Engineering Mathematics 1 & 2
- Electrical Engineering Fundamentals
- Geometry & Buoyancy
- Mechanical Engineering Fundamentals
- Programming
- Thermofluids
- Health & Wellness[^]
- Innovation Made Possible[^]
- Communication Essentials[^]
- English Language Express^{^*}

YEAR 2

- Engineering & Sustainability
- Hydrostatics & Stability
- Marine Engineering Systems
- Marine Propulsion Systems
- Maritime Decarbonisation
- Offshore Topsides Systems
- Offshore Wind
- Project Management
- Strength of Materials
- Structure & Resistance
- World Issues: A Singapore Perspective[^]

YEAR 3

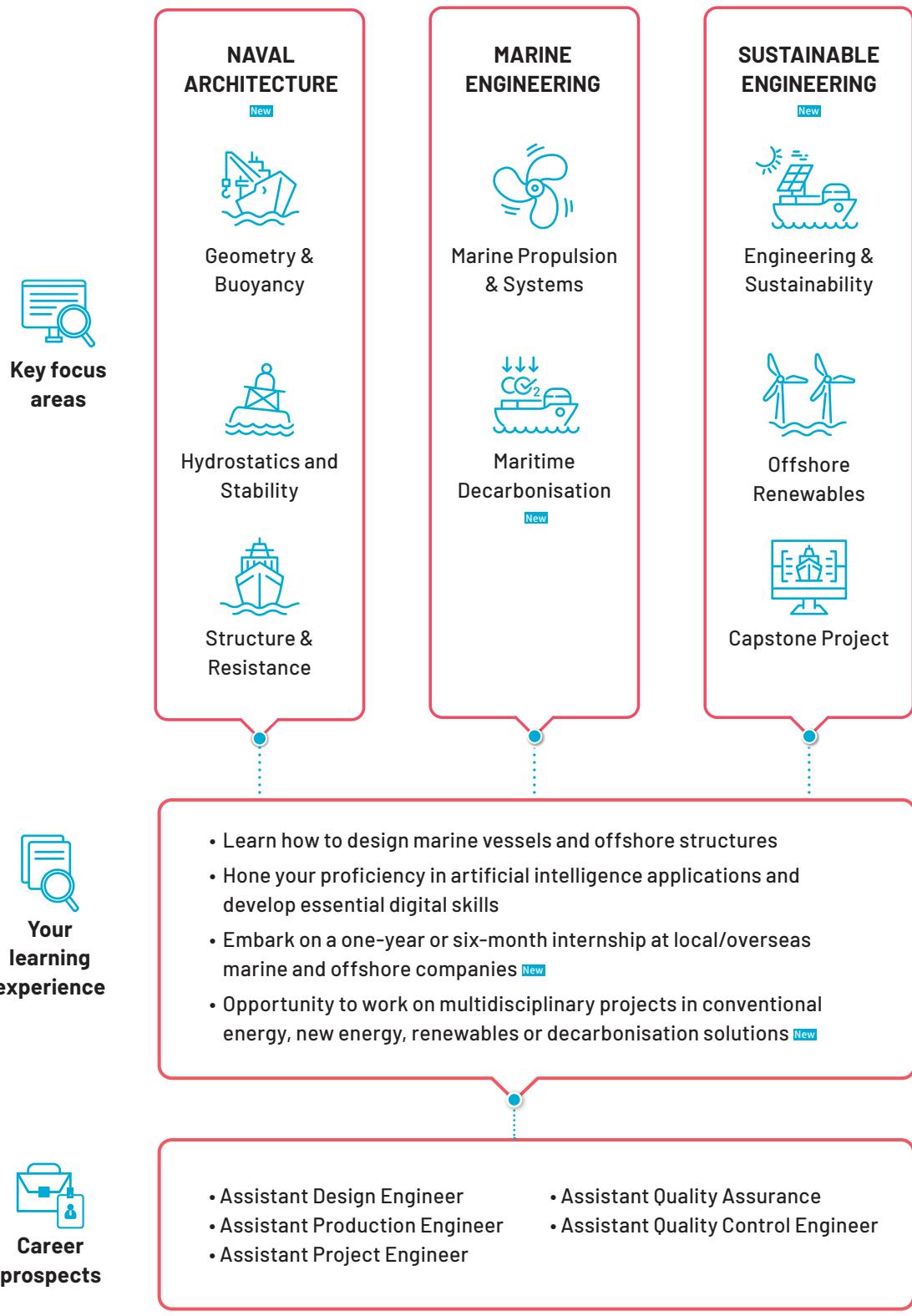
- Capstone Project
- Engineering Modelling
- Marine Production Technology
- Six-month Internship/Final-Year Project OR One-year Internship
- Project ID: Connecting the Dots[^]

[^] 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.

OVERVIEW OF YOUR OSE JOURNEY



FURTHER STUDIES

Accredited by the Institute of Marine Engineering Science & Technology (UK), this diploma gives you the opportunity to improve your prospects by pursuing a related degree programme at a local or an overseas university. You can also enjoy advanced standing at these universities:

Singapore

- Nanyang Technological University
- National University of Singapore

Australia

- University of Sydney
- University of Tasmania

United Kingdom

- Newcastle University
- University of Glasgow
- University of Strathclyde

Together with Newcastle University, the Singapore Institute of Technology offers you the chance to pursue a prestigious Bachelor of Engineering with Honours in Naval Architecture and Marine Engineering degree programme.

KEITH HAH

Marine & Offshore Technology* graduate, Class of 2020



Keith is pursuing a Mechanical Engineering degree at NTU.

QUSAI SHEBBIR ZAKIR

Marine & Offshore Technology* graduate, Class of 2017



Qusai holds a degree in Naval Architecture from SIT and works as a naval architect at Seatrium Limited.

CAREER

Pursue a career in the design, marketing, commerce, survey, production, safety, human resource, and research and development areas of the marine and offshore industries. You can look forward to pursuing careers in these job roles:

- Assistant Design Engineer
- Assistant Production Engineer
- Assistant Quality Assurance
- Assistant Quality Control Engineer
- Assistant Project Engineer



YEO GUOLI
Marine & Offshore Technology* graduate, Class of 2015

Guoli is a senior project planner at Seatrium Limited.



LEOW WEI CHI
Marine & Offshore Technology* graduate, Class of 2017

Wei Chi is a commercial executive at Penguin Shipyard.

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	
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.

Candidates with severe vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations.

CONTACT US

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

*Renamed the Diploma in Offshore & Sustainable Engineering

Mechanical Engineering



- A broad-based curriculum that prepares you for wide range of exciting careers in precision engineering, public transport, energy and chemicals, engineering services and more
- Ride the Industry 4.0 wave with in-demand digital skills like advanced modelling, industrial automation & robotics and predictive maintenance & analytics
- New sustainability focus to prepare you to help companies optimise decarbonisation efforts
- Opportunity to specialise in Automation Design Engineering or Mobility Design Engineering with industry immersion at organisations such as ST Engineering, A*STAR and TÜV SÜD PSB

WHAT THE COURSE IS ABOUT

Mechanical engineering touches virtually every aspect of modern life. Imagine an autonomous car powered by renewable energy and a robotic exoskeleton that can help seniors improve their range of motion. With the Diploma in Mechanical Engineering (ME) to give you a head start into building such sleek technology, you'll be well positioned to excel in diverse fields from precision engineering, environment and energy, facilities and infrastructure, to the transportation sectors.

Get Equipped with In-demand Skills

In your first year, you will learn the fundamentals of mechanical engineering with a focus on materials and design skills through modules such as Thermofluids, Materials & Manufacturing Technology and Mechanical Engineering Fundamentals. Then deepen your understanding with modules such as Engineering System Design and Strength of Materials in your second year.

You will also gain insights into the latest technologies that are reshaping the industry, such as Artificial Intelligence, robotics and the Internet of Things (IoT). Apply your skills by creating innovative clean energy solutions, developing new materials and processes, as well as designing and manufacturing products ranging from consumer products to medical devices.

Specialise in Emerging Areas

You will get to deepen your knowledge by choosing one of two specialisations in your final year: Automation Design Engineering or Mobility Design Engineering.

With a focus on system design and integration, the Automation Design Engineering specialisation will help you hone design, manufacturing and maintenance skills for advanced manufacturing that can be applied in diverse industries. Armed with these skills, you will be well prepared to take on roles in a variety of sectors, including design, assembly, production and maintenance.

Or you can choose the Mobility Design Engineering specialisation if you want to play a key role in helping Singapore achieve its Green Plan 2030 targets. With modules in Mechanical Drives System, Electrical Technology System and Mobility System Design & Integration, you will gain electro-mechanical mobility skills that are sought-after in the mobility technology sector.

Industry-relevant Learning

At ME, you will always be at the forefront of the latest technologies by learning and collaborating on industry-relevant projects with our partners such as Akribis, HOPE Technik, Autodesk, Grundfos, Carrier, PSA Singapore and the Smart Nation Digital Government Office.

At the same time, you will get to work on a Final-Year Project that involves the design and development of a new product prototype with real-world applications. Or round off your learning journey with a local or overseas internship with established organisations such as ST Engineering, A*STAR and TÜV SÜD PSB!



PASSION FOR CARS

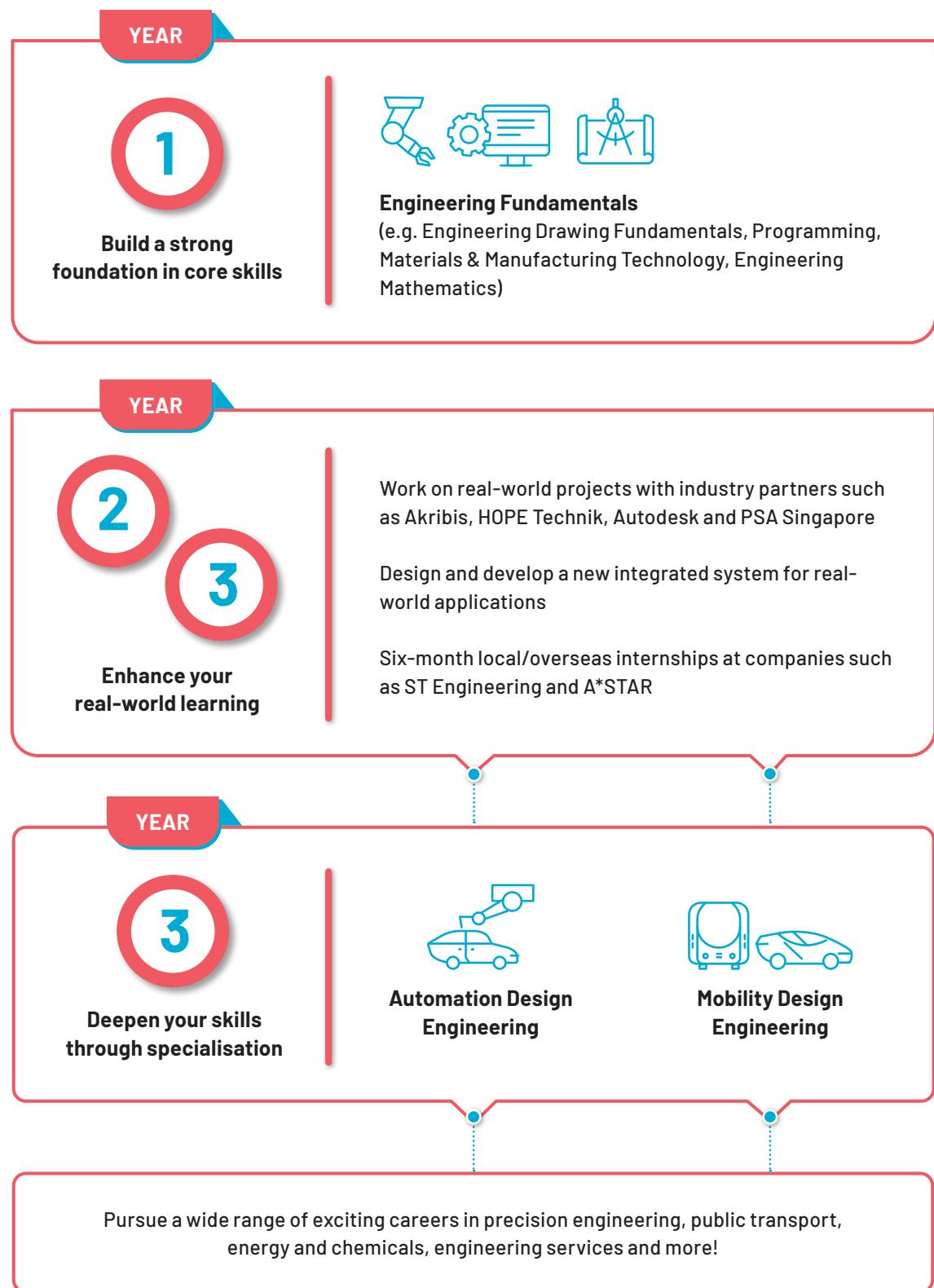
“During my time at NP, I worked on a Final-Year Project focused on automotive technologies and motorsports. I even represented NP at the Shell Eco-marathon Asia in 2019, with the energy-efficient car I built with my teammates, and came in second place in the region! This success inspired me to continue my journey in Mechanical Engineering at NTU, where I contributed to the development of NTU’s first Formula Student race car, NVF-1.”

JUSTIN WONG
Mechanical Engineering graduate,
Class of 2019

Justin (far right) was one of the 12 successful applicants who got accepted into the prestigious master's degree programme in race car aerodynamics at the University of Southampton, United Kingdom in 2022.

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

OVERVIEW OF YOUR ME JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Engineering & Society
- Engineering Drawing Fundamentals
- Engineering Mathematics 1 & 2
- Electrical Engineering Fundamentals
- Electrical & Electronics Technology
- Materials & Manufacturing Technology
- Mechanical Engineering Fundamentals
- Programming
- Thermofluids
- Communication Essentials[^]
- Innovation Made Possible[^]
- Health & Wellness[^]
- English Language Express^{^*}

YEAR 2

- Advanced Materials
- Advanced Manufacturing Technology
- Applied Mechanics
- Applied Thermofluids
- Computer-Aided Design & Analysis
- Engineering & Sustainability
- Engineering System Design
- Industrial Automation
- Project Management
- Strength of Materials
- World Issues: A Singapore Perspective[^]

YEAR 3

- Mechanics of Machines & Materials
- Quality Systems & Analytics
- Final-Year Project
- Six-month Internship
- Project ID: Connecting the Dots[^]

Automation Design Engineering Specialisation

- Automation System Design & Integration
- Design for Manufacturing & Assembly
- Smart Sensors & Actuator

Mobility Design Engineering Specialisation

- Mobility System Design & Integration
- Mechanical Drives System
- Electrical Technology System

FURTHER STUDIES

You will be well-prepared for further studies at both local and overseas universities. You may even be granted advanced standing in related engineering courses at:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology-University of Glasgow

Australia

- University of New South Wales
- University of Melbourne
- University of Sydney
- RMIT University
- Monash University

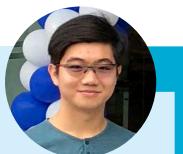
United Kingdom

- Auckland University of Technology
- University of Auckland

United Kingdom

- University of Edinburgh
- University of Birmingham
- University of London
- Loughborough University
- Newcastle University

XAVIER HENG
Mechanical Engineering graduate, Class of 2020



A recipient of the Poly-goes-UAS Scholarship, Xavier is pursuing a degree in mechanical engineering at Baden-Württemberg Cooperative State University, Germany.

CHENG SHI HUI
Mechanical Engineering graduate, Class of 2020



A Tay Eng Soon gold medallist, Shi Hui holds a degree in mechanical engineering and is pursuing a PhD in additive manufacturing at NTU.

[^] 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.

CAREER

A highly versatile course, ME provides a broad-based education that enables you to excel in diverse career choices. With your solid foundation in engineering giving you sought-after skills, you will enjoy excellent job prospects in many industries. You can look forward to pursuing careers in these job roles:

- Assembly Engineer
- Automation Assistant Engineer
- Automotive Engineer
- Facility Engineer
- Manufacturing Engineer
- Mechanical Engineer
- Mobility Design Engineer
- Precision Engineer
- Product Engineer
- Project Engineer
- Process Engineer
- Procurement Assistant
- Quality Assurance Engineer
- Sales Engineer



IVAN CHEONG
Mechanical Engineering
graduate, Class of 2018

Ivan is the chief business development officer of FATfreq, a start-up that specialises in in-ear monitors.

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	
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.

Candidates with severe vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations.

CONTACT US

For the most up-to-date information on NP's Diploma in Mechanical Engineering, visit www.np.edu.sg/me

DIPLOMA IN**Mechatronics & Robotics**

Renamed

Formerly known as Diploma in Automation & Mechatronic Systems

Get latest updates on course



- A broad-based curriculum with a strong focus on autonomous mobile and collaborative robotics
- Acquire skills in emerging technologies such as Augmented Reality, Robot Operating System, Computer Vision and Industrial IoT for exciting career opportunities in robotics engineering and automation!
- Choose to specialise in either Autonomous Systems or Automation & Industrial Cybersecurity
- Opportunities to work on projects sponsored by leading industry partners and innovative technology companies such as Omron Electronics, Universal Robots, HOPE Technik, MooVita and Bosch Rexroth

WHAT THE COURSE IS ABOUT

Robots are changing our daily lives – imagine stepping out of your smart home, taking a self-driving vehicle to your favourite restaurant, and getting served by a robot waiter! The field of robotics and automation is steadily growing and finding its way into every home, company and industry. If you want to engineer the next generation of robots and smart machines, the Diploma in Mechatronics & Robotics (MR) is your ideal choice.

With our broad-based curriculum, you will learn to use emerging technologies in robotics and automation, such as augmented reality, computer vision and Industrial Internet of Things, to develop high-tech solutions for consumer products and industrial applications. This will give you an edge when you pursue exciting careers in growing fields such as service robotics, autonomous driving technologies and industrial automation and applications.

A Strong Engineering Foundation

In the first two years, you will build a strong foundation in the various disciplines of engineering – electrical, electronics, mechanical and programming. You will also learn practical skills in computer-aided design, applications of artificial intelligence, and how to develop functional applications using Robot Operating System (ROS).

Specialisations in Emerging Areas

To deepen your competencies, you can opt to specialise in one of these two areas: Autonomous Systems or Automation & Industrial Cybersecurity.

In the Autonomous Systems specialisation, you will learn about autonomous mobile robot development, collaborative robot (cobot) programming and how to deploy an autonomous vehicle. This specialisation will equip you with the competencies to pursue a career as a robotics engineer upon graduation.

Or you can choose the Automation & Industrial Cybersecurity specialisation to get a head start in programming mechatronics systems using industrial controllers. In addition, you will learn how to protect industrial control systems by deploying cybersecurity strategies and solutions.

Industry-relevant Learning

With many modules co-developed, co-delivered and co-assessed with our industry partners such as Omron Electronics, Universal Robots, HOPE Technik and MooVita, you can be sure that you will be prepared for the industry when you graduate. To give you an edge in your career, there are also opportunities to go on a six-month internship at companies such as PSA Singapore, Bosch Rexroth, LKH Precicon, A*STAR and Omron Electronics.

Plus, gain hands-on experience at high-tech mobility solutions provider MooVita, situated right on campus!



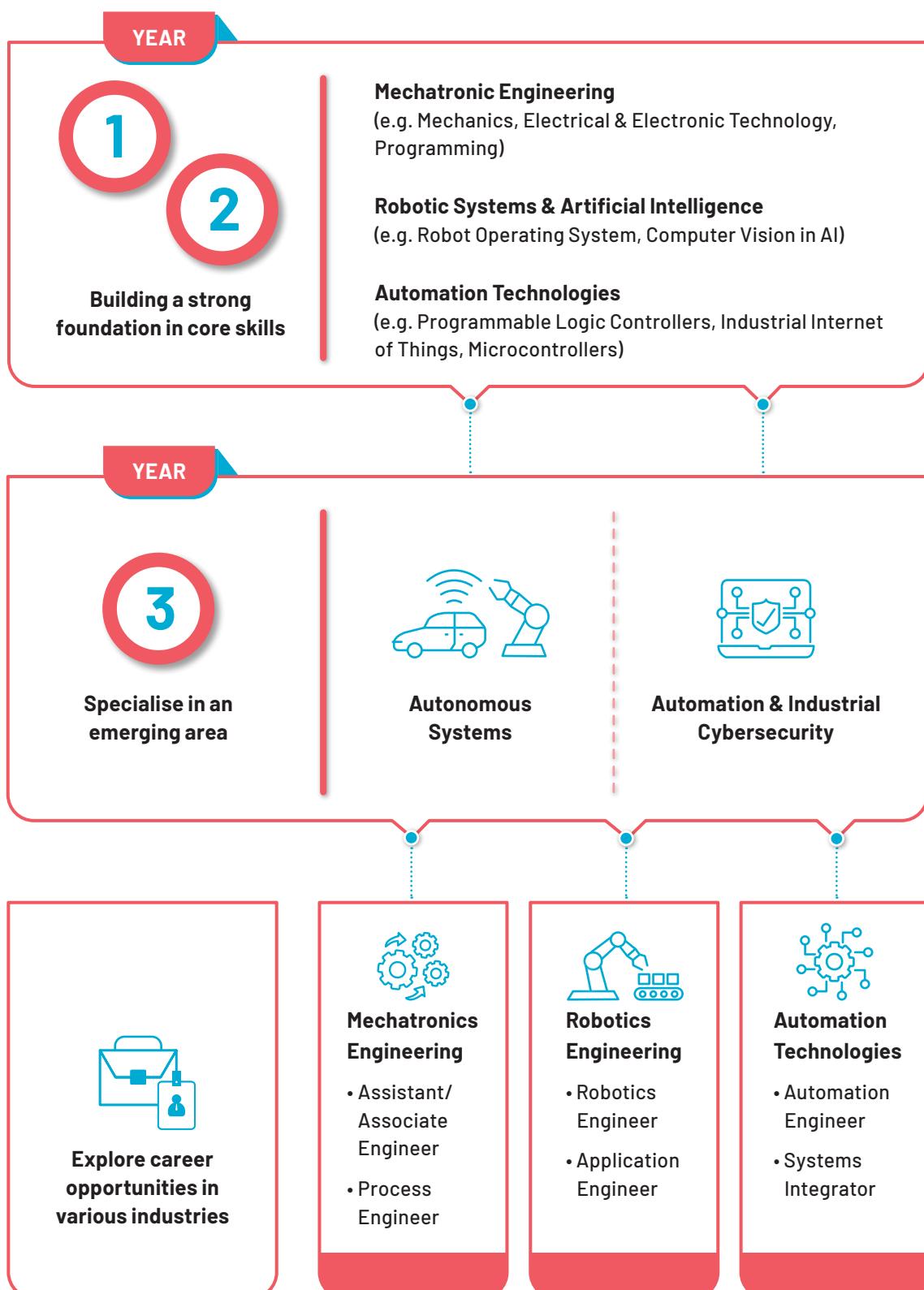
WORLDSKILLS CHAMPIONS

Automation & Mechatronic Systems* graduates Mack Kai Hin and Ethan Ong clinched gold in the mechatronics category at the 2023 WorldSkills ASEAN competition. A biennial event that brings competitors from Southeast Asia, the duo demonstrated their expertise in handling industrial equipment, programming equipment control systems, and human machine interfaces.

*Renamed the Diploma in Mechatronics & Robotics

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

OVERVIEW OF YOUR MR JOURNEY



WHAT YOU WILL LEARN

YEAR 1

- Electrical & Electronics Technology
- Electrical Engineering Fundamentals
- Engineering Drawing Fundamentals
- Engineering Mathematics 1 & 2
- Engineering & Society
- Materials & Manufacturing Technology
- Mechanical Engineering Fundamentals
- Programming
- Thermofluids
- Communication Essentials for Engineers[^]
- English Language Express^{^*}
- Health & Wellness[^]
- Innovation Made Possible[^]

YEAR 2

- Applied Mechanics
- Computer Aided System Design
- Computer Vision in Artificial Intelligence
- Engineering & Sustainability
- Industrial Automation
- Mechatronic Drive Systems
- Microcontroller & System
- Network Fundamentals
- Robot Operating System
- Strength of Materials
- World Issues: A Singapore Perspective[^]

YEAR 3

- Final-Year Project
- Systems Modelling & Control
- Six-month Internship (Local/Overseas)
- Project ID: Connecting the Dots[^]

Autonomous Systems Specialisation

- Advanced Robotic Systems & Applications
- Autonomous Platform Systems
- Autonomous System Deployment

Automation & Industrial Cybersecurity Specialisation

- Advanced Automation System
- Operational Technology Security
- Augmented Reality & Robotics Systems

FURTHER STUDIES

You will be well prepared for further studies in mechanical, electrical or electronic engineering at both local and overseas universities. You may even be granted advanced standing in related engineering courses at:

Singapore

- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology-University of Glasgow

Australia

- Monash University
- University of New South Wales

United Kingdom

- University of Manchester
- University of Sheffield

DANISH ABRISAM BIN ISMAIL



Automation & Mechatronic Systems* graduate, Class of 2019

Danish is studying Mechatronics Engineering at Baden-Wuerttemberg Cooperative State University, under EDB's Poly-goes-UAS Programme. He is currently a student trainee at German multinational company Pepperl+Fuchs.

*Renamed the Diploma in Mechatronics & Robotics

MICHAEL LIM

Automation & Mechatronic Systems* graduate, Class of 2019



Michael is pursuing a Bachelor of Engineering (Engineering Product Development) at SUTD and has received the SAF Academic Award. He has also joined the SUTD Technology Entrepreneurship Programme, which nurtures aspiring entrepreneurs.

*Renamed the Diploma in Mechatronics & Robotics

CAREER

As a designer and engineer of automation systems, you will be well sought-after in jobs that involve the design, development and manufacturing of intelligent products and systems. You can look forward to pursuing careers in the following job roles:

- Robotics Engineer
- Automation Engineer
- Application Engineer
- WSH Coordinator
- Assistant Engineer/Associate Engineer in Process Engineering
- Equipment Engineering
- Facility Engineering
- Quality Engineering
- Product Engineering
- Production Engineering
- Quality Assurance/Quality Control
- Procurement Coordinator/Executive

ENTRY REQUIREMENTS

Aggregate Type ELR2B2-C

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Candidates with severe vision deficiency, colour vision deficiency, profound hearing deficiency, uncontrolled epilepsy and/or severe physical impairments may encounter difficulties meeting the course requirements and expectations. Those with mild colour vision deficiency are required to undergo an in-house test.

CONTACT US

For the most up-to-date information on NP's Diploma in Mechatronics & Robotics, visit www.np.edu.sg/mr

[^] 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

OUR GRADUATES WITH THAT SOMETHING XTRA



MASTER IN ROBOTICS

Benjamin graduated from University College London with a Master of Science in Robotics and Computation. He is currently a senior robotics software engineer at Dyson Singapore.

BENJAMIN TAN

Automation & Mechatronic Systems* graduate, Class of 2015

*Renamed the Diploma in Mechatronics & Robotics



TRANSIT EXPERT

A recipient of the Singapore-Industry Scholarship, Jin Li graduated from NUS with a degree in Electrical Engineering. She is a senior engineer at SBS Transit.

TENG JIN LI

Electrical Engineering graduate, Class of 2016



DATA SCIENTIST

Pavatharani graduated from NTU's Renaissance Engineering Programme with a Bachelor of Aerospace Engineering and Master of Science in Technology Management. She is working as a senior data scientist at Visa.

PAVATHARANI SENTHIL KUMAR

Aerospace Technology* graduate, Class of 2016

*Renamed the Diploma in Aerospace Engineering



ENGINEER ON THE MOVE

Vhora graduated with a mechanical engineering degree from NTU and is currently working as a project engineer at LTA.

VHORA SHREYANS SURESH

Mechanical Engineering graduate, Class of 2016



RESEARCH ENGINEER

Teo Yee graduated from NTU with a degree in mathematical sciences. He is now a senior research engineer at the Adaptive Robotics & Mechatronics Group in A*STAR's Singapore Institute of Manufacturing Technology.

TEO YEE

Mechatronic Engineering* graduate, Class of 2012

*Renamed the Diploma in Mechatronics & Robotics



PROJECT MANAGER

Guoli graduated from NTU with a degree in mechanical engineering and is currently a senior project planner at Seatrium Limited.

YEO GUOLI

Marine & Offshore Technology* graduate, Class of 2015

*Renamed the Diploma in Offshore & Sustainable Engineering



HEALTHCARE CYBERCOP

Zhe Zhi holds a bioengineering degree from NTU and currently serves as a manager in the cybersecurity and medical devices division at MOH.

HUI ZHE ZHI

Biomedical Engineering graduate, Class of 2011



BUSINESS WHIZ

Frank graduated from NTU with a double degree in business and computer science under the NTU College Scholarship. He is the CEO of Ty Innovations Pte Ltd.

FRANK QUEK

Electronic & Computer Engineering graduate, Class of 2009



ENGINEER & DOCTOR

Kellie was accepted into the SUTD-Duke-NUS Special Track for an Engineering Degree & Doctor of Medicine Degree. She also received the SUTD Global Distinguished Scholarship.

KELLIE SIM

Engineering Science graduate, Class of 2020

535 Clementi Road Singapore 599489

Admissions Hotline: 6463 1233

askNP@np.edu.sg

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