

# **MISSION POSSIBLE**

WITH SINGAPORE'S FIRST POLY





# **MISSION POSSIBLE**

**SCHOOL OF ARCHITECTURE &  
THE BUILT ENVIRONMENT**



**SCAN TO  
LEARN MORE**

Architecture (S66)

Civil Engineering (S68)

Facilities Management (S95)

Integrated Events & Project Management (S50)

Interior Design (S89)

Landscape Architecture (S94)



# CONTENTS

|    |                                              |    |
|----|----------------------------------------------|----|
| 01 | Architecture (S66)                           | 3  |
| 02 | Civil Engineering (S68)                      | 5  |
| 03 | Facilities Management (S95)                  | 7  |
| 04 | Integrated Events & Project Management (S50) | 9  |
| 05 | Interior Design (S89)                        | 11 |
| 06 | Landscape Architecture (S94)                 | 13 |
| 07 | Why SP?                                      | 15 |





## Creating Liveable Cities Through Innovation

Do you often stop to admire and wonder how skyscrapers, museums and bungalows were designed? Do you find yourself dreaming up new spaces and imagining how people respond to them? At the Diploma in Architecture (DARCH), you will have the opportunity to pursue your curiosity and bring your dreams to life in creative and meaningful ways.

Embark on an extraordinary journey with a rich 60-year legacy at DARCH. As urban experiences evolve, we equip you with the relevant, industry-aligned skillsets needed to thrive in the future of architecture. Embrace your curiosity and unleash your creativity through our project-based approach, where you'll innovate solutions that meet market demands.

Dive into the realm of green building design and create sustainable solutions that shape a brighter future. By seamlessly blending sustainability, technology, and innovation, you'll have the power to shape vibrant, liveable cities that leave a lasting impact.

Join our Diploma in Architecture and embark on an exhilarating journey to redefine how people live, breathe, and connect with their surroundings. Prepare to make your mark in the world of design, where endless possibilities await.

### FURTHER STUDIES

The strength of your DARCH diploma will get you advanced standings and module exemptions in both local and international architectural degree courses. Our graduates have continued their education at the National University of Singapore (NUS), the Singapore University of Technology and Design (SUTD) as well as renowned universities in Australia, United Kingdom and the United States.

### WHAT YOU CAN EXPECT

- Learn through a comprehensive curriculum that allows for both depth and breadth of development.
- Bring your ideas to life through hands-on design studio sessions.
- Take your learning beyond the classroom with our structured 22-week internship programme, where you'll gain real-world experience and establish valuable connections with the industry.
- Embark on transformative overseas study trips and discover the diverse architectural wonders of other cultures
- A SP-SUTD University Accelerated Pathway Programme that allows selected students to gain conditional early admission to SUTD\*

*\*The conditional early admission will require selected students to fulfil SUTD Term 1 courses in place of SP elective modules in the final phase of their Diploma programme.*

### SCHOLARSHIPS

- Singapore Polytechnic Scholarship
- SP Arts & Sports Award / Scholarships
- SP Undergraduate Scholarship
- Built Environment Scholarship (Offered under SgIS)
- Urban Redevelopment Authority (URA) Scholarship

### CAREER OPTIONS

- Architectural Assistant
- Architectural Associate
- Assistant Specialist (Digital Delivery)
- Designer
- Design Researcher
- Visualiser/Storyteller

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 8 – 15

Aggregate Type: ELR2B2-D

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GRADE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Design Studies</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Higher Art</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |



My love for storytelling and art drew me to architecture, where creativity meets real-world impact. At SP, I found the freedom to explore bold ideas through hands-on projects and collaborations that pushed my limits. From leading a sustainable design project in Thailand to late-night brainstorming with friends, every experience shaped me into a confident problem-solver. With the DesignSingapore Scholarship, I'll soon pursue Architecture at Cambridge University, ready to reimagine how we build our future cities!

#### Gabrielle Tran

DARCH Gold Medallist

DesignSingapore Scholarship Recipient

Enrolled in Cambridge University to pursue a Degree in Architecture



## WHAT YOU'LL STUDY

# Diploma in Architecture

## FIRST YEAR

- Introduction to Design
- Introduction to Technology & Sustainability
- Introduction to Design Communication
- Design Studio Fundamentals (Architecture)
- Technical Studies Fundamentals (Architecture)
- Design Representation Fundamentals (Architecture)
- Common Core Modules

## SECOND YEAR

- Design Studio I (Architecture)
- Technical Studies I (Architecture)
- Design Representation I (Architecture)
- Sustainable Innovation Project (SIP)
- Internship Programme
- Common Core Modules
- Elective 1

## THIRD YEAR

- Design Studio II (Architecture)
- Technical Studies II (Architecture)
- Technical Studies Research (Architecture)
- Design Representation II (Architecture)
- Domain Specific Module I
- Domain Specific Module II
- Common Core Modules
- Elective 2
- Elective 3

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Transforming the Cities of Tomorrow

Dive into a world of structures and mega projects. With the Diploma in Civil Engineering (DCE), you'll be right at the heart of designing, building, and taking care of the stuff that keeps the pulse of modern society strong. Think skyscrapers, highways, bridges, airports, and so much more!

Experience the art of turning innovative designs into reality. Master the construction of safe, efficient, and eco-friendly infrastructure. You'll develop skills for the digital economy, creating intelligent, interconnected structures using cutting-edge technologies like smart building systems and automation.

Singapore's booming construction landscape offers abundant career prospects, including major projects like Changi Airport Terminal 5 and new MRT lines.

If you're passionate about shaping cities and creating a better built environment, join our Diploma of Civil Engineering for a future where cities thrive!

### FURTHER STUDIES

With your SP diploma, you can gain direct entry into the second year of Civil Engineering degree programmes at the Nanyang Technological University (NTU) or National University of Singapore (NUS), as well as pursue a Civil Engineering degree at the Singapore Institute of Technology (SIT). Alternatively, you can pursue a degree in Building & Project Management at the Singapore University of Social Sciences (SUSS) or complete a related degree in two or three years in countries such as Australia or the United Kingdom.

### WHAT YOU CAN EXPECT

- Adoption of the Conceiving — Designing — Implementing — Operating (CDIO) Framework that provides you with an education focusing on Civil Engineering fundamentals set in the context of CDIO real-world systems and products.
- Opportunities to take part in competitions, seminars, overseas community service projects and study trips.
- Be equipped with relevant Civil Engineering Technical Skills & Competencies (TSCs) and Critical Core Skills (CCSs) that are aligned with the Skills Framework for the Built Environment.
- 22-Week/Year-Long Internship Programme to apply classroom learning to real life projects and to develop professional skills.
- SP-NTU/SP-NUS University Accelerated Pathway Programme: Take up modules taught by Nanyang Technological University (NTU) or National University of Singapore (NUS) and complete your degree at the respective university earlier.

### CAREER OPTIONS

- Assistant Engineer
- Assistant Project Manager
- Assistant Quantity Surveyor
- BIM Specialist
- Building Construction Safety Supervisor
- CAD Engineer
- Chartered Technologist
- Green Mark Accredited Professional
- Marketing Sales Executive
- Resident Technical Officer
- Site Supervisor
- Technical Executive

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 8 – 21

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

### SCHOLARSHIPS

- A\*STAR Science Award
- American Concrete Institute — Singapore Chapter Scholarship
- Built Environment Scholarship (Offered under SgIS)
- DSTA Scholarship
- PUB Engineering Scholarship
- Sarojini Devi Award
- Singapore Concrete Institute Scholarship
- SP Arts & Sports Award / Scholarships
- SP Engineering Scholarship
- SP Undergraduate Scholarship
- Urban Redevelopment Authority (URA) Scholarship
- Yogarajah Scholarship and Bursary Fund



I've always loved maths and physics, and civil engineering was the perfect way to apply both while shaping the world around us. At SP, hands-on projects and supportive lecturers helped me see how meaningful this field can be. From designing a floating concrete platform to tackling real-world challenges, SP gave me the skills, confidence, and friendships that built the foundation for my future in engineering.

**Jenise Lim**

DCE Gold Medallist

Internship at Singapore Land Authority



## WHAT YOU'LL STUDY

# Diploma in Civil Engineering

## FIRST YEAR

- Basic Mathematics
- Building Information Modelling (BIM)
- Civil Engineering Construction
- Computer Aided Drafting (CAD)
- Common Core Modules
- Elective 1
- Engineering Mathematics I
- Geomatics
- Introduction to Civil Engineering
- Structural Mechanics

## SECOND YEAR

- Civil Engineering Technology
- Common Core Modules
- Elective 2
- Engineering Mathematics II
- Geotechnical Engineering
- Hydrology & Hydraulics
- Project Management
- Reinforced Concrete Design & CAD
- Safety, Health & Environmental Management
- Structural Analysis
- Sustainable Innovation Project (SIP)

## THIRD YEAR

- Elective 3
- Internship Programme (22-week/Year-Long)
- Integrated Project
- Steel Design & CAD
- Transportation Engineering
- Water Technology

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Facilities Management

DFM — S95



## Elevating Spaces, Shaping Experiences

From managing facilities and spaces, creating sustainable environments, and implementing innovative solutions, the **Diploma in Facilities Management (DFM)** will empower you to shape how people experience and interact with various spaces.

In today's digital era, facilities management is at the forefront of embracing new technologies and innovative solutions.

You'll explore SMART FM technology, automation, the Internet of Things (IoT), and data analytics. You'll learn to implement environmentally friendly initiatives, such as energy-efficient systems, waste management strategies, and sustainable building practices. These advancements are revolutionising how spaces are managed, making it an exciting field to be a part of.

A world of exciting career opportunities awaits you in facilities management. Whether you choose to work with property developers, service providers, government agencies, or statutory boards, your expertise will be highly valued. You will also be awarded with three additional certificates upon graduation:

- Fire Safety Manager
- bizSAFE Level 2 (Risk Management)
- Supervise Construction Work for WSH

### FURTHER STUDIES

You can gain entry to a relevant degree course from local and international universities. The strength of your DFM diploma will get you generous advanced standing from reputable international universities and module exemptions from local universities.

### WHAT YOU CAN EXPECT

- Get involved in industry-linked projects with opportunities to explore innovative solutions.
- Engage in out-of-classroom projects and learning journeys to gain valuable insights and knowledge about the facilities management industry.
- Develop professional skills in a 22-week or Year-Long internship programme, at reputable organisations.
- Embark on enriching overseas internships and/or study trips to broaden your perspective and gain valuable insights.
- Gain industry relevant certifications that will give you a competitive advantage when you join the industry.
- SP-NUS University Accelerated Pathway Programme: Take up modules taught by National University of Singapore and complete your degree earlier.

### SCHOLARSHIPS

- Built Environment Scholarship (Offered under SgIS)
- Singapore Polytechnic Scholarship
- SP Arts & Sports Award / Scholarships
- SP Undergraduate Scholarship

### CAREER OPTIONS

- Building Executive
- Contracts/Procurement Executive
- Customer Service Executive
- Facilities Executive
- Fire Safety Manager
- Operations Executive
- Project Coordinator
- Property Executive
- Safety and Security Executive
- Strata Executive

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 13 – 18

Aggregate Type: ELR2B2-D

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GRADE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 6 |
| Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Design Studies</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Higher Art</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |



I chose SP for its strong reputation in Facilities Management and its hands-on learning approach. My time here taught me more than technical skills, it built my confidence and leadership. From leading a diverse team during my internship to organising community events as Vice President of SP Buddhism Society, I learned the importance of teamwork, empathy, and initiative. Every experience, guided by supportive lecturers, helped me grow into someone ready to take on real-world challenges and create meaningful change in the built environment.

**Edwin Ng**

DFM Gold Medallist

Internship at Jones Lang LaSalle



## WHAT YOU'LL STUDY

# Diploma in Facilities Management

## FIRST YEAR

- Common Core Modules
- Customer Relationship Management
- Drawing & Visualisation
- Electrical & Plumbing Services
- Fundamentals of Facilities Management
- IT & Data Analysis
- Leisure Amenities Management
- Principles of Management
- Structure & Fabric

## SECOND YEAR

- Asset Enhancement Strategy
- Building Diagnosis
- Common Core Modules
- Elective 1
- Elective 2
- Facilities Operations & Communications
- Fire Safety Management
- Mechanical Services
- Procurement & Contract Management
- Safety Health & Security
- Sustainability & Environmental Management
- Sustainable Innovation Project (SIP)
- Town Council & Strata Management

## THIRD YEAR

- Building Information Technology
- Digital Technologies for Smart City
- Elective 3
- Integrated Project
- Internship Programme (22-week/Year-Long)
- Project Management

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Integrated Events & Project Management

DEPM — S50



## Shaping Tomorrow, One Event at a Time

Ready for a thrilling career that's fast-paced and full of excitement while advocating sustainable events planning and management? If you have an eye for detail, a flair for creativity, and love working with diverse personalities, the Diploma in Integrated Events and Project Management (DEPM) is your perfect fit!

DEPM goes beyond traditional event management. We focus on the latest industry trends such as sustainability, digitalisation, building partnerships, and creating unique, personalized customer experiences. We'll equip you with the knowledge and skills to meet changing needs, providing you with a competitive edge in the job market.

Through our partnerships, you'll have opportunities to connect with a network of industry partners, allowing you to learn through authentic experiences and unlock new possibilities in the thrilling world of events.

### FURTHER STUDIES

With a DEPM diploma, you can pursue degree programme both locally and internationally, with the possibility of advanced standing or module exemptions. Some degree options to consider include Bachelor of Business in Hospitality and Tourism Management at Singapore Institute of Technology (SIT) and Bachelor of Science in Events Management at Singapore University of Social Sciences (SUSS).

These options provide a strong foundation for pursuing careers in the dynamic fields of hospitality, tourism, and events management.

### WHAT YOU CAN EXPECT

- Acquire hands-on experiences through planning and managing school events and real-life industry projects such as SP70 Celebratory Dinner, SP Arts Fiesta, Harry Potter: Visions of Magic, SAFRA Punggol Halloween Galaxy, HDB Tengah Estate Roadshows, Gamescom Asia and SemiCon SouthEast Asia.
- Gain practical knowledge through enriching learning journeys, local and overseas competitions and networking with industry captains.
- Develop professional skills through internship; expand global perspective with overseas opportunities.
- SP-NUS University Accelerated Pathway Programme: Take up of modules taught by National University of Singapore (NUS) and complete your degree earlier.

### SCHOLARSHIPS

- Singapore Polytechnic Scholarship
- SP Arts & Sports Award / Scholarships
- Sands Hospitality Scholarship
- SP Undergraduate Scholarship

### CAREER OPTIONS

- Client Experience Manager/Executive
- Conference Manager/Executive
- Event Manager/Executive
- Event Marketing and Sales Manager/Executive
- Exhibition Manager/Executive
- Operations/Project Manager/Executive
- Sponsorship Sales Manager/Executive

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 10 – 15  
Aggregate Type: ELR2B2-D

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GRADE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 – 6 |
| <ul style="list-style-type: none"><li>• Art</li><li>• Biology</li><li>• Biotechnology</li><li>• Chemistry</li><li>• Computing/Computer Studies</li><li>• Creative 3D Animation</li><li>• Design &amp; Technology</li><li>• Design Studies</li><li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li><li>• Electronics/Fundamentals of Electronics</li><li>• Higher Art</li><li>• Media Studies (English)</li><li>• Media Studies (Chinese)</li><li>• Physics</li><li>• Science (Chemistry, Biology)</li><li>• Science (Physics, Biology)</li><li>• Science (Physics, Chemistry)</li></ul> |       |



I chose SP for its vibrant culture and DEPM's strong industry exposure. My most memorable experience was organising Match for Life 2023 with the Bone Marrow Donor Programme! It was where classroom learning truly came alive. Winning the PCMA Global Student Competition also took me to Houston, Texas — an eye-opening experience that strengthened my confidence, creativity and passion for creating meaningful events.

**Ng Jun Han**

DEPM Gold Medallist

Sands Hospitality Scholarship Recipient

## WHAT YOU'LL STUDY

# Diploma in Integrated Events & Project Management

## FIRST YEAR

- |                                                                                                                                                                       |                                                                                                                                                                |                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Audio Visual System</li><li>• Common Core Modules</li><li>• Creative Media Tech</li><li>• Drawing and Visualisation</li></ul> | <ul style="list-style-type: none"><li>• Economics</li><li>• Elective 1</li><li>• Fundamentals of Event Management</li><li>• Hybrid Events Production</li></ul> | <ul style="list-style-type: none"><li>• Law</li><li>• Principles of Management</li><li>• Principles of Marketing</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                                                                          |                                                                                                                                                                                     |                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Analytics &amp; Info Management</li><li>• Common Core Modules</li><li>• Elective 2 &amp; 3</li><li>• Environmental Safety &amp; Health</li></ul> | <ul style="list-style-type: none"><li>• Event Budgeting &amp; Financials</li><li>• Event Materials &amp; Facilities Construction</li><li>• Integrated Project (Year Long)</li></ul> | <ul style="list-style-type: none"><li>• Logistics &amp; Site Operations</li><li>• MICE Management</li><li>• Project Management &amp; Sustainability</li><li>• Sustainable Innovation Project (SIP)</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                                          |                                                                                                                                                    |                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Cross Cultural Studies</li><li>• Experience Management</li></ul> | <ul style="list-style-type: none"><li>• Internship Programme (22-week/Year-Long)</li><li>• Public Relations &amp; Partnership Management</li></ul> | <ul style="list-style-type: none"><li>• Resource Procurement &amp; Negotiation</li><li>• Venue &amp; Facilities Management</li></ul> |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## Designing Meaningful and Purposeful Interior Spaces

Are you fascinated by how different design styles can transform a space and create unique experiences? Delve into the Diploma in Interior Design (DID), where you'll fuel your creativity, embrace design challenges and push the boundaries of the possibilities within a space.

DID aims to prepare students to thrive in the design industry, ensuring their graduation with pertinent design expertise and proficiencies. Our curriculum hones students' technical and design aptitudes, emphasizing both tangible and digital spatial exploration with an emphasis on sustainability. This includes crafting user experiences and guiding them through spatial elements like forms, materials, colour, and light. Additionally, the program develops the ability to effectively communicate conceptual ideas using both visual and verbal means.

If you have a keen eye for design and spaces inspire you, join us at the Diploma in Interior Design and master the art of creating inspiring interior worlds that ignite the imagination!

### FURTHER STUDIES

You can gain direct entry into various undergraduate degree programmes offered by local and other international universities. You will also be exposed to specialisation workshops and studio projects that will allow you to graduate with a design portfolio recognised by employers in the design industry, as well as universities.

### WHAT YOU CAN EXPECT

- Students from the Diploma in Interior Design share the first year Common Foundation Programme with Diploma in Architecture and Diploma in Landscape Architecture students.
- Learn cutting-edge design techniques and methods, combining hands-on exploration and digital, parametric design.
- Develop strong research grounding with an emphasis on experimenting to push the boundaries of your design ideas.
- Gain broad exposure to design trends by participating in overseas and local study trips and workshops conducted by local and international designers.
- Participate in Live Client Studio programmes with industry partners to see your design come to life!

### SCHOLARSHIPS

- Built Environment Scholarship (Offered under SgIS)
- Singapore Polytechnic Scholarship
- SP Arts & Sports Award / Scholarships
- SP Undergraduate Scholarship

### CAREER OPTIONS

- Interior Designer
- Design Executive (Sales)
- Exhibition Designer
- Furnishing, Fixtures & Equipment (FF&E) Designer
- Perspective Artist
- Spatial Planner
- Stage-set Designer
- Visual Merchandiser
- Walk-through Animator

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 11 – 15

Aggregate Type: ELR2B2-D

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GRADE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 – 6 |
| <ul style="list-style-type: none"> <li>Art</li> <li>Biology</li> <li>Biotechnology</li> <li>Chemistry</li> <li>Computing/Computer Studies</li> <li>Creative 3D Animation</li> <li>Design &amp; Technology</li> <li>Design Studies</li> <li>Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>Electronics/Fundamentals of Electronics</li> <li>Higher Art</li> <li>Media Studies (English)</li> <li>Media Studies (Chinese)</li> <li>Physics</li> <li>Science (Chemistry, Biology)</li> <li>Science (Physics, Biology)</li> <li>Science (Physics, Chemistry)</li> </ul> |       |



My passion for design began at my family's dining table, where I first experimented with colours and textures. At SP, that early spark grew into purpose. Through hands-on projects, inspiring mentors, and leadership experiences, I learned to design spaces that go beyond aesthetics, ones that tell stories and bring people together. Winning the Tan Kay Yong Gold Medal is an honour, but my greatest reward is discovering how design can shape lives and communities. SP has truly prepared me to create with empathy, purpose, and impact.

### Charissa Yong

DID Institutional Medallist

Tan Kay Yong Gold Medal Award Recipient

Currently pursuing a Bachelor of Arts in Architecture Degree at NUS

## WHAT YOU'LL STUDY

# Diploma in Interior Design

## FIRST YEAR

- Introduction to Design
- Introduction to Technology & Sustainability
- Introduction to Design Communication
- Design Studio Fundamentals (Interior Design)
- Technical Studies Fundamentals (Interior Design)
- Design Representation Fundamentals (Interior Design)
- Common Core Modules

## SECOND YEAR

- Design Studio I (Interior Design)
- Technical Studies I (Interior Design)
- Design Representation I (Interior Design)
- Sustainable Innovation Project (SIP)
- Internship Programme
- Common Core Modules
- Elective 1

## THIRD YEAR

- Design Studio II (Interior Design)
- Technical Studies II (Interior Design)
- Technical Studies Research (Interior Design)
- Design Representation II (Interior Design)
- Domain Specific Module I
- Domain Specific Module II
- Common Core Modules
- Elective 2
- Elective 3

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Designing Outdoor Spaces For Social Wellbeing

An enchanting botanical garden, a serene park in a housing estate or a mesmerising landscape of a resort — imagine having a hand in designing these spaces that help address climate change. With the Diploma in Landscape Architecture (DLA), you will be part of a profession that harness the skills to enrich lives, creating immersive landscapes that connect people with nature.

At DLA, we prepare students with design competencies, technical knowledge and digital skills for the landscape architecture profession to transform spaces into sustainable, green and engaging to communities in urban cities for users' enjoyment and well-being. It involves the study of existing spatial and environmental conditions and processes before responding with design interventions to achieve the desired design intent.

If you're passionate about shaping social spaces and making a positive impact, join us in the Diploma in Landscape Architecture program and embark on an inspiring journey of creativity, sustainability, and design excellence. Upon completion of the course, there will be a diverse range of work opportunities and further education prospects in store for you.

### FURTHER STUDIES

You can further your studies in Landscape Architecture at the National University of Singapore (NUS) locally, with one year of advanced standing. There are also overseas degree courses in Australia at the University of Melbourne and Royal Melbourne Institute of Technology (RMIT), in New Zealand at Lincoln University, and in United Kingdom at the University of Sheffield that offer module exemptions and advanced standing according to the respective university requirements.

### WHAT YOU CAN EXPECT

- Students from the Diploma in Landscape Architecture share the first year Common Foundation Programme with the Diploma in Architecture and Diploma in Interior Design students.
- Experience hands-on design processes in landscape architecture and master digitalisation skills for seamless communication and construction.
- Deepen your plant knowledge and learn to integrate greenery using cutting-edge landscape technologies.
- Engage in project-based courses that mirror professional workflows and receive valuable critiques for real-world assessments.
- Gain practical industry experience through internships with structured learning outcomes.

### CAREER OPTIONS

- Landscape Architecture Assistant
- Landscape Coordinator
- Landscape Designer
- Landscape Graphics Artist
- Landscape Product Specialist
- Landscape Project Manager
- Landscape Technical Officer
- Parks Officer
- Planning Executive
- Town Council Estate Officer

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6 – 15  
Aggregate Type: ELR2B2-D

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | GRADE |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Design Studies</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Higher Art</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

### SCHOLARSHIPS

- Built Environment Scholarship (Offered under SgIS)
- Singapore Polytechnic Scholarship
- SP Arts & Sports Award / Scholarships
- SP Undergraduate Scholarship
- Urban Redevelopment Authority (URA) Scholarship



I chose SP because it's the only poly that offers Landscape Architecture, a course that lets me design a greener, more sustainable Singapore! Representing SP at NParks' Landscape Design Challenge and learning from hands-on projects and inspiring lecturers deepened my passion for creating meaningful, people-centred spaces.

**Lim Jiin**

DLA Gold Medallist

Internship at Housing Development Board



## WHAT YOU'LL STUDY

# Diploma in Landscape Architecture

## FIRST YEAR

- Introduction to Design
- Introduction to Technology & Sustainability
- Introduction to Design Communication
- Design Studio Fundamentals (Landscape Architecture)
- Technical Studies Fundamentals (Landscape Architecture)
- Design Representation Fundamentals (Landscape Architecture)
- Common Core Modules

## SECOND YEAR

- Design Studio I (Landscape Architecture)
- Technical Studies I (Landscape Architecture)
- Design Representation I (Landscape Architecture)
- Internship Programme
- Sustainable Innovation Project (SIP)
- Common Core Modules
- Elective 1

## THIRD YEAR

- Design Studio II (Landscape Architecture)
- Technical Studies II (Landscape Architecture)
- Technical Studies Research (Landscape Architecture)
- Design Representation II (Landscape Architecture)
- Domain Specific Module I
- Domain Specific Module II
- Common Core Modules
- Elective 2
- Elective 3

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



# **MISSION POSSIBLE**

## **SCHOOL OF BUSINESS**



**SCAN TO  
LEARN MORE**

Accountancy (S75)

Banking & Finance (S76)

Business Administration (S71)

Human Resource Management with Psychology (S48)

Common Business Programme (S31)



# CONTENTS

|    |                                                 |    |
|----|-------------------------------------------------|----|
| 01 | Hear From Our Students!                         | 3  |
| 02 | Lecturer Spotlight                              | 4  |
| 03 | Accountancy (S75)                               | 5  |
| 04 | Banking & Finance (S76)                         | 7  |
| 05 | Business Administration (S71)                   | 9  |
| 06 | Human Resource Management with Psychology (S48) | 11 |
| 07 | Common Business Programme (S31)                 | 13 |
| 08 | Why SP?                                         | 15 |



# HEAR FROM OUR STUDENTS!



I started my journey at SP in the Common Business Programme (CBP) and decided to specialise in Banking and Finance because I was fascinated by the logical workings of the economy after going through my Economics module. I especially enjoyed the Business Negotiation Skills module, as it was hands-on, engaging, and provided practical skills that I use frequently!

Although I wasn't deeply involved in CCAs, I had the privilege of being part of the Singapore Polytechnic Outstanding Talent Club's EXCO. One of my fondest memories was after our final event — we were all incredibly satisfied and proud, knowing our hard work over the year had paid off.

**SP has taught me to be resourceful and adaptable in meeting the needs of our ever-changing world.**

It's also given me the ability to analyse situations from a logical perspective and build meaningful connections that will last beyond my time here.



**Edison Khoo**  
Diploma in Banking & Finance (DBKF)  
SP Course Medallist 2024



I chose SP's DHRMP because I wanted to develop strong people skills, which are invaluable in managing human capital. SP's DHRMP nurtured my interest in talent management while equipping me with industry experience and practical skills that have been crucial in applying academic concepts in university.

**SP also taught me how to work with diverse groups and manage stakeholders, which gave me the confidence to navigate university's steep learning curve and empowered me to speak up.**

My first year at Singapore Management University (SMU) was a steep learning curve, as I had to build up my confidence. My worldview was challenged, and I learned to approach things more holistically. It's been a rewarding journey so far, and I appreciate the opportunity to engage in multiple hands-on industry projects. My time in the Student Agency during my DHRMP internship has certainly provided a strong foundation for approaching these projects.

**Cherize Zaidi**  
Diploma in Human Resource  
Management with Psychology (DHRMP)  
Chua Chor Teck Gold Medal  
(Institutional Medal)  
TAFEP Gold Medal (Course Medal)



# Meet Jonathan Lok!

**Meet Jonathan, an SP alumnus who has come full circle, returning to where it all began to inspire the next generation of students.**

As a graduate of SP's Diploma in Business Information Technology (DBIT), Jonathan knows firsthand the transformative power of education. His passion for teaching, coupled with his industry experience in digital marketing, recently earned him SP's prestigious Excellence in Teaching Award, a testament to his commitment to shaping the future of his students.

**I love teaching at SP because it's a place of growth—where I could learn, evolve, and mature into who I am today.**

My favorite thing about SP? Definitely the people. Whether it's my colleagues, the students I've taught, or even the familiar faces I see every day—they've all contributed to making SP such a special place.

One of my most cherished memories is watching students grow from the first day they step into SP, not just in their academic journey, but in life. Seeing them succeed in their final-year projects, and later celebrating personal milestones like weddings, is incredibly fulfilling.

What keeps me motivated at work each day is the chance to shape the next generation, ensuring they're better prepared and more confident than I ever was.

My tip to students? Always understand the 'Why'. It will sharpen your thinking and prepare you for those moments when I'll inevitably ask 'Why?'







## Be the Future Accountant of a Changing World

More than just technical skills, SP's Diploma in Accountancy (DAC) develops future-ready professionals who are bold, adaptable, and purpose-driven, equipping graduates with a competitive edge to shape the future of business and society.

At SP, the Diploma in Accountancy is designed not just to teach accounting, but to prepare students for real-world challenges. Co-developed with industry partners, the curriculum blends technical mastery with digital, analytical, and entrepreneurial thinking — preparing students to support businesses, embrace automation, and contribute meaningfully to areas such as sustainability and Environmental, Social, and Governance (ESG) reporting.

**Our robust curriculum focuses on three main areas:**

### + Technical Accounting Expertise

Build strong skills in auditing, taxation, and financial reporting through case studies and industry-aligned modules. Uncover insights in the world of sustainability, predictive analytics, and forensic accounting through a robust, future-relevant syllabus. Learn how businesses operate and apply concepts in real-world settings.

### + Digital and Analytical Capabilities

Use tools like Power BI, UiPath, Singtax and ABSS to analyse data, automate tasks, and solve business problems.

### + Entrepreneurial Mindset and Industry Exposure

Work on client projects and ESG challenges to build adaptability, creativity, and confidence. Pitch ideas, learn from feedback, and make real impact.

At DAC, students discover real challenges, solve them with digital tools, and launch confidently into the workplace. They Act, Reflect, and Transform — building the mindset to grow and lead in a changing world.

## WHAT YOU CAN EXPECT

- Chart your own pathway and be equipped with multi-disciplinary skills, choosing from a variety of electives to deepen or broaden your learning.
- Gain valuable practical experience through a 22-week internship in auditing, accounting, or taxation.
- Eligible students may explore the opportunity of a year-long internship.
- Join competitions to gain exposure and hone your skills.
- Gain direct entry and enjoy generous advanced credit standing at established local and overseas universities.

## CAREER OPTIONS

As a DAC graduate, you will be sought after in the fields of:

- Assurance
- Business Consulting & Advisory
- Corporate Finance
- Data Analytics
- Financial Accounting & Reporting
- Financial Forensics & Fraud Investigation
- Internal Audit & Risk Management
- Management Accounting & Strategic Planning
- Mergers & Acquisitions (M&A) Advisory
- Robotics Process Automation (RPA)
- Sustainability Accounting & Environmental, Social, Governance (ESG) Reporting
- Taxation & Regulatory Advisory

## FURTHER STUDIES

As a DAC graduate, you have the option to further your studies at a local or overseas university or pursue a professional qualification.

We collaborate closely with professional bodies like ISCA, ACCA, ICAEW, and CIMA, which offer exemptions to help you fast-track your professional studies.

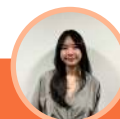
Alternatively, you may wish to pursue SP's part-time Specialist Diploma in Professional Accounting and Technology to deepen your knowledge and prepare yourself for the digital world.

## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 12

Aggregate Type: ELR2B2-B

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Introduction to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Music</li> <li>• Principle of Accounts</li> </ul> |       |



My internship with PwC's ESG team opened the door to a new area of work, where I gained hands-on experience in sustainability reporting and applying frameworks such as the International Sustainability Standards Board (ISSB). This helped me better understand how ESG frameworks relate to businesses' financial impacts and showed me how sustainability reporting is becoming essential in the accounting profession. It was a valuable experience that broadened my perspective as an accountancy student.

**Adelle Yip**

Year-long Internship at PwC Singapore



## WHAT YOU'LL STUDY

# Diploma in Accountancy

## FIRST YEAR

- Business Accounting
- Business Essentials Through Action 1
- Business Essentials Through Action 2
- Business Statistics
- Common Core Modules
- Economics
- Elective 1
- IT & Data Analysis for Business
- Technology for Business

## SECOND YEAR

- Auditing
- Accounting Analytics
- Advanced Financial Accounting
- Business Strategy & Sustainability
- Common Core Modules
- Cost & Management Accounting
- Elective 2
- Financial Accounting
- Forensic Accounting & Assurance
- Taxation

## THIRD YEAR

- + **Pathway 1: Innovation Pathway**
- Business & Company Law
- Final Year Project (Choice of Domain or Interdisciplinary Project)
- Elective 3
- Financial Management
- Predictive Analytics with AI
- 22-week Internship Programme
- + **Pathway 2: Immersion Pathway**
- Business & Company Law
- Financial Management
- Elective 3
- Predictive Analytics with AI
- Year-long Internship Programme

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.*



## Powering Economic Growth

Embark on an exciting journey with SP's Diploma in Banking & Finance (DBKF) at the School of Business, and acquire the knowledge and skills that are essential to kick off a meaningful career in the banking and finance sector.

### EMBARK ON YOUR DBKF JOURNEY

**Our curriculum is designed and curated with industry needs in mind, to ensure your future-readiness in three key focuses:**

#### + MASTERY: Attaining Industry Knowledge

Gain industry knowledge and insights in domains such as Risk & Compliance, Banking, Investments & Financial Markets and Wealth Management. The curriculum infuses industry knowledge, highlighting Financial Technology (FinTech) as an enabler to economic financial development, along with sustainability and sustainable finance principles aligned with global sustainability objectives.

#### + SKILLSETS: Attaining Industry Attributes

Acquire applied skills in collaboration, communication, creativity & innovation, and critical thinking. Acquire digital skills and solid working knowledge of relevant banking and finance technologies in automation, artificial intelligence, basic programming, and data analytics. Develop entrepreneurial mind-sets to be work ready and future ready.

#### + CREDIBILITY: Attaining Industry Exposure

The curriculum is curated and leveraged with strong industry links with banks, financial institutions, FinTech companies and SMEs to help you attain relevant industry exposure to be industry ready. You have opportunities to tackle real-world challenges through industry projects, staying updated on trends through industry engagement and events, gain internship experiences in renowned banks and financial institutions, earning recognition from both universities and employers.

### WHAT YOU CAN EXPECT

- Chart your own journey and enrich your learning experience by choosing from a range of electives or specialised options, such as the FinTech Immersion Pathway.
- Acquire valuable real-life experience through a variety of local and overseas programmes.
- Enjoy advanced standing at established universities.
- Access many excellent employment opportunities as a DBKF graduate, with skillsets that are highly sought after by the industry.

### CAREER OPTIONS

DBKF graduates can attain fulfilling careers in areas such as:

- Consumer Banking
- Commercial and SME Banking
- Credit Analysis and Operations
- Customer Experience and Wealth Advisory
- Financial Planning
- Fintech
- Fund Management
- Investment Research
- Private Banking
- Regulatory Compliance and Operations
- Risk Management
- Trade Finance
- Treasury and Capital Markets

DBKF graduates are also equipped to work in the finance department of any organisation.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 11

Aggregate Type: ELR2B2-B

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Introduction to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Music</li> <li>• Principle of Accounts</li> </ul> |       |



I worked under the private banking team in the client onboarding department. I focus more on the data analytics and data visualisation where I evaluate data and convert them into sensible and useful graphs for the upper management to make crucial operation decisions. The technical skill and background knowledge on visualisation softwares such as Tableau allowed me to learn faster at work due to my prior background knowledge in banking.

**Guan Xue Ting**

J.P. Morgan Apprentice

## WHAT YOU'LL STUDY

# Diploma in Banking & Finance

## FIRST YEAR

- Business Accounting
- Business Essentials Through Action 1
- Business Essentials Through Action 2
- Business Statistics
- Common Core Modules
- Economics
- Elective 1
- IT & Data Analysis for Business
- Technology for Business

## SECOND YEAR

- Business Analytics
- Business Law
- Common Core Modules
- Corporate Finance
- Elective 2
- Essentials of Risk Management
- Equity & Fixed Income Analysis
- Financial Markets & Institutions
- Financial Regulations & Compliance
- Fintech Innovations
- International Trade Finance
- Predictive Analytics with AI

## THIRD YEAR

- Credit Risk Analysis & Management
- Elective 3
- Internship Programme (including Year-Long Internship Programme)
- Final Year Project (Choice of Domain or Interdisciplinary Project)
- Treasury & Derivatives
- Wealth Management

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.*





## Be an Agile and Dynamic Business Strategist

The Diploma in Business Administration (DBA) empowers you with versatile, interdisciplinary business skills tailored for success in today's fast-paced digital economy. With insights across business specialisations coupled with sustainable practices shaping the future of business, you will gain the competitive advantage needed to become a well-rounded and forward-thinking business strategist.

**Our newly refreshed, industry-validated DBA curriculum is designed to offer you:**

### + Freedom to Design Your Unique Learning Experience

Pursue your interest and design your unique DBA experience with the flexibility to choose modules across 3 business specialisations:

- **Digital Enterprise & Innovation:** Master digital commerce and disruptive market strategies to stay ahead in the digital economy.
- **Digital Marketing & Analytics:** Deepen your understanding of digital marketing, branding, and data-driven analytics to create impactful campaigns for business growth.
- **International Trade & Business:** Gain insights into enterprise processes digitalisation, sustainable global logistics, as well as supply chain automation & analytics to excel in today's interconnected business world.

Besides your diploma, you can also earn additional certificates for specialisations to showcase your expertise, giving you an edge in your career.

### + Real-World Learning with an Entrepreneurial Mindset from Day 1

Start your journey as a business founder in Year 1 with the Business Essentials Through Action (BETA) module, where you will master fundamental business skills by launching your own business, powered by seed funding from SP. In Year 2, transit into the role of a business strategist in the Developing Enterprise Learning Through Action (DELTA) module, crafting go-to-market strategies for patent-pending innovations from SP's innovation centres and industry partners. In Year 3, enhance your expertise with Applied Industry Project and Internship with reputable companies, building a strong portfolio to elevate your future university and job applications.

### + Learn from Industry Leaders and Earn Professional Credentials

Learn from leading industry experts through real-life projects and learning journeys, from diverse sectors, such as e-commerce, technology and media, global logistics and more. You will also have a chance to earn industry-recognised professional credentials such as Meta Digital Marketing Associate and Sage ERP certification.

## WHAT YOU CAN EXPECT

- Broaden your global perspectives by collaborating with global counterparts through overseas projects, cultural exchanges, and international competitions.
- The DBA diploma is well-recognised by both local and overseas universities, allowing many of our graduates to secure prestigious scholarships to pursue business-related degrees. Our graduates may be granted up to one and a half years of exemption from typical three-year business-related degree courses by overseas universities.
- Benefit from our 38-year established track record, recognised for cultivating thoughtful business leaders.

## CAREER OPTIONS

With the advantage of a broad-based curriculum, DBA prepares you for an extensive range of career opportunities across diverse sectors and industries, in fields such as:

- Business Analytics
- Business Consulting & Strategy
- Digital Commerce
- Digital Marketing & Branding
- Digital Transformation
- Enterprise Process Improvement
- Global Sourcing & Procurement
- Sustainable Logistics & Supply Chain
- Innovation Strategy
- Performance Marketing

## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 4 – 12

Aggregate Type: ELR2B2-B

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Introduction to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Music</li> <li>• Principle of Accounts</li> </ul> |       |



During my internship at Mapletree, I've had the opportunity to not only understand and learn more about how VivoCity is managed, but also to assist in the development and execution of marketing campaigns, ensure efficient inventory management, building good tenant relations, and conducting site visits to ensure that we deliver the best shopping experience for our mall visitors.

**Matthew Ambrose Salcedo Jamero**

Internship at Mapletree Singapore

## WHAT YOU'LL STUDY

# Diploma in Business Administration

## FIRST YEAR

- Business Accounting
- Business Essentials Through Action 1
- Business Essentials Through Action 2
- Business Statistics
- Common Core Modules
- Economics
- Elective 1
- IT & Data Analysis for Business
- Technology for Business

## SECOND YEAR

### + Core Modules

- Business Analytics
- Common Core Modules
- Developing Enterprise Learning Through Action
- Elective 2
- Corporate & Capital Finance
- Sustainability for Business

### + Specialisation Taster

- Business Operations Excellence
- Consumer Research & Insights
- Digital Business Strategy & Innovation

### + Specialisation Modules

You will choose a total of 3 modules from a suite of specialisation modules:

#### + Digital Enterprise & Innovation

- Digital Commerce Development
- Market Disruptions Strategy

#### + Digital Marketing & Analytics

- Brand Management & Strategy
- Integrated Digital Marketing Strategy

#### + International Trade & Business

- Enterprise Processes & Digitalisation
- Sustainable Global Trade & Logistics

## THIRD YEAR

### + Core Modules

- Applied Industry Project
- Business Law
- Elective 3
- Final Year Project (Choice of Domain or Interdisciplinary Project)
- Internship Programme

### + Specialisation Modules

You will choose 1 module from a suite of specialisation modules:

#### + Digital Enterprise & Innovation

- Digital Business Intelligence & Analysis

#### + Digital Marketing & Analytics

- Analytics for Marketing Impact

#### + International Trade & Business

- Supply Chain Automation & Analytics

## ADDITIONAL CERTIFICATES

With the flexibility to mix and match different specialisation modules, students may attain additional certificates for specialisations depending on the combination of specialisation modules taken by the end of Year 3. Our curriculum also offers students the chance to attain professional accreditations.

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.*

# Human Resource Management with Psychology

DHRMP — S48



## Empowering People, Enabling Businesses

Discover the power of human connections with the Diploma in Human Resource Management with Psychology (DHRMP) at the School of Business. This course empowers you to shape organisations and people, combining the practical skills of HR management with an understanding of human behaviour to create positive workplace cultures.

Our human-centred curriculum places a strong emphasis on Emotional Quotient (EQ) development, immersing you in the transformative power of Emotional Intelligence and Positive Psychology.

By nurturing EQ, we equip our students with essential skills for understanding and engaging with people in diverse settings.

As pioneers in HR education, we offer professional assessment from the Institute for HR Professionals (IHRP), providing our students with the opportunity to become IHRP Certified Associates (IHRP-CA), and giving them a head start in their HR career journey.

Learning extends beyond the classroom, where hands-on projects, company visits, and global exposure amplify your understanding of human resource management. Build valuable workforce experience during your 22-week internship, network with professionals at HR events, and gain exposure at HR competitions. Through our strong partnerships with the HR community, you can collaborate with industry partners located on campus and hear from HR leaders to understand best practices in this field.

### WHAT CAN YOU EXPECT

- Acquire key HR competencies in areas such as talent attraction, talent development, automation and counselling.
- Gain real-life professional experience in your final year client-based consultancy project. See your solutions being implemented by your clients!
- With our very own PERSOLKELLY Career Centre located in the School of Business, DHRMP students can benefit from a range of exclusive resources from career coaching, resume writing to preparing for work.

### CAREER OPTIONS

The job prospects that await you in a wide spectrum of industries cover:

- Career Coaching
- Total Rewards Management
- Employee Engagement
- HR Business Partnering
- HR Technology and Analytics
- Learning and Talent Development
- Talent Management
- Talent Sourcing and Acquisition

Our DHRMP graduates have gained admission into prestigious local and international universities in courses including Business (HRM), Economics, Law, Psychology, Sociology and Social Work programmes.

If you choose to kick-start your HR career upon graduation, you could further deepen your learning through SkillFuture's Work-Study Programme for HR or through SP's Specialist Diploma in Enhanced HR Skills. The Specialist Diploma will enhance your competencies in HR innovation and positive psychology, value-adding to your HR career.

SP's holistic approach to nurture HR professionals ensures that our students are work-, life- and world-ready. Make a difference by developing people and helping organisations achieve their best!

- Gain corporate experience during your 22-week internship with industry partner companies.
- Eligible students may explore the opportunity of a year-long internship.
- Build your network at HR events such as the HR Tech Festival Asia, World HR Congress and the SHRI HR Hackathon.
- Chart your own pathway to deepen or broaden your learning. Choose from a variety of electives to achieve an additional certificate in Applied Psychology.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-12

Aggregate Type: ELR2B2-B

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Introduction to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Music</li> <li>• Principle of Accounts</li> </ul> |       |



DHRMP was one of the best choices I've ever made. I've learnt so much from the passionate lecturers and the hands-on curriculum. This helped during my internship at Elitez Group, where I had the privilege to work on the full HR spectrum and put what I've learnt straight into practice!

**Regine Tan**

Internship at Elitez Group



## WHAT YOU'LL STUDY

# Diploma in Human Resource Management with Psychology

## FIRST YEAR

- Business Accounting
- Business Essentials Through Action 1
- Business Essentials Through Action 2
- Business Statistics
- Common Core Modules
- Economics
- Elective 1
- IT & Data Analysis for Business
- Technology for Business

## SECOND YEAR

- Business Law
- Common Core Modules
- Elective 2
- Employee Engagement & Relations
- Employment Law
- Financial Management
- HR Technologies & Analytics
- Learning & Talent Development
- Negotiation & Conflict Management
- Performance Management
- Psychology in Counselling
- Talent Attraction & Sustainability
- Total Rewards Management

## THIRD YEAR

- Elective 3
- Final Year Project (Choice of Domain or Interdisciplinary Project)
- Global HR Management
- Integrated HR Project
- Internship Programme
- Psychology in Work Behaviour

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.*

# Common Business Programme

DCBP — S31



## Explore Broadly, Specialise Wisely

There are many pathways in the world of business – which one is right for you? The Common Business Programme (CBP) gives you the freedom to explore the various pathways – from finance, accountancy, business administration and human resource management – helping you to discover strengths and interests.

### NAVIGATING YOUR INTERESTS

During your first year, you will study modules that are tagged to future specialisations. We call these modules “taster modules”. This allows you to determine your aptitude and interest for the various business specialisations. You will not be disadvantaged from peers who choose to specialise early, as all students will be studying the taster modules in the first year.

Additionally, you will go through the “option exploration programme” where you will attend talks by industry experts, meet with lecturers teaching the various

specialisations, network with seniors from the various specialisations, and even attend learning journeys with companies in the various specialisations.

Further, you will attend a year-long Education and Career Guidance (ECG) class designed to help you make informed choices about your specialisation. During ECG classes, you will learn more about your personality, values and strengths through various profiling tools. You will be given opportunities to explore different career paths while reflecting on which specialisation best suits you.

### 6 Business Specialisations in Year 2

SB COMMON BUSINESS PROGRAMME



#### Accountancy

Diploma in Accountancy

#### Banking & Finance

Diploma in Banking & Finance

#### Human Resource

Diploma in Human Resource Management with Psychology

#### Digital Enterprise & Innovation

Diploma in Business Administration

#### Digital Marketing & Analytics

Diploma in Business Administration

#### International Trade & Business

Diploma in Business Administration

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 12

Aggregate Type: ELR2B2-B

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 |
| <ul style="list-style-type: none"> <li>• Art</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Introduction to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English)</li> <li>• Media Studies (Chinese)</li> <li>• Music</li> <li>• Principle of Accounts</li> </ul> |       |



CBP gave me the clarity and exposure I needed to discover where my interests truly lie. With engaging lessons, hands-on projects, and meaningful conversations with lecturers and industry professionals, I gained important insights and the confidence to choose a specialisation that aligns with both my strengths and long-term goals.

Ong Si Yin

3rd Year Finance Undergraduate, SMU

CBP students will then continue with their Year 2 and 3 studies in one of these specialisations.

## WHAT YOU'LL STUDY

# Common Business Programme

is a one year full-time programme, which forms the first year of a student's three-year diploma journey in SP.

## FIRST YEAR

- Business Accounting
- Business Essentials Through Action 1
- Business Essentials Through Action 2
- Business Statistics
- Common Core Modules
- Economics
- Elective
- IT & Data Analysis for Business
- Technology for Business

From AY2025 onwards, all SB students will read the module Business Essentials through Action (BETA), which runs as an integrated module over two semesters. BETA will incorporate aspects of 3 fundamental areas of Business: Marketing, Management and Human Resource Practices and Business Negotiation Skills. Students will work in teams to develop, launch and manage an actual business funded by Singapore Polytechnic. Profits generated by the business activity will be used to support a charitable project that the students have chosen. Through the process of "learning by doing", students will acquire and apply key entrepreneurship, marketing, business management and organisational behaviour theories. An opportunity to gain an understanding of their Personal Entrepreneurial Competencies awaits as they learn how to work with and through others.

A special year-long programme has been designed to help CBP students make an informed decision on which of the six specialisations to pursue in their second year.

Students will be exposed to the different business areas not only through the Education and Career Guidance (ECG) sessions and the taster modules but also through the Option Exploration Programme where they will:

- Engage with seniors and lecturers from the six specialisations
- Gain exclusive access to a customised portal with helpful resources
- Learn from industry practitioners and alumni
- Meet career coaches for career profiling
- Receive guidance from dedicated lecturers

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.*





# MISSION POSSIBLE

SCHOOL OF CHEMICAL  
& LIFE SCIENCES

Applied Chemistry (S64)

Biomedical Science (S98)

Chemical & Biological Engineering (S70)

Food Science & Technology (S47)

Optometry (S67)

Perfumery & Cosmetic Science (S38)

Common Science Programme (S28)



SCAN TO  
LEARN MORE



# CONTENTS

|    |                                         |    |
|----|-----------------------------------------|----|
| 01 | Hear From Our Students!                 | 3  |
| 02 | Applied Chemistry (S64)                 | 5  |
| 03 | Biomedical Science (S98)                | 7  |
| 04 | Chemical & Biological Engineering (S70) | 9  |
| 05 | Food Science & Technology (S47)         | 11 |
| 06 | Optometry (S67)                         | 13 |
| 07 | Perfumery & Cosmetic Science (S38)      | 15 |
| 08 | Common Science Programme (S28)          | 17 |
| 09 | Why SP?                                 | 19 |

# HEAR FROM OUR STUDENTS!

“

**I was drawn to SP for its reputable programmes and vibrant campus life. Looking back, SP opened the door to the world of fragrance and personal care creation, offering a unique blend of science and creativity.**

A 44-week internship at Eurofragrance Singapore and an Industry Now Curriculum project with Chaks Cosmetic Design brought theory to life, allowing me to make a real-world impact. Working with diverse teams taught me to harmonise perspectives to spark innovation. I also found meaning in community service through initiatives such as the Meals-on-Wheels programme.

Overall, SP and the Diploma in Perfumery & Cosmetic Science provided me with the technical knowledge and underscored the importance of collaboration in driving creativity and problem-solving.

**Ivis Tan Leyi**

Diploma in Perfumery & Cosmetic Science  
Lubrizol Southeast Asia Gold Medal (2024)

”

The Diploma in Food Science & Technology course at SP provided me with valuable insights into different areas of food science such as research and development, as well as food safety and quality.

The industry-focused curriculum curated by passionate lecturers enabled me to apply food science knowledge acquired to practical scenarios, notably in modules like 'Food Product Development & Packaging' and my Final Year Project. My internship also gave me new perspectives towards food manufacturing and safety protocols.

**Overall, my DFST journey was genuinely rewarding!**

**Nicholas Sim Jing Xiang**

Diploma in Food Science & Technology  
Lee Kuan Yew Award (2024)  
Singapore Food Manufacturers' Association Gold Medal (2024)  
Singapore Institute of Food Science & Technology Award Cum Rintoul Scholarship  
OCBC Prize (2024)





I am incredibly grateful for the opportunities SP has given me to grow both academically and personally. The collaborative learning environment, coupled with valuable industry exposure, has prepared me to step into the workforce with confidence. I'm also fortunate to have been guided by passionate and knowledgeable lecturers who fueled my love for chemistry.

**At the School of Chemical & Life Sciences (CLS), hands-on experience with advanced instruments and equipment greatly enriched my learning journey.**

Beyond academics, SP offers a wide range of extracurricular activities that added meaning to my student life. As a member of the SP Handball team, I had the chance to participate in a Sports Exchange Programme in Taiwan, creating unforgettable memories with my teammates! Winning the SP Invationals with them will always be a cherished highlight of my time here.

”

My time at Singapore Polytechnic pursuing the Diploma in Chemical Engineering (DCHE) was truly eventful. The course was both challenging yet rewarding with a perfect blend of theory and practical work, especially in SP's Energy & Chemicals Training Centre.

With the guidance of lecturers and technical executives, I was able to grasp and visualize real life problems, making this journey enriching. One of my fondest memories was representing SP in a competition where we clinched the first prize.

What I love about this course is its versatility where it gives me exposure to a wide range of industries from chemical, pharmaceuticals, biopharmaceuticals and even design. Through these opportunities, I was able to find my passion for product design.

**This course's accreditation and diverse content prepared me to pursue further studies at top universities and opened countless doors for my future.**

“



**Cadee Lu Xue'er**  
Diploma in Applied Chemistry  
Applied Chemistry Course Gold Medallist (2024)  
Megachem Gold Medal Recipient (2024)



**Jasmine Chan Sze Yi**  
Diploma in Chemical Engineering (renamed  
Diploma in Chemical & Biological Engineering)  
Petrochemical Corporation of Singapore Gold  
Medal Recipient (2024)



## Unveiling the Mysteries of Chemical Marvels

Discover the mysterious and captivating properties of chemicals, drugs and materials in this exciting applications-based journey. As the first course in Singapore dedicated to building a strong foundation in chemistry, Diploma in Applied Chemistry (DAPC) provides you the versatility to excel in various chemistry-related sectors.

### + An environment that encourages research and exploration

Thrive in a nurturing environment that provides you with opportunities to synthesise and test chemicals, drugs, and materials while pushing the boundaries of investigative chemistry.

### + A holistic and immersive learning journey

Grow your skills progressively throughout the three-year programme. In Year 1, you'll acquire the fundamentals of chemistry principles. In Year 2, you'll gain practical skills in chemical investigations and interpreting real-life results. In your final year, you'll harness your creativity to develop and optimise new products or methods to improve lives.

### + A promising future ahead

Upon graduation, you'll be fully prepared to contribute to the chemical, pharmaceutical, and materials-related industries. Whether you choose to embark on a fulfilling career or pursue further studies in tertiary institutions, the Diploma in Applied Chemistry sets the stage for your success.

### WHAT YOU CAN EXPECT

- Discover our state-of-the-art laboratory suites, designed for Analytical & Forensic Chemistry, Pharmaceutical Chemistry, and Materials Science. Immerse yourself in hands-on experimentation with cutting-edge equipment.
- Experience the frontiers of modern chemistry through internships at well established MNCs and SME.
- Delve into real-world projects and work alongside experts in the industry as well as local and overseas universities.
- Enjoy direct entry and advanced standing to renowned local and overseas universities.
- Explore a wide array of career options and pathways.
- Fast-track your admission to university through our University Accelerated Pathway Programme (UAPP) offered with partnership with both NTU and NUS.

### SCHOLARSHIPS

- A\*STAR Science Award
- Mitsui Chemicals Internship Placement (MCIP) Award
- MOH Holdings Scholarships
- Singapore Polytechnic Scholarships

### FURTHER STUDIES

Many of our graduates gain entry into degree programmes at local or overseas universities. Related degree programmes include Chemistry, Pharmaceutical Science, Materials Science and Engineering.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 3 – 9

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                         | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                              | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

### CAREER OPTIONS

- Application Chemist
- Assistant Engineer
- Chemical Technologist
- Chemist
- Environmental, Safety & Health Officer
- Materials Testing/Characterisation Specialist
- Process Designer
- Product Application Specialist
- Purchaser/Procurement Engineer
- Quality Assurance/Quality Control Laboratory Analyst
- Regulatory & Compliance Officer
- Research Assistant



I was part of the Quality Control Support (QCS) department where I gained knowledge on good manufacturing practices, components and the flow chart of the chain of bioreactors. This knowledge was further enhanced and reaffirmed when I went back to SP for my final semester, where modules were easier to understand.

**Chan Yong Hau**

DAPC Gold Medallist

Megachem Gold Medal Recipient

Internship at Novartis

## WHAT YOU'LL STUDY

# Diploma in Applied Chemistry

## FIRST YEAR

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Microbiology & Genetics
- The Art of Scent and Taste Experience (TASTER)

## SECOND YEAR

From Year 2, students are allowed to specialise in the area of their particular interest. They can choose from the following specialisations:

### + Material Science Specialisation

- Chemistry III
- Common Core Modules
- Coatings & Elastomers
- Elective 2
- Elective 3
- Engineering Mathematics II
- Materials Characterisation
- Materials Processing I
- Materials Processing II
- Metallic & Ceramic Materials
- Polymeric Materials
- Quality Assurance & Statistics

### + Industrial Chemistry & Pharmaceutical Science Specialisations

- Chemistry III
- Common Core Modules
- Elective 2
- Engineering Mathematics II
- Environmental & Water Technology
- Forensic Chemistry
- Further Chemistry I
- Further Chemistry II
- Laboratory Management
- Pharmacology & Pharmaceutical Chemistry
- Quality Assurance & Statistics

## THIRD YEAR

### + Industrial Chemistry Specialisation

- Advanced Instrumental & Lab Techniques
- cGMP & Validation
- Elective 3
- Internship Programme
- Organic Synthesis & Characterisation
- Petrochemicals & its Applications
- Speciality Chemicals

### + Pharmaceutical Science Specialisation

- Advanced Instrumental & Lab Techniques
- Biopharmaceutical & Pharmaceutical Engineering
- Biopharmaceutical & Pharmaceutical Practice
- cGMP & Validation
- Elective 3
- Internship Programme
- Organic Synthesis & Characterisation

### + Material Science Specialisation

- Internship Programme

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.

All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.





## The Science that ‘Saves Lives’

The science of saving lives takes centre stage here, with a focus on biology, chemistry, and data-driven technologies to understand human health and disease. The Diploma in Biomedical Science (DBS) offers you the opportunity to leverage artificial intelligence (AI) and precision science to support the future of personalised, predictive, and preventative healthcare.

Our students can choose from three exciting specialisations:

### + Medical Technology

Gain the skills to diagnose and manage human diseases by providing accurate and timely diagnosis with the use of medical technology.

### + Cardiac Technology

Save human lives, test heart functions to diagnose and intervene in heart related diseases.

### + Biomedical Research

Develop the skills to investigate diseases at the molecular and cellular level, supporting laboratory-based research and healthcare applications, contributing to better patient care by generating insights that support diagnosis and build the foundation for future medical advancements.

The Diploma in Biomedical Science is recognised by the **American Society for Clinical Pathology (ASCP)**, USA.

## FURTHER STUDIES

A high percentage of our graduates are offered admission to local universities. You have the flexibility to pursue Biomedical Sciences related programmes or other disciplines such as Medicine, Dentistry and Pharmacy. You may also be granted direct entry into the second or third year of degree programmes in international universities.

## WHAT YOU CAN EXPECT

- Get a head start with internship opportunities across hospitals and healthcare institutions, clinical/ diagnostic laboratories, multinational biopharmaceutical & med-tech companies, and top-ranking overseas universities.
- Gain authentic learning experiences by training with National Heart Centre Singapore for Cardiac Technology.
- Take your pick from elective modules in Forensic Biology, Cytogenetics or Introductory Pharmacology to expand your interests.
- Enjoy direct entry and advanced standing at renowned local and overseas universities.
- Explore a wide array of career options and pathways available to our graduates.
- Fast-track your admission to university through our University Accelerated Pathway Programme (UAPP) offered with partnership with both NTU and NUS.

## CAREER OPTIONS

- Assistant Biotechnologist
- Assistant Quality Control Laboratory Analyst
- Cardiac Technologist
- Clinical Research Coordinator
- Medical Technologist
- Phlebotomist
- Quality Assurance Assistant
- Research Assistant
- Sales and Marketing Executive
- Technical Specialist

## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 3 – 7  
Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                         | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                              | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

## SCHOLARSHIPS

- A\*STAR Science Award
- EDB Scholarship
- MOH Holdings Scholarships
- SAF Merit Scholarship
- Singapore Polytechnic Scholarships
- Singapore-Industry Scholarship



I was lucky enough to have the opportunity to work with Professor Ewe, the Director of Echocardiography at NHCS. Learning about the intricacies and theory of echocardiography from such an esteemed professional was a once-in-a-lifetime experience. Discussing the fascinating case studies she had encountered was truly inspiring and deepened my interest in pursuing cardiology.

### Jotham Wong

Lee Kuan Yew Award Recipient  
DBS Gold Medallist  
Alfred Roberts Edis Prize Winner  
Internship at National Heart Centre Singapore

## WHAT YOU'LL STUDY

# Diploma in Biomedical Science

## FIRST YEAR

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Microbiology & Genetics
- The Art of Scent and Taste Experience (TASTER)

## SECOND YEAR

From Year 2, students are allowed to specialise in the area of their particular interest. They can choose from the following specialisations:

### + Medical Technology Specialisation

- Anatomy & Physiology
- Chemistry III
- Clinical Chemistry
- Common Core Modules
- Elective 2
- Histological Techniques & Digital Pathology
- Immunology
- Medical Microbiology
- Molecular & Cellular Techniques
- Project
- Statistics

### + Cardiac Technology Specialisation

- Anatomy & Physiology
- Chemistry III
- Clinical Chemistry
- Common Core Modules
- Elective 2
- Elective 3
- Histological Techniques & Digital Pathology
- Immunology
- Medical Microbiology
- Molecular & Cellular Techniques
- Statistics

### + Biomedical Research Specialisation

- Anatomy & Physiology
- Biotherapeutics
- Chemistry III
- Common Core Modules
- Elective 2
- Histological Techniques & Digital Pathology
- Immunology
- Medical Microbiology
- Molecular & Cellular Techniques
- Project
- Statistics

## THIRD YEAR

### + Medical Technology Specialisation

- Applied AI in Healthcare
- Elective 3
- Haematology
- Internship Programme
- Project

### + Cardiac Technology Specialisation

- Applied Cardiac Anatomy & Physiology
- Clinical Attachment
- Diagnostics & Intervention Cardiac Catheterisation
- ECG & Rhythm Disorders
- Echocardiography
- Electrophysiology & Pacemakers
- General Cardiology & Cardiac Disorders 1
- General Cardiology & Cardiac Disorders 2

### + Biomedical Research Specialisation

- Applied AI in Healthcare
- Elective 3
- Internship Programme
- Project
- Translational Biomedical Research & Innovation

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.

All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.

# Chemical & Biological Engineering

(Previously Diploma in Chemical Engineering)



## Catalysing Innovations, Empowering Sustainable Future

Join us at Chemical & Biological Engineering in SP if you have a passion for science, mathematics and technology, and if you want a fulfilling and meaningful learning journey. Here, you'll be empowered to investigate problems and design solutions and products using sustainable, real-world, cost-effective, safe and cutting-edge processes for the chemical industry and the emerging bioeconomy. Oil and gas, petrochemicals, pharmaceuticals, biopharmaceuticals, specialty chemicals, food, utilities, clean energy and water are some products where chemical & biological engineering play a central role.

In chemical & biological engineering, you will learn about changing raw materials into useful products that you use every day in a safe and sustainable way. You will understand how to alter the chemical, biochemical or physical state of a substance to create many products from seaweed wine to bioplastics.

If you aspire to leave a lasting impact and shape the sustainable future, join our **Diploma in Chemical & Biological Engineering (DCBE)** course and be a catalyst for positive change.

### FURTHER STUDIES

Each year, more than half of our graduates secure placements in prestigious universities both locally and internationally. Their fields of study extend beyond chemical engineering to include chemical and biomolecular engineering, bioengineering, environmental engineering, materials engineering, among others.

As the first chemical engineering diploma in Singapore, we are the first chemical engineering (or equivalent) diploma course that achieved accreditation from the Institution of Chemical Engineers (IChemE UK) since 1996. This international accreditation affords our graduates preferential consideration for university admissions in both local and overseas universities, often resulting in module exemptions or advanced standing in their degree programs.

### SCHOLARSHIPS

- A\*STAR Science Award
- Singapore Polytechnic Scholarships

### WHAT YOU CAN EXPECT

- Make concepts real and develop hands-on skills at SP's 1600-m<sup>2</sup> Energy & Chemicals Training Centre, featuring the Interactive Plant Environment and smart chemical processing equipment.
- Gain pharmaceutical and biological engineering expertises in the Pharmaceutical Processing Suite and Biologics Laboratories to equip you with the skills needed for a successful career in the energy, chemicals, biopharmaceutical industries and many more.
- Fast-track your admission to university through our University Accelerated Pathway Programme (UAPP) offered with partnership with both NTU and NUS.
- Immerse yourself in Conceive-Design-Implement-Operation (CDIO) educational framework originated from Massachusetts Institute of Technology's (MIT, USA), focusing on real-world engineering education and learning experiences.
  - **CONCEIVE** — To identify and define real world problems with creative thinking
  - **DESIGN** — To approach a problem and outline possible solutions
  - **IMPLEMENT** — To apply and verify the possible solutions
  - **OPERATE** — To optimise and improve the final product and determine its life cycle
- Gain authentic learning experiences through 22-weeks internship opportunities at Abbott, Pfizer, P&G, Nestle, Mitsui, Aster, Lonza, Novartis, and A\*STAR research institutes.

DCBE — S70

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 12  
Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

### CAREER OPTIONS

#### Biopharmaceutical Sector

- Biotechnologist
- Laboratory Analyst
- Production Technician
- Quality Assurance/Control Assistant

#### Chemical Sector

- Assistant Process Engineer
- Laboratory Technician/Technologist
- Process Technician
- Product Technologist

#### Workplace Safety Sector

- Environmental Management System Coordinator
- Process Safety Officer
- Workplace Safety and Health Coordinator



I believe that being a Jack of all trades can be better than a master of one, as versatility and adaptability are essential in today's fast-paced world. The DCBE course has taught me a multitude of skills, from technical expertise to interpersonal communication. I developed a passion for product design and other engineering specialisations that I never thought I would enjoy. With a diverse skill set and a broad knowledge base, I am well-equipped to face any challenges that lie ahead.

**Tan Min Jin Albie**

DCHE Gold Medallist

Petrochemical Corporation of Singapore  
Gold Medal Recipient



## WHAT YOU'LL STUDY

# Diploma in Chemical & Biological Engineering

## FIRST YEAR

- Basic Mathematics
- Chemical & Biological Engineering Laboratory 1A
- Chemical & Biological Engineering Laboratory 1B
- Chemistry I
- Chemistry II
- Common Core Modules
- Engineering Mathematics
- Fluid Flow & Equipment
- Heat Transfer & Equipment
- Introduction to Chemical & Biological Engineering
- Principles of Biochemistry & Cell Biology
- Thermodynamics

## SECOND YEAR

- Biopharmaceutical & Pharmaceutical Engineering
- Chemical & Biological Engineering Laboratory 2A
- Chemical & Biological Engineering Laboratory 2B
- Chemical & Biological Process Control
- Chemical & Biological Reaction Engineering
- Chemical & Biological Separation Processes
- Common Core Modules
- Elective 1
- Elective 2
- Engineering Mathematics II
- Sustainable Product & Process Design 1
- Sustainable Energy & Carbon Management

## THIRD YEAR

- Capstone Project
- Common Core Modules
- Elective 3
- Internship Programme
- Process Plant Safety & Engineering Ethics
- Sustainable Product & Process Design 2

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Food Science & Technology

DFST — S47



## The Science that Spices up Lives

**Ignite your passion for food and dive into the captivating realm where science meets taste!**

Join us at the Diploma in Food Science & Technology (DFST) and unlock the secrets behind the food we eat — from ingredients to AI-assisted product development, food safety, packaging, and delivering amazing consumer products.

Our hands-on, industry-focused curriculum combines design thinking with real projects, equipping you with the skills to create safe, nutritious, and innovative food products that people love.

Stay ahead with exposure to cutting-edge trends like AI in food manufacturing, smart factories, automation, sustainable production and side-stream valorisation. Apply science and technology to solve real-world challenges, ensuring food is safe, high-quality, and globally compliant.

Are you ready to step into the future of food and become a creative, tech-savvy food technologist shaping the next generation of tasty, healthy, and innovative products? Join us at the Diploma in Food Science & Technology course and unlock the secrets that make every bite a truly unforgettable experience!

### FURTHER STUDIES

You can apply for related degree programmes at local or international universities such as:

- Bachelor of Science (Food Science and Technology) at NUS
- Degree in Biological Sciences/Chemical and Biomolecular Engineering/Chemistry and Biological Chemistry with a Second Major in Food Science and Technology at NTU
- Bachelor of Food Technology with Honours or Bachelor of Science with Honours in Dietetics and Nutrition at SIT
- Bachelor of Science (Food Technology Major), University of Queensland

### WHAT YOU CAN EXPECT

- Test out your concepts at the well-equipped facilities such as the Food Creation Lab, Dough and Roll Studio, Food Analysis Lab, Food Processing & Packaging Lab and Biotransformation Lab.
- Experience real-world learning and industry mentorship through SP's Industry Now Curriculum, anchored at the Food Innovation Resource Centre (FIRC) and Future Food Lab (FFL).
- Deepen your global and local perspectives with a 22-week internship, overseas study trips, and hands-on exposure to food safety, food processing and food product development.
- Get your food products on the shelves through industry-linked Final Year Projects.
- Enjoy direct entry and advanced standing to renowned local and overseas universities.
- Explore a wide array of career options and pathways available to our graduates.
- Fast-track your admission to university through our University Accelerated Pathway Programme (UAPP) offered with partnership with both NTU and NUS.

### CAREER OPTIONS

- Assistant Food Technologist/Food Technologist
- Food Audit Officer
- Food Hygiene Officer
- Food Safety Officer
- Laboratory Technologist
- Market Development Executive
- Packaging Technologist
- Quality Assurance/Quality Control Executive
- Research & Development Technologist
- Sales & Marketing Executive

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 12

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                       | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                    | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                     | 1 – 6 |
| <ul style="list-style-type: none"><li>• Biology</li><li>• Biotechnology</li><li>• Chemistry</li><li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li><li>• Physics</li><li>• Science (Chemistry, Biology)</li><li>• Science (Physics, Biology)</li><li>• Science (Physics, Chemistry)</li></ul> |       |

### SCHOLARSHIPS

- A\*STAR Science Award
- BASF Scholarship
- MOH Holdings Scholarships
- SFMA — Pek Cheng Chuan Scholarship
- SIFST Best Student Award cum Rintoul Memorial Scholarship
- Singapore Polytechnic Scholarships
- Tai Hua Scholarship



My internship experience has helped to shape my current aspirations as I had a taste of what research and product development is like. While utilising different technologies to improve the nutritional quality of various food products, it aroused my interest to explore more possibilities of producing food products in a sustainable manner.

**Wong Zi Hua**

DFST Gold Medallist

Global Executive Scholarship Recipient

Internship at Nestlé R&D Centre Singapore

## WHAT YOU'LL STUDY

# Diploma in Food Science & Technology

## FIRST YEAR

- |                                                                                                                                                                               |                                                                                                                                                     |                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Basic Mathematics</li><li>• Biochemistry &amp; Cell Biology</li><li>• Chemical Safety &amp; Biosafety</li><li>• Chemistry I</li></ul> | <ul style="list-style-type: none"><li>• Chemistry II</li><li>• Common Core Modules</li><li>• Elective 1</li><li>• Engineering Mathematics</li></ul> | <ul style="list-style-type: none"><li>• Instrumental Analysis</li><li>• Microbiology &amp; Genetics</li><li>• The Art of Scent and Taste Experience (TASTER)</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                             |                                                                                                                                                               |                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Chemistry III</li><li>• Common Core Modules</li><li>• Elective 2</li><li>• Food Chemistry</li></ul> | <ul style="list-style-type: none"><li>• Food Ingredients</li><li>• Food Microbiology</li><li>• Food Preservation</li><li>• Food Process Engineering</li></ul> | <ul style="list-style-type: none"><li>• Food Product Development &amp; Packaging</li><li>• Food Safety &amp; Quality Management</li><li>• Nutrition</li><li>• Statistics</li></ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                            |                                                                                          |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Common Core Modules</li><li>• Elective 3</li></ul> | <ul style="list-style-type: none"><li>• Internship Programme</li><li>• Project</li></ul> |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## The Gift of Sight through Science

Vision is not merely the ability to see, but a portal to a world of possibilities. The Diploma in Optometry (DOPT) empowers you with the valuable skills and knowledge to fulfil your calling in the noble field of eye-care.

Throughout your educational journey, we foster an appreciation for optimal eye health and eyesight, equipping you with the skills needed to manage conditions such as myopia and presbyopia, detect common eye diseases and correct vision with spectacles and contact lenses.

Beyond the classroom, you will engage in hands-on training, harnessing state-of-the-art technology at the SP Optometry Centre.

Upon completion of your diploma, become a licensed optometrist registered with the Optometrists and Opticians Board (OOB), regulated by the Ministry of Health.

If you yearn to illuminate lives through eye care, join us in the Diploma in Optometry course for a fulfilling career.

### FURTHER STUDIES

You can apply for related degree programme at international universities such as the Bachelor's/Masters degree in Optometry in United Kingdom or Australia. Many of our graduates are offered module exemptions or direct entry into the second or third year of their university degree programmes. You are also eligible to apply for many non-optometry undergraduate programmes such as Medicine, or in the areas of biological sciences and allied health at local universities.

### WHAT YOU CAN EXPECT

- Hone your skills at our 1200-m<sup>2</sup> training facilities, which include multiple training laboratories and our SP Optometry Centre. This state-of-the-art learning environment is supported by renowned brands like Zeiss and EssilorLuxottica.
- Experience hands-on learning opportunities from your first year, including industrial attachments to hospitals, optometric practices, and lens companies. Enhance your practical skills and knowledge through a 22-week internship in the final semester.
- Expand your horizons with local and overseas study trips, engaging in community service projects, participating in conferences, or attachments to healthcare and research institutions.
- Enjoy direct entry and advanced standing to renowned local and overseas universities.
- Explore a wide array of career options and pathways available to our graduates.

### CAREER OPTIONS

- Clinical optometrist
- Community-based optometrist
- Lens Consultant
- Marketing and Customer Development Executive
- Professional Affairs Executive
- Research Optometrist

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 7 – 11

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                         | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                              | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants with severe physical impairment may encounter difficulties meeting the course requirements and expectations. Please refer to the Optometrists & Opticians Board (OOB) Professional Practice Code and Guidelines on "Fitness to Practice" for guidance. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

### SCHOLARSHIPS

- MOH Holdings Scholarships
- Singapore Polytechnic Scholarships



During my internship at Johnson & Johnson Vision Care, I gained invaluable insights and applied skills from my SP diploma courses to facilitate eye care programs. Working closely with industry professionals, I organised ACUVUE® awareness events for Eye Care Professionals and the public, honing my planning and execution abilities. This experience at J&J enriched my industry knowledge significantly.

#### Gloria Wee

Internship at Johnson & Johnson Experience Center

## WHAT YOU'LL STUDY

# Diploma in Optometry

## FIRST YEAR

- Basic Mathematics
- Clinical Optometry 1
- Clinical Optometry 2
- Common Core Modules
- Engineering Mathematics
- Geometrical & Physical Optics
- Human Anatomy, Physiology & General Medical Disorders
- Ocular Anatomy & Physiology
- Ophthalmic Dispensing
- Ophthalmic Optics
- Physiological & Visual Optics

## SECOND YEAR

- Binocular Vision
- Chemistry I
- Chemistry II
- Clinical Optometry 3
- Clinical Practice 1
- Common Core Modules
- Contact Lens Practice 1
- Contact Lenses
- Elective 1
- Elective 2
- Ocular Disease 1

## THIRD YEAR

- Clinical Practice 2
- Common Core Modules
- Contact Lens Practice 2
- Elective 3
- Internship Programme
- Ocular Disease 2
- Paediatric Optometry

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Perfumery & Cosmetic Science

DPCS — S38



## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 11

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                         | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                              | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

## The Science that Invokes the Senses

The Diploma in Perfumery & Cosmetic Science (DPCS) is where innovation and creativity intertwine to create enchanting possibilities in fragrance and cosmetic formulation.

Our integrated approach ensures an immersive and hands-on learning journey through in-depth lectures, internships, and collaborations with industry partners, empowering you to acquire practical skills and valuable industry insights.

The realm of fragrance and cosmetics is not only alluring, but also profitable and stable. At DPCS, you'll be empowered with skills and expertise to flourish and take hold of opportunities that beckon from every corner of the globe.

Ever wanted to concoct captivating formulations? Join the Diploma in Perfumery & Cosmetic Science course and immerse yourself in this fascinating field.

### WHAT YOU CAN EXPECT

- Immerse yourself in our cutting-edge Consumer Chemicals Technology Centre and Perfumery & Cosmetic Science Centre.
- Gain mastery through our Industry Now Curriculum (INC) and 44-week internship, turning science into real world innovations with leading industry partners.
- Benefit from internships with perfumers, chemists, and product formulators in reputable chemical companies, fragrance houses, and fast-moving consumer goods companies.
- Integrate chemistry, creativity, and sustainability to design and formulate innovative personal care products, preparing you for dynamic careers in the industry. to our graduates.

- Enjoy direct entry and advanced standing to renowned local and overseas universities.

- Fast-track your admission to university through our University Accelerated Pathway Programme (UAPP) offered with partnership with both NTU and NUS.

- At the heart of our programme lies the cutting-edge Perfumery and Cosmetic Science Centre. This facility shapes your learning experience through three core pillars:

#### + Conceptualisation:

##### Foster Creative Thinking

Employ design thinking to develop new innovative formulations that address genuine user needs.

#### + Crystallisation:

##### Transform Ideas into Reality

Bring your dreams to life by creating formulations or extracting natural ingredients.

#### + Communication:

##### Realise Aspirations

Showcase your ideas to industry stakeholders for a chance to actualise your formulations in the market.

### SCHOLARSHIPS

- A\*STAR Science Award
- Singapore Polytechnic Scholarships
- Society of Cosmetic Scientists (Singapore) Merit Award

### FURTHER STUDIES

Many of our graduates gain entry into degree programmes at local or overseas universities. You can pursue further studies in the areas of cosmetic science, perfumery and chemistry.

## CAREER OPTIONS

- Assistant/Junior Fragrance Evaluator
- Chemist
- Formulator
- Procurement Executive
- Product Application Chemist
- Product Development Specialist
- Quality Assurance/Quality Control Laboratory Analyst
- Regulatory and Product Safety Personnel
- Sales/Business/Marketing Executive
- Trainee/Assistant Perfumer



During my internship at PT Megasurya Mas (Indonesia), an R&D lab, I dove into cosmetics formulation, mastering raw materials and crafting emulsions and creams. I believe that SP equipped me with foundational knowledge, laboratory skills, and chemistry understanding, which seamlessly translated to my internship learning.

**Adelia Goh Zhi Xuan**

Internship at PT Megasurya Mas

## WHAT YOU'LL STUDY

# Diploma in Perfumery & Cosmetic Science

## FIRST YEAR

---

- |                                                                                                                                                                               |                                                                                                                                                     |                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Basic Mathematics</li><li>• Biochemistry &amp; Cell Biology</li><li>• Chemical Safety &amp; Biosafety</li><li>• Chemistry I</li></ul> | <ul style="list-style-type: none"><li>• Chemistry II</li><li>• Common Core Modules</li><li>• Elective 1</li><li>• Engineering Mathematics</li></ul> | <ul style="list-style-type: none"><li>• Instrumental Analysis</li><li>• Microbiology &amp; Genetics</li><li>• The Art of Scent and Taste Experience (TASTER)</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

---

- |                                                                                                                                                                  |                                                                                                                                                                                            |                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Chemistry III</li><li>• Chemistry of Cosmetic Raw Materials</li><li>• Common Core Modules</li><li>• Elective 2</li></ul> | <ul style="list-style-type: none"><li>• Elective 3</li><li>• Engineering Mathematics II</li><li>• Formulation &amp; Colloidal Science of Cosmetics</li><li>• Fragrance Chemistry</li></ul> | <ul style="list-style-type: none"><li>• Quality Assurance &amp; Statistics</li><li>• The Art of Perfumery</li><li>• The Olfactive Palette</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

---

- |                                                                        |                                                                                                     |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Internship Programme</li></ul> | <ul style="list-style-type: none"><li>• Safety Assessment, GMP &amp; Cosmetic Regulations</li></ul> |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

---

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



# Common Science Programme

DCSP — S28



## Discover the Possibilities in Science

Unlock your passion for science and embark on a transformative journey of exploration with the Common Science Programme (DCSP).

### Get hands-on exposure to diverse scientific disciplines

If you crave more exposure and experience to discover your true scientific calling, this is the platform for you. Immerse yourself in a curriculum that features curated taster modules and a Diploma Exposure Programme that will illuminate the diverse scientific disciplines awaiting your discovery.

### FURTHER STUDIES

Depending on the choice of diploma, DCSP students can continue to pursue their respective science degree programme at a local or international university.

### WHAT YOU CAN EXPECT

DCSP students go through a common Year 1 curriculum as students from the Diploma in Applied Chemistry, Biomedical Science, Food Science & Technology and Perfumery & Cosmetic Science.

Armed with insights and knowledge, you'll be empowered to make an informed choice to pursue your diploma towards the end of Year 1, where you will be invited to rank your preferences among the four constituent full-time diploma courses offered by CLS:

- Diploma in Applied Chemistry (S64)
- Diploma in Biomedical Science (S98)
- Diploma in Food Science & Technology (S47)
- Diploma in Perfumery & Cosmetic Science (S38)

*\* Kindly note that the Diploma in Optometry and Diploma in Chemical Engineering, offered by the School of Chemical & Life Sciences, are not included in the Common Science Programme due to curriculum distinctions.*

DCSP students will then undergo a seamless transition into the Year 2 curriculum with their fellow peers whom had enrolled directly into the respective diploma courses from Year 1.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 7 – 9

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                         | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                             | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                              | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

## WHAT YOU'LL STUDY

# Common Science Programme

is a one year full-time programme, which forms the first year of students' three-year diploma journey in SP.

YEAR 1

### Common Science Programme (S28)

Students begin their Science journey by going through a common first year curriculum

Towards the end of Year 1 Semester 2  
Select 1 of 4 CLS diplomas to specialise

YEAR  
2 & 3

Diploma in  
Applied  
Chemistry

S64

Diploma in  
Biomedical  
Science

S98

Diploma in  
Food Science  
& Technology

S47

Diploma in  
Perfumery  
& Cosmetic  
Science

S38

Seamless transition into the year two curriculum with their peers who are enrolled directly into the respective diploma courses

## FIRST YEAR

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Microbiology & Genetics
- The Art of Scent and Taste Experience (TASTER)

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

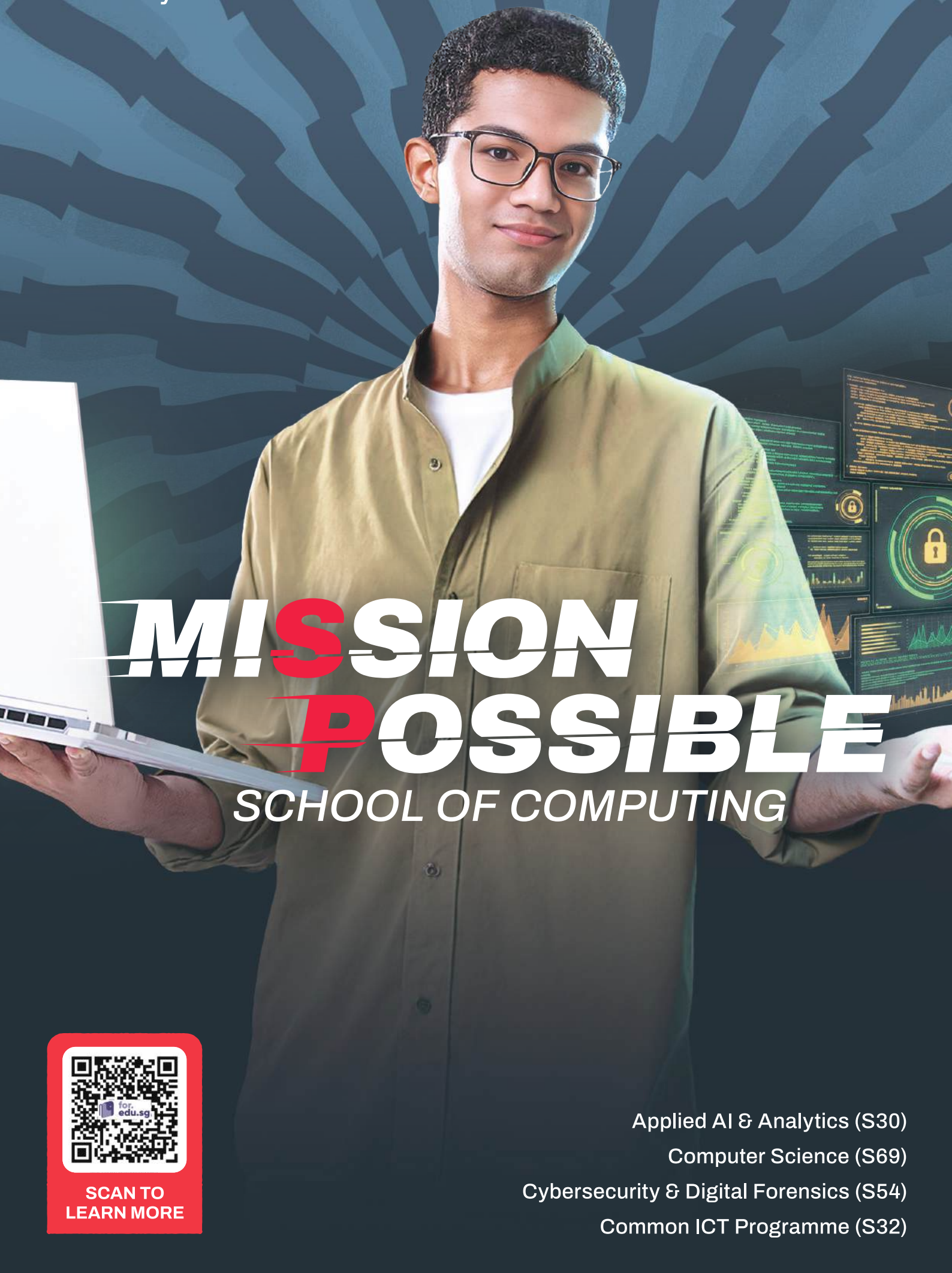
## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.

All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.



# **MISSION POSSIBLE**

**SCHOOL OF COMPUTING**



SCAN TO  
LEARN MORE

Applied AI & Analytics (S30)

Computer Science (S69)

Cybersecurity & Digital Forensics (S54)

Common ICT Programme (S32)





# CONTENTS

|    |                                         |    |
|----|-----------------------------------------|----|
| 01 | Applied AI & Analytics (S30)            | 3  |
| 02 | Computer Science (S69)                  | 5  |
| 03 | Cybersecurity & Digital Forensics (S54) | 7  |
| 04 | Common ICT Programme (S32)              | 9  |
| 05 | Why SP?                                 | 11 |





## Developing the Future of Technology

The demand for AI skills is rapidly increasing, and the need for skilled professionals is on a consistently positive trend. This sustained demand can be attributed to the widespread integration of AI across various sectors and everyday activities. Notably, the advent of Generative AI, such as ChatGPT, stands out as a pivotal contributor to the significant surge in productivity and innovation.

If you are passionate about developing impactful AI applications to benefit our world, join the Diploma in Applied AI & Analytics (DAAA) course and be part of the revolution!

### SCHOLARSHIPS

- Centre for Strategic Infocomm Technologies (CSIT) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship
- Singapore Polytechnic Scholarship

### CAREER OPTIONS

Ready to shape the world with new technologies? Look forward to an exciting career as:

- AI/Machine Learning Engineer
- Data Analyst
- Data Engineer
- Data Scientist

### FURTHER STUDIES

Quench your thirst for knowledge at local or international universities! Our graduates may receive module exemptions or advanced standings with relevant courses offered locally at NUS, NTU, SIT, SUSS, SUTD and SMU.

### WHAT YOU CAN EXPECT

#### + INDUSTRY NOW CURRICULUM (INC)

Learn through industry projects from Year 2 and build your portfolio with SoC's Industry Now Curriculum (INC).

#### + PROFESSIONAL CERTIFICATIONS

Enhance your industry recognition by taking up professional certifications in Machine Learning, Deep Learning, Dashboard Development and AI Ethics and Governance.

#### + NEVER BE BORED

Take on new challenges and projects that are closely related to solving real-world problems.

#### + AI and ANALYTICAL COLAB

Experience our specially designed AI computer labs equipped with high-performing computers and AI Deep Learning servers capable of handling complex machine learning tasks.

#### + UNIVERSITY ACCELERATED PATHWAY PROGRAMME (UAPP)

Fast-track your university studies through the SP-NUS, SP-SMU or SP-SUTD University Accelerated Pathway Programmes.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 8

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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 |
| <ul style="list-style-type: none"> <li>• Additional Combined Science</li> <li>• Additional Science</li> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Computing / Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Exercise &amp; Sports Science</li> <li>• Food &amp; Nutrition / Nutrition &amp; Food Science</li> <li>• Electronics / Fund. of Electronics</li> <li>• General Science</li> <li>• Human &amp; Social Biology</li> <li>• Integrated Science</li> <li>• Physics / Engineering Science</li> <li>• Science (Chem, Bio)</li> <li>• Science (Phys, Bio)</li> <li>• Science (Phys, Chem) / Physical Science</li> <li>• Science (Phys, Chem, Bio)</li> </ul> |       |



During my internship at CSIT, I worked on two projects aimed at increasing operational efficiency and reducing manual support. The first involved leveraging industry-standard software development and DevOps tools to replace a legacy system with a new tech stack. Thereafter, I focused on data analytics tools to build a dashboard application for backend operation analysis. Although working with new tools was challenging, my course curriculum and mentor's guidance laid a solid foundation for me to become proficient in using them. This practical experience enhanced my adaptability, collaboration skills, and deepened my understanding of real-world defence sector needs, making it a valuable learning experience.

#### Rachel Tan

DSTA Scholarship Recipient  
Internship at Centre for Strategic Infocomm Technologies (CSIT)

## WHAT YOU'LL STUDY

# Diploma in Applied AI & Analytics

## FIRST YEAR

- AI & Machine Learning
- Back-End Web Development
- Common Core Modules
- Computer Organisation
- Elective 1
- Front-End Web Development
- Mathematics
- Programming for Data Analytics
- Programming Methodology

## SECOND YEAR

- Agile MLOps
- Common Core Modules
- Data Engineering
- Data Structures & Algorithms (AI)
- Data Visualisation
- Deep Learning
- Elective 2
- Elective 3
- Generative AI with Large Language Models
- Quantitative Foundation of AI
- **Course Elective (Choose One):**
  - Big Data Technologies
  - Graph Analytics for Data Science

### + Industry Project Learning Approach

In Year 2 Semester 2, students can opt into an Industry Now Curriculum (INC). In lieu of attending modules classes, students work in IT job roles such as AI App Developer, on curated real client industry projects to gain credits and gain exposure to the latest technologies. Students get to work with industry partners, and master relevant industry skills and competencies through this Industry Project Learning Approach.

## THIRD YEAR

In Year 3, students can choose to continue their training in one of the following pathways:

### + Year-Long Internship Pathway

- Internship Programme

### + University Accelerated Pathway Programme

- Applied AI & Analytics Project
- Computing Elective 1
- Computing Elective 2
- Computing Elective 3

### + Industry Project Pathway

- Applied AI & Analytics Project
- Internship Programme

Note: **For University Pathway**, students to complete three Computing Electives administered by the university.

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Computer Science

(Previously Diploma in Information Technology)



## Master the Language of the Future

Embark on the Diploma in Computer Science (DCS) course at the School of Computing and empower people to live meaningful lives enabled by technology.

Be at the forefront of digital transformations. From mobile and web applications, to the latest in computing, explore a wide range of skillsets that shapes the future of Singapore and the world!

### SCHOLARSHIPS

- Centre for Strategic Infocomm Technologies (CSIT) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship
- Singapore Polytechnic Scholarship

### CAREER OPTIONS

- DevOps Engineer
- Full-Stack Developer
- Software Engineer
- UI Designer

### FURTHER STUDIES

Quench your thirst for knowledge at local or international universities! Our graduates may receive module exemptions or advanced standings with relevant courses offered locally at NUS, NTU, SIT, SUTD and SMU. You can also gain direct entry into the second or third year of study in relevant undergraduate degree courses in countries including Australia and the United Kingdom.

### WHAT YOU CAN EXPECT

- + **Tailor your learning experience and choose from any one of three specialisations:**

#### - AI & Analytics

Addresses the growing demand for professionals skilled in AI and data analytics, preparing students to adapt to the evolving AI landscape.

#### - Software Development

Equips students with cloud computing and relevant cybersecurity considerations, as well as knowledge and skills in ethical hacking essentials to help them understand various dimensions of attacks and how to defend against them.

#### - User Experience Design

Design intuitive digital interfaces. Study user research, interface design, and usability testing to improve how people interact with technology.

Under these specialisations, you will hone industry-relevant skills and be well-equipped with the latest tools, technologies, and methodologies to thrive in the IT industry.

### + INDUSTRY NOW CURRICULUM (INC)

Learn through industry projects from Year 2 and build your portfolio with SoC's Industry Now Curriculum (INC).

### + PROFESSIONAL CERTIFICATIONS

Enhance your industry recognition by taking up professional certifications from companies such as AWS, IBM, Microsoft, Oracle and AISG.

### + IMMERSIVE LAB

Gain practical experience by working on real-world AR/VR projects with industry partners.

### + UNIVERSITY ACCELERATED PATHWAY PROGRAMME (UAPP)

Fast-track your university studies through the SP-NUS, SP-SMU or SP-SUTD University Accelerated Pathway Programmes.

DCS— S69

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 4 – 15

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 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 |
| <ul style="list-style-type: none"><li>• Additional Combined Science</li><li>• Additional Science</li><li>• Biology</li><li>• Biotechnology</li><li>• Chemistry</li><li>• Combined Science</li><li>• Computing / Computer Studies</li><li>• Creative 3D Animation</li><li>• Design &amp; Technology</li><li>• Exercise &amp; Sports Science</li><li>• Food &amp; Nutrition / Nutrition &amp; Food Science</li><li>• Electronics / Fund. of Electronics</li><li>• General Science</li><li>• Human &amp; Social Biology</li><li>• Integrated Science</li><li>• Physics / Engineering Science</li><li>• Science (Chem, Bio)</li><li>• Science (Phys, Bio)</li><li>• Science (Phys, Chem) / Physical Science</li><li>• Science (Phys, Chem, Bio)</li></ul> |       |



During the internship, I was given the opportunity to be a product manager where I had to execute tasks such as user research and product visioning. This role helped me gain a better understanding of how my code can solve real-world problems. I was also able to apply knowledge and skills learnt in school to my work.

**Azzahabie Sadali**

Internship at Economic Development Board

## WHAT YOU'LL STUDY

# Diploma in Computer Science

## FIRST YEAR

- Back-End Web Development
- Common Core Modules
- Computer Organisation
- Data Structures & Algorithms (AI)
- Design for User Interaction
- Elective 1
- Front-End Web Development
- Mathematics
- Programming Methodology

## SECOND YEAR

- Common Core Modules
  - Continuous Integration & Continuous Delivery
  - Database Systems
  - Elective 2
  - Elective 3
  - Secure Coding
  - Software Engineering Practice
  - Specialist Elective 1
  - Specialist Elective 2
- Students are allowed to choose to take Specialist Electives in the area of their particular interest. They can choose from the following specialisations:
- + AI & Analytics**
    - AI & Machine Learning
    - Programming for Data Analytics
  - + Cloud Computing & Cybersecurity**
    - Cloud Foundations & Security
    - Ethical Hacking Essentials
  - + User Experience (UX) Design**
    - Digital Visual Design
    - User Interface Design

### + Industry Project Learning Approach

In Year 2 Semester 1, students can opt into an Industry Now Curriculum (INC). In lieu of attending module classes, students work in IT job roles such as software developers at the software student agency on curated real client industry projects to gain credits and gain exposure to the latest technologies. Students get to work with industry partners, and master relevant industry skills and competencies through this Industry Project Learning Approach — Project INC.

## THIRD YEAR

In Year 3, students can choose to continue their training in one of the following pathways:

- + Year-Long Internship Pathway**
  - Internship Programme
- + University Accelerated Pathway Programme**
  - Computing Elective 1
  - Computing Elective 2
  - Computing Elective 3
  - Software Application Project
- + Industry Project Pathway**
  - Internship Programme
  - Software Application Project

Note: For **University Pathway**, students to complete three Computing Electives administered by the university.

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.

All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.



# Cybersecurity & Digital Forensics

DCDF — S54



## Cyber Defenders of Tomorrow

In today's digital age, the threat of cybercrime is more real than ever. As we increasingly rely on the Internet to store and manage vital information, it becomes crucial to protect it from cybercriminals. Join the Diploma in Cybersecurity & Digital Forensics (DCDF) course and be part of the elite force to keep the Cyber World safe!

DCDF offers a rewarding, industry-aligned curriculum that equips you with cybersecurity skills to counter offensive attacks, adopt defensive measures and implement investigative techniques. With the skills of the future in your armoury, you'll open up a world of opportunities in the digital realm.

### SCHOLARSHIPS

- Centre for Strategic Infocomm Technologies (CSIT) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship
- Singapore Polytechnic Scholarship
- Singtel SHINE Cadet Programme

### CAREER OPTIONS

- Associate Security Analyst
- Cyber Risk Analyst
- Forensic Investigator
- Security Operations Analyst
- Testing Analyst

### FURTHER STUDIES

You can pursue further studies at local or international universities, with the latter granting direct entry into the second or third year of related undergraduate programmes in countries such as Australia, the United Kingdom and the United States.

### WHAT YOU CAN EXPECT

- + **Choose from three specialisations that focus on different aspects of cybersecurity:**
  - Cyber Offensive and Operational Technology (COPT)
  - Cyber Defence Security (CDS)
  - Security Incident Management (SIM)
- + **INDUSTRY NOW CURRICULUM (INC)**  
Learn through industry projects from Year 2 and build your portfolio with SoC's Industry Now Curriculum (INC).
- + **INDUSTRY CERTIFIED CURRICULUM (IC2)**  
Be industry-ready with industry certifications for the cybersecurity industry.
- + **CYBER WARGAME CENTRE**  
Prepare for REAL cyberthreats through realistic scenarios recreated in this learning space.
- + **UNIVERSITY ACCELERATED PATHWAY PROGRAMME (UAPP)**  
Fast-track your university studies through the SP-NUS, SP-SMU or SP-SUTD University Accelerated Pathway Programmes.
- + **SP DCDF-DIS Work-Learn Programme**  
This Work-Learn Programme offers final year students in DCDF a unique opportunity to advance their career by completing their year-long internship and part of National Service through interning at Digital and Intelligence Service (DIS), and leading to a role of a Cyber Defence Specialist.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 11

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 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 |
| <ul style="list-style-type: none"><li>• Additional Combined Science</li><li>• Additional Science</li><li>• Biology</li><li>• Biotechnology</li><li>• Chemistry</li><li>• Combined Science</li><li>• Computing / Computer Studies</li><li>• Creative 3D Animation</li><li>• Design &amp; Technology</li><li>• Exercise &amp; Sports Science</li><li>• Food &amp; Nutrition / Nutrition &amp; Food Science</li><li>• Electronics / Fund. of Electronics</li><li>• General Science</li><li>• Human &amp; Social Biology</li><li>• Integrated Science</li><li>• Physics / Engineering Science</li><li>• Science (Chem, Bio)</li><li>• Science (Phys, Bio)</li><li>• Science (Phys, Chem) / Physical Science</li><li>• Science (Phys, Chem, Bio)</li></ul> |       |



Through the SP-Govtech Polytechnic Technology Programme, I interned at Govtech for a full year in lieu of academic studies. At Govtech, I was attached to the Government IT Security Incident Response department where we coordinated response and investigation of cybersecurity incidents. The internship has not only allowed me to grow in terms of technical expertise, but to also have a better understanding of what I aspire for in my future career.

#### Alwis Lim

Lee Kuan Yew Award Recipient  
DISM Gold Medallist  
IMDA Gold Medal Recipient  
Internship at GovTech Singapore

## WHAT YOU'LL STUDY

# Diploma in Cybersecurity & Digital Forensics

## FIRST YEAR

- Common Core Modules
- Computer Organisation
- Digital Forensics & Investigation
- Elective 1
- Ethical Hacking Essentials
- Front-End Web Development
- Infocomm Security & Network Fundamentals
- Linux Administration & Security
- Mathematics
- Programming Methodology

## SECOND YEAR

- Applied Cryptography
- Back-End Web Development
- Common Core Modules
- Data Protection for Cyber Security
- Elective 2
- Elective 3
- Malware Reverse Engineering
- Securing Microsoft Windows

• Students are allowed to choose to take Specialist Electives in the area of their particular interest. They can choose from the following specialisations:

### + Cyber Offensive & Operational

#### Technology (COPT)

- Industrial Control Systems Cyber Range Essentials
- Offensive Security

### + Cyber Defense Security (CDS)

- Cybersecurity Infrastructure Configuration
- Secure Coding

### + Security Incident Management (SIM)

- Advanced Digital Forensics
- Security Policy & Incident Management

### + Industry Project Learning Approach

In Year 2 Semester 2, students can opt into an Industry Now Curriculum (INC). In lieu of attending module classes, students work in cybersecurity job roles such as associate security analyst or security operations analyst at the cybersecurity student agency Project INC on curated real client industry projects or security operations centre to gain credits and gain exposure to the latest technologies. Students get to work with industry partners, and master relevant industry skills and competencies through the Industry Project Learning Approach — Project INC.

## THIRD YEAR

In Year 3, students can choose to continue their training in one of the following pathways:

### + Year-Long Internship Pathway

- Internship Programme

### + University Accelerated Pathway Programme

- Computing Elective 1
- Computing Elective 2
- Computing Elective 3
- InfoSec Project Development & Management

### + Industry Project Pathway

- InfoSec Project Development & Management
- Internship Programme

Note: For **University Pathway**, students to complete three Computing Electives administered by the university.

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.

All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.



## Unlock Your Future in IT

Are you passionate about Information Technology (IT) but undecided about which IT course to take? The Common Infocomm Technology Programme (DCITP) is designed to help you make an informed choice.

This semester-long programme is designed to give you a broad introduction to the Infocomm landscape, offering insights into various job roles, career pathways and employment opportunities. By the end of Year 1 Semester 1, you'll have gained useful insights from the various opportunities enabling you to make an informed choice among the three IT courses available for pursuit.

### WHAT'S NEXT

To be streamed to either DAAA, DCDF or DCS course after one semester in SP:

- **Diploma in Applied AI & Analytics** (DAAA — S30)
- **Diploma in Computer Science** (DCS — S69)
- **Diploma in Cybersecurity & Digital Forensics** (DCDF — S54)

### WHAT YOU CAN EXPECT

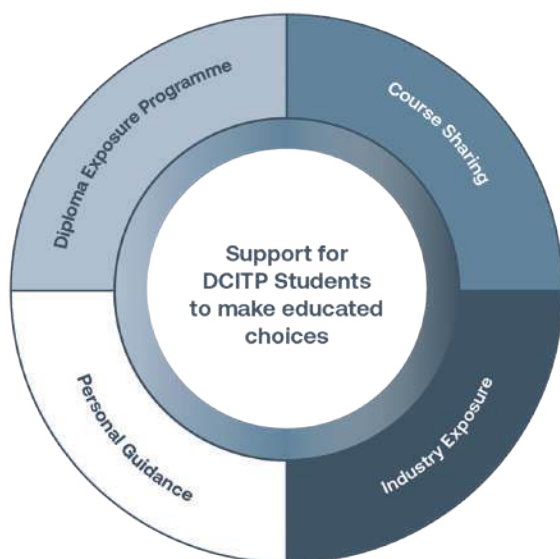
- Build a strong foundation in programming and computing fundamentals.
- Attend course sharings and participate in hands-on activities to find your best suited SoC course with the Diploma Exposure Programme.
- Engage with SP's industry partners through SoC's Industry Connect Seminar to help find the right course for you.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 17

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 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 |
| <ul style="list-style-type: none"> <li>• Additional Combined Science</li> <li>• Additional Science</li> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Combined Science</li> <li>• Computing / Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Exercise &amp; Sports Science</li> <li>• Food &amp; Nutrition / Nutrition &amp; Food Science</li> <li>• Electronics / Fund. of Electronics</li> <li>• General Science</li> <li>• Human &amp; Social Biology</li> <li>• Integrated Science</li> <li>• Physics / Engineering Science</li> <li>• Science (Chem, Bio)</li> <li>• Science (Phys, Bio)</li> <li>• Science (Phys, Chem) / Physical Science</li> <li>• Science (Phys, Chem, Bio)</li> </ul> |       |



After my O-Levels, I was uncertain about my IT-related career path. DCITP provided a structured approach, allowing me to explore various diplomas within the School of Computing in the first semester, giving me the clarity I needed. I gained essential computing knowledge, forged lasting friendships, and discerned the differences between the three computing diplomas. Fundamentals of Programming introduced me to JavaScript and sparked my interest in pursuing a career in Applied AI and Analytics. Overall, DCITP has truly shaped my IT aspirations.

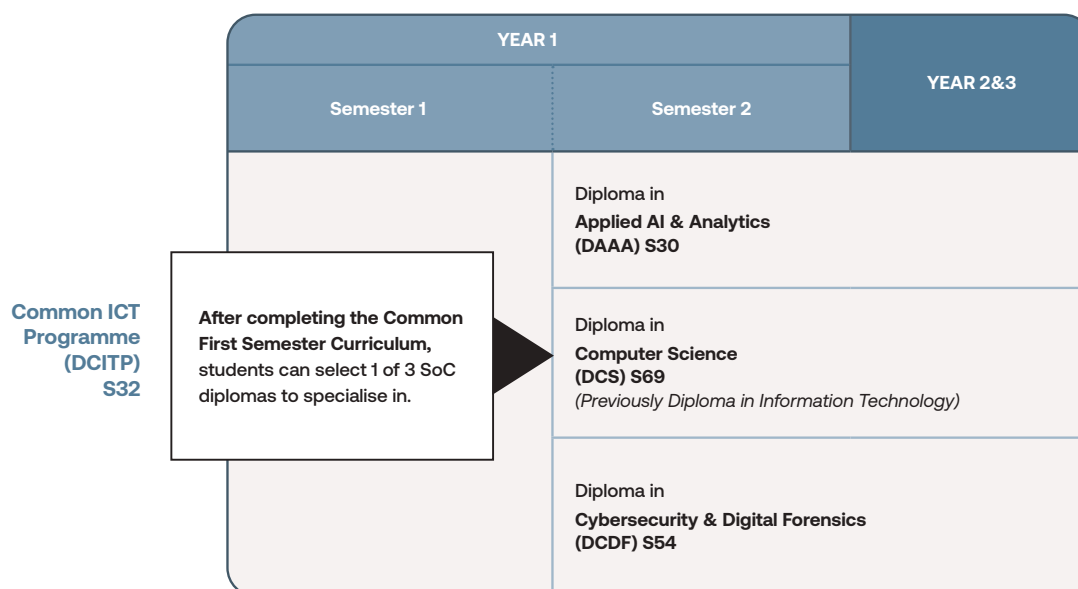
**Chan Yee Jie**

Common ICT Programme Alumnus

## WHAT YOU'LL STUDY

# Common ICT Programme

is a semester-long full-time programme.



The common first semester will lay the foundation for programming and computing for Diploma in Applied AI & Analytics (DAAA), Diploma in Cybersecurity & Digital Forensics (DCDF), and Diploma in Computer Science (DCS) courses. This program will allow you to have more time to explore your interests in the first semester and make an informed decision on preferred IT related course to pursue later. Through the Education & Career Guidance activities, you will then learn to develop your portfolios and gain insights into the respective job roles and industries in the IT sectors.

## FIRST YEAR — SEMESTER 1

- Common Core Modules
- Computer Organisation
- Front-End Web Development
- Mathematics
- Programming Methodology

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





# MISSION POSSIBLE

## SP ENGINEERING



LEARN MORE  
ABOUT THE  
SCHOOL OF  
ELECTRICAL &  
ELECTRONIC  
ENGINEERING



LEARN MORE  
ABOUT THE  
SCHOOL OF  
MECHANICAL &  
AERONAUTICAL  
ENGINEERING

Aeronautical Engineering (S88)  
Aerospace Electronics (S90)  
Computer Engineering (S53)  
Electrical & Electronic Engineering (S99)  
Engineering with Business (S42)  
Mechanical Engineering (S91)  
Mechatronics & Robotics (S73)  
Common Engineering Programme (S40)



# CONTENTS

|    |                                           |    |
|----|-------------------------------------------|----|
| 01 | Aeronautical Engineering (S88)            | 3  |
| 02 | Aerospace Electronics (S90)               | 5  |
| 03 | Computer Engineering (S53)                | 7  |
| 04 | Electrical & Electronic Engineering (S99) | 9  |
| 05 | Engineering with Business (S42)           | 11 |
| 06 | Mechanical Engineering (S91)              | 13 |
| 07 | Mechatronics & Robotics (S73)             | 15 |
| 08 | Common Engineering Programme (S40)        | 17 |
| 09 | Why SP?                                   | 19 |





## Take Your Passion to New Heights where Sky is Not the Limits

Discover a thrilling runway to your dreams with our Diploma in Aeronautical Engineering (DARE). Since its launch in 2002, SP has remained a trailblazer in aeronautical engineering education, making DARE one of Singapore's most comprehensive and versatile aerospace course.

Accredited by the Skills Framework for the Air Transport and Aerospace Sector, this program ensures that you graduate with the most up-to-date skills.

You'll have the opportunity to be trained by industry practitioners from ST Engineering Aerospace and/or Singapore Airlines Engineering Company.

Through a design thinking approach, you will foster problem-solving and creativity through hands-on learning.

For those aspiring to become an aircraft pilot or a CAAS-certified drone pilot, there are opportunities to take additional courses to pursue your passion.

Picture yourself in our awe-inspiring Aerohub, a SAR147 accredited training facility and training playground for aspiring aviation professionals. Step into this state-of-the-art facility that spans a jaw-dropping 4,660 square metres and discover four aircrafts, along with two full-motion simulators. Brace yourself for a hyper-realistic experience that is as close as it gets to a real-world industry setting.

To truly excel in your field, you'll need industry connections and real-world experience. That's why we've partnered with aerospace organisations such as:

- Singapore Technologies Engineering Aerospace
- The Republic of Singapore Air Force
- SIA Engineering Company
- JAMCO Aero Design & Engineering Pte Ltd

If you're ready to mount new heights, DARE is your gateway to an eye-opening adventure in the aerospace industry.

### WHAT YOU CAN EXPECT

- Pursue a Private Pilot License (PPL) at the Singapore Youth Flying Club (SYFC).
- Participate in local and overseas competitions such as the Singapore Amazing Flying Machine Competition (SAFMC).
- Explore different cultures during the overseas exchange programme.
- Enjoy advanced standing in local and international universities.
- The DARE curriculum prepares you for the CAAS Airworthiness Requirements (SAR 66) exams.
- Look forward to attractive career opportunities in the aerospace industry.
- Complement your domain modules with emerging digital skills.

### DARE ELECTIVE TRACKS

#### Furthering

Aero Design and Manufacturing  
Aerospace Emerging Technology

#### Broadening

Aviation Management

#### Deepening

Aircraft Maintenance and Composite Repair

### FURTHER STUDIES

You can gain an advanced standing of up to two years in Mechanical Engineering and other relevant degree courses at local and international universities, such as:

- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Singapore University of Technology & Design (SUTD)
- Singapore Institute of Technology (SIT) (University of Glasgow and Newcastle University)
- Singapore University of Social Sciences (SUSS)
- Imperial College London
- Embry-Riddle Aeronautical University, USA
- University of New South Wales (UNSW)
- Adelaide University

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 13

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants should not be suffering from severe vision deficiency (including colour vision), acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

### CAREER OPTIONS

- Aeronautical Engineering Technologist
- Assistant Aeronautical Design & System Engineer
- Assistant Aerospace Sales & Marketing Engineer
- Assistant Aerospace Systems Quality Assurance Engineer
- Assistant Engineering Service Engineer
- Assistant Mechanical Engineer
- Assistant Simulator Systems Engineer
- Assistant Technical Service Engineer
- Assistant Unmanned Vehicle System Design Engineer
- Flight Operations Officer
- Licensed Aircraft Maintenance Engineer
- Aircraft Maintenance Planning Executive



Looking back, my time in SP was nothing short of enriching. I was able to learn what I love together with and from the people who had the same passion as me. Through this, I was able to discuss the best practices in the theoretical work and practical we took part in. On top of this, I was able to develop into an engineer that was able collaboratively work with others through my internship and projects.

**Adrian Chan Siang Ji**  
PSC Scholarship Recipient

## WHAT YOU'LL STUDY

# Diploma in Aeronautical Engineering

## FIRST YEAR

- Basic Mathematics
- Common Core Modules
- Computer Programme
- Computer Aided Drafting
- Digital Electronics 1
- Engineering Materials 1
- Engineering Mathematics 1
- Introduction to Engineering
- Mechanics 1
- Principles of Electrical & Electronic Engineering 1
- Thermofluids 1

## SECOND YEAR

- Air Legislation
- Aircraft Electrical & Instrument Systems
- Aircraft Maintenance Practices
- Aircraft Structures
- Common Core Modules
- Computer-Aided Design (Aeronautical)
- Elective 1
- Elective 2
- Engineering Materials 2
- Engineering Mathematics 2
- Fundamentals of Flight
- Mechanics 2
- Statistics & Analytics for Engineers
- Thermofluids 2

## THIRD YEAR

- Avionics
- Aircraft Power Plants
- Aircraft Systems
- Common Core Module
- Elective 3
- Human Factors
- Mechanics 3
- Internship Programme/Internship Equivalent — FYP

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## Designing the Marvels of Aerospace

Come aboard the world of aerospace with the Diploma in Aerospace Electronics (DASE) and discover the cutting-edge technology powering modern aircrafts such as the Airbus A350, Boeing 777 and fighter jets.

At DASE, you'll develop skills in flight management, instrumentation, navigation and more, placing you at the forefront of advancements in the aerospace industry. With a comprehensive curriculum endorsed by the Civil Aviation Authority of Singapore (CAAS), you'll gain future-ready skills to align with industry advancements.

Dive into the exciting world of **Aerospace Engineering (Avionics)** and **Information & Communication Technology (ICT) in Emerging Technologies** through hands-on experiences and industry partnerships. Internship opportunities await at prestigious companies such as:

- Airbus
- Rolls-Royce
- SIA Engineering Company

Pursue your aviation dreams here! Obtain a **Private Pilot License (PPL)** at the Singapore Youth Flying Club (SYFC) and immerse yourself in the complexities of **Commercial Pilot Theory** to gain a competitive edge. If you're captivated by drones, add a CAAS **Unmanned Aircraft Pilot License (UAPL)** to your repertoire.

Our 4,660-square-metre Aerohub is a training playground for aviation enthusiasts. This state-of-the-art facility boasts four aircrafts and two full-motion simulators, providing a hyper-realistic experience that is as close as it gets to the real deal.

As the official training partner for ST Engineering Aerospace, we equip you with the most in-demand skills in the aerospace industry, opening the door to a multitude of exciting career prospects.

### WHAT YOU CAN EXPECT

- Gain expertise in specialised areas with a Certificate in Commercial Pilot Theory & Simulation or Aviation Management and Unmanned Aerial Vehicle (UAV) flying and drone technologies elective to enhance your career prospects.
- Acquire valuable industry experience through the 22-week overseas or local internship at reputable aerospace companies such as Airbus, Rolls-Royce, SIAEC, ST Engineering Aerospace, Thales, CAAS and Changi Airport Group.
- Join the SP-NUS University Accelerated Pathway Programme (UAPP)\* or SP-SUTD University Accelerated Pathway Programme to get a head start in university life.

\*Previously known as Accelerated Pathway Programme (APP)

### SCHOLARSHIPS

- A\*STAR Science Award
- DSTA Polytechnic Digital/Engineering Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
- SP Engineering Scholarship

### FURTHER STUDIES

You can **gain an advanced standing of up to two years** of exemption in Aerospace Engineering, Electrical & Electronic Engineering or Computer Engineering degree courses in local and overseas universities such as NUS, NTU, SUTD, SIT, SUSS, Embry-Riddle Aeronautical University (USA), Imperial College (UK) and University of Edinburgh (UK).

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 4 – 13  
Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants should not be suffering from severe vision deficiency (including colour vision), acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

### CAREER OPTIONS

- Air Force Engineer (Under SP-RSAF Work-based Training Collaboration)
- Licensed Aircraft Engineer
- Electrical Engineer
- Electronics Engineer
- Engineering Service Engineer
- Aerospace Sales and Marketing Engineer
- Technical Service Engineer
- Flight Operations Officer
- Licensed Aircraft Engineer



Since secondary school, I've been passionate about aircraft and electronics. SP's Aerospace Electronics diploma provided in-depth curriculum taught by industry-experienced lecturers using state-of-the-art facilities like the A320 simulator. I gained valuable knowledge and programming skills, applied during my DSTA internship. The flexible timetable allowed me to pursue hobbies and community service. SP built a strong foundation for my next chapter at University of Edinburgh!

#### Hansen Wee

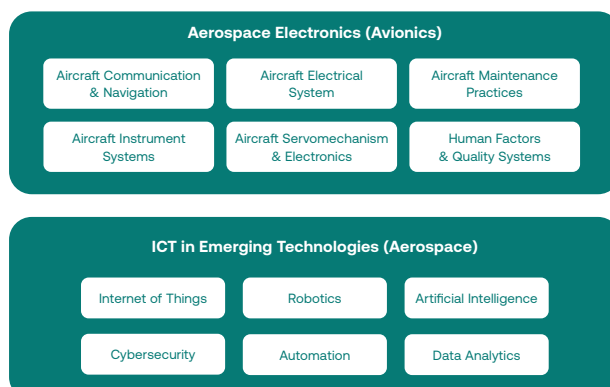
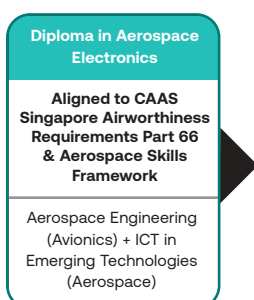
DASE alumnus

Public Service Commission (PSC)  
Engineering Scholar

SP Engineering Scholar

DSTA Polytechnic Engineering Scholar

Internship at Defence Science and Technology Agency (DSTA)



## WHAT YOU'LL STUDY

# Diploma in Aerospace Electronics

## FIRST YEAR

- Basic Mathematics
- Common Core Modules
- Computer-Aided Design & Drafting
- Digital Electronics 1
- Digital Electronics 2
- Engineering Mathematics I
- Introduction to Engineering & Design
- Introduction to Engineering Programming
- Network Fundamentals
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II

## SECOND YEAR

- Aeronautical Engineering Science
- Artificial Intelligence & Data Analytics in Aerospace
- Aircraft Servomechanisms & Electronics
- Circuit Theory & Analysis
- Common Core Modules
- Elective 1
- Elective 2
- Engineering Mathematics II
- Human Factors & Quality Systems
- Internet of Things & Cybersecurity for Aerospace
- Robotics & Automation in Aerospace
- Statistics & Analytics for Engineers

## THIRD YEAR

- Aircraft Communication & Navigation Systems
- Aircraft Electrical Systems
- Aircraft Instrument Systems
- Aircraft Maintenance Practices
- Elective 3
- Elective 4 (Option)
- Elective 5 (Option)
- 22-Week Internship Programme/ Internship Equivalent

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Creating Intelligent Systems for Modern Cities

Enter the thrilling world of computers, where intelligent systems shape our future. In a rapidly changing world, the Diploma in Computer Engineering (DCPE) offers a comprehensive and flexible curriculum so that you can keep your career and study options wide open.

As we propel towards a future where autonomous vehicles, drones, and intelligent city management systems play a vital role, it's crucial to stay ahead in areas like Artificial Intelligence of Things (AIoT), data analytics, 5G, networking, and cybersecurity. DCPE allows you to harness these cutting-edge capabilities, empowering you to shape the future and create innovative solutions for a "Smart Nation" like Singapore.

### SCHOLARSHIPS

- A\*STAR Science Award
- CSIT Diploma Scholarship
- DSTA Polytechnic Digital/Engineering Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
- SP Engineering Scholarship

### CAREER OPTIONS

- Cloud Engineer
- Cyber Security Engineer
- DevOps Engineer
- IoT/Embedded Engineer
- Mobile Applications Developer
- Network Security Engineer
- Software Engineer
- Systems Engineer

### WHAT YOU CAN EXPECT

- Immerse in a **comprehensive curriculum** and master future-forward skills in Embedded Systems, Software, 5G Technology, Artificial Intelligence, Internet of Things, Cloud Computing, Networking and Cyber Security.
- Pursue your passion through electives that can lead to a **certificate or minor**.
- Gain exposure through a 6-week Overseas Immersion Programme to Japan.
- Join the **SP-NUS** University Accelerated Pathway Programme (UAPP)\* or **SP-SUTD** University Accelerated Pathway Programme to get a head start in university life.

*\*Previously known as Accelerated Pathway Programme (APP)*

### FURTHER STUDIES

There are more than 14 degree programmes from local universities in Computer Science/Engineering, Information Systems, Data Science, Artificial Intelligence, and Electrical & Electronic Engineering that you can apply for. You will also be eligible for advanced placements in computer-related degree programmes of universities in Australia, New Zealand and United Kingdom.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 7 – 20  
Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*



I chose the Diploma in Computer Engineering (DCPE) at SP for its strong reputation and comprehensive curriculum in cybersecurity, cloud computing, and AI.

My internship with the Centre for Strategic Infocomm Technologies (CSIT) allowed me to gain hands-on experience in cloud engineering, strengthening my desire to contribute to Singapore's defence. With guidance from mentors, I built confidence in pursuing a career in public service.

Overall, SP has significantly shaped my technical skills and character. SP provided numerous opportunities for leadership and personal growth, from guiding freshmen to emceeing events and representing Singapore at the International Standards Olympiad. They helped me develop teamwork, empathy, and resilience.

### Justin Hor

DCPE Gold Medallist

Lee Kuan Yew Award Recipient

Cisco Systems Gold Medallist

OCBC Prize Recipient

CSIT Diploma Scholar

### 1ST YEAR (Common)

| Diploma in Computer Engineering                  |                                   |                        |
|--------------------------------------------------|-----------------------------------|------------------------|
| Electrical & Electronic Engineering Fundamentals | Computer Programming & Networking | Mathematics Foundation |

### 2ND YEAR

| Choose one path                                                                                                                                  |                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>Computer Engineering &amp; Software (CES)</b>                                                                                                 | <b>Computer Networking &amp; Security (CNS)</b>           |
| Core Modules: Engineering Mathematics, Statistics & Analytics, Cloud Foundations, ML & AI with Python, Communication Skills, 2 Electives Modules |                                                           |
| Computer Hardware Design, Interfacing & Software Programming (5 Modules)                                                                         | Computer Networking & Network Vulnerabilities (5 Modules) |

### 3RD YEAR

| Choose one specialisation under the path                                                           |                           |               |                |                           |               |
|----------------------------------------------------------------------------------------------------|---------------------------|---------------|----------------|---------------------------|---------------|
| Core Modules: Communication Skills, 22-Week Internship "1 Elective Module" or "3 Elective Modules" |                           |               |                |                           |               |
| Computer Science                                                                                   | IoT & Intelligent Systems | Cloud Systems | Cyber Security | IoT & Intelligent Systems | Cloud Systems |

## WHAT YOU'LL STUDY

# Diploma in Computer Engineering

## FIRST YEAR

- |                                                                                                                                                                                                                  |                                                                                                                                                                                                                              |                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Basic Mathematics</li><li>• Common Core Modules</li><li>• Computer-Aided Design &amp; Drafting</li><li>• Digital Electronics 1</li><li>• Digital Electronics 2</li></ul> | <ul style="list-style-type: none"><li>• Engineering Mathematics I</li><li>• Education &amp; Career Guidance 1</li><li>• Introduction to Engineering &amp; Design</li><li>• Introduction to Engineering Programming</li></ul> | <ul style="list-style-type: none"><li>• Network Fundamentals</li><li>• Principles of Electrical &amp; Electronic Engineering I</li><li>• Principles of Electrical &amp; Electronic Engineering II</li></ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                     |                                                                                   |                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Cloud Foundations</li><li>• ML &amp; AI with Python</li><li>• Common Core Modules</li></ul> | <ul style="list-style-type: none"><li>• Elective 1</li><li>• Elective 2</li></ul> | <ul style="list-style-type: none"><li>• Engineering Mathematics II</li><li>• Statistics &amp; Analytics for Engineers</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

In Year 2, students are allowed to specialise in the area of their particular interest. They can choose from the following paths:

### + Computer Engineering & Software (CES) Path

- |                                                                                                    |                                                                                                                          |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• DevOps for AIoT</li><li>• Full Stack Development</li></ul> | <ul style="list-style-type: none"><li>• Microcontroller Applications</li><li>• Mobile Applications Development</li></ul> |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

### + Computer Networking & Security (CNS) Path

- |                                                                                                              |                                                                                               |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Computer Networking</li><li>• LAN Switching &amp; Wireless</li></ul> | <ul style="list-style-type: none"><li>• Network Hacking</li><li>• Server Management</li></ul> |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                            |                                                                                                     |                                                                                                                                                      |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Common Core Modules</li><li>• Elective 3</li></ul> | <ul style="list-style-type: none"><li>• Elective 4 (Option)</li><li>• Elective 5 (Option)</li></ul> | <ul style="list-style-type: none"><li>• Year-3 Specialisation Modules 1 to 4</li><li>• 22-Week Internship Programme/ Internship Equivalent</li></ul> |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

In Year 3, students can choose one specialisation from the following, based on their Year 2 technical path:

### + Computer Science (For CES Path Only)

- |                                                                                                                    |                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Computer Architecture</li><li>• Data Structures &amp; Algorithms</li></ul> | <ul style="list-style-type: none"><li>• Deep Learning &amp; Neural Networks</li><li>• Quantum Computing</li></ul> |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

### + IoT & Intelligent Systems (For CES and CNS Paths)

- |                                                                                                      |                                                                                                                   |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Edge Computing</li><li>• Embedded Computer Systems</li></ul> | <ul style="list-style-type: none"><li>• Smart Systems Architecture</li><li>• 5G &amp; AIoT Applications</li></ul> |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

### + Cloud Systems (For CES and CNS Paths)

- |                                                                                                                     |                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Cloud Architecting</li><li>• Cloud Native Application Development</li></ul> | <ul style="list-style-type: none"><li>• DevOps for Networking</li><li>• Operating Systems</li></ul> |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|

### + Cyber Security (For CNS Path Only)

- |                                                                                                            |                                                                                                                    |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• AI for Cybersecurity</li><li>• Cyber Security Operations</li></ul> | <ul style="list-style-type: none"><li>• Firewall Technologies</li><li>• Network Analysis &amp; Forensics</li></ul> |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



# Electrical & Electronic Engineering

DEEE — S99



## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 15

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

Applicants who have colour vision deficiency, and wish to pursue a career in electrical power engineering or as a Licensed Electrical Worker (LEW), may encounter difficulties meeting the course requirements and expectations. This condition is required by the Energy Market Authority (EMA) of Singapore. In addition, applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.



As a DSO Diploma Scholar, I interned for four and a half months at DSO National Laboratories. I was assigned to work on wireless communication projects although I had no background in that field. With the guidance of my supervisor, I was able to learn the necessary concepts quickly and successfully delivered two new capabilities to my DSO team. I enjoyed the research work there because it was full of challenges and surprises, and every day was different. I also appreciated the friendly and collaborative working environment at DSO, where each individual's contributions are valued. This internship was an eye-opener to the world of defence research, and the experience has affirmed my desire to pursue a career in defence technology.

### Lee Jing Yang Gabriel

DEEE Gold Medallist

Lee Kuan Yew Award Recipient

DSTA Scholar for BEng (EEE) at the

University of Edinburgh

SP Excellence Award Recipient

Internship at DSO National Laboratories

## The Power to Fuel the Future

Dive into a diverse range of engineering subjects with the Diploma in Electrical & Electronic Engineering (DEEE) and develop versatile, industry-ready skillsets. With a prestigious history of over 65 years and more than 20,000 successful graduates, we have a proven track record of producing successful engineers that are highly sought-after in the field.

### WHAT YOU CAN EXPECT

- Choose one of **seven specialisations** in:
  - Biomedical
  - IoT & Communication
  - Microelectronics
  - Power
  - Rapid Transit Technology
  - Robotics Intelligence
  - Sustainable Energy
- Join the **SP-NUS University Accelerated Pathway Programme (UAPP)\*** or **SP-SUTD University Accelerated Pathway Programme** to get a head start in university life.
 

\*Previously known as Accelerated Pathway Programme (APP)
- Pursue your passion through electives that can lead to a Minor or Certificate, such as Minor in 5G & Artificial Intelligence of Things (AIoT), and Certificate in IoT.
- Experience an augmented learning environment in rail engineering with our latest integrated Rail System Simulator, a first among the polytechnics.
- Gain exposure through Overseas Immersion Programmes in various countries, such as Japan, Malaysia, and China.
- Immerse in a 22-week internship with opportunities at reputable companies such as SP Group, SMRT, A\*STAR, GlobalFoundries, Siemens, ST Electronics and CleanTech Solar.

### SCHOLARSHIPS

- A\*STAR Science Award
- DSTA Polytechnic Digital/Engineering Scholarship
- Energy Industry Scholarship
- Home Team Diploma Sponsorship
- iBuildSG Diploma Scholarship
- Micron Scholarship
- PUB Engineering Scholarship
- SAF Polytechnic Sponsorship
- SG-Rail Scholarship
- SP Engineering Scholarship

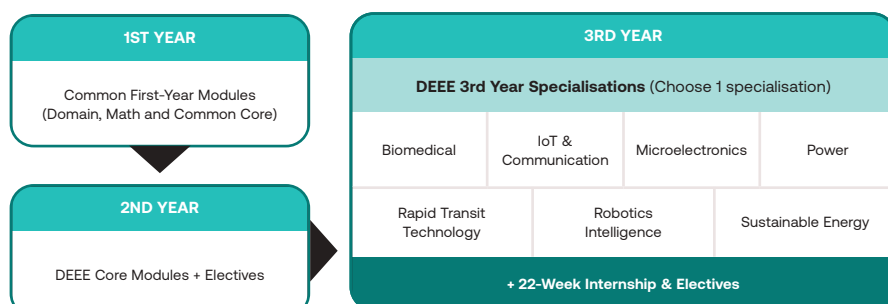
### CAREER OPTIONS

- Assistant Electrical/Electronics Engineer
- Assistant Quality/Process/Project/Test Engineer
- Assistant Facilities Management Engineer
- Assistant Field Service Engineer
- Assistant Instrumentation Engineer
- Assistant Maintenance Engineer
- Biomedical Equipment Service Engineer
- Solar (PV) Technologist

### FURTHER STUDIES

- At NTU, you may get **up to one year of exemption** for engineering-related courses.
- At NUS, you may receive **advanced placement credits (APCs)** in relevant modules for up to 38 units (equivalent to a year's worth of study).
- You can gain an **advanced standing of up to two years** in overseas universities, such as University of New South Wales (Australia), Imperial College London (UK), and University of Auckland (New Zealand).

### Diploma in Electrical & Electronic Engineering



## WHAT YOU'LL STUDY

# Diploma in Electrical & Electronic Engineering

## FIRST YEAR

- Basic Mathematics
- Common Core Modules
- Computer-Aided Design & Drafting
- Digital Electronics 1
- Digital Electronics 2
- Engineering Mathematics I
- Introduction to Engineering & Design
- Introduction to Engineering Programming
- Network Fundamentals
- Principles of Electrical & Electronic Engineering I
- Principles of Electrical & Electronic Engineering II

## SECOND YEAR

- Common Core Modules
- Circuit Theory & Analysis
- Digital System Design
- Elective 1
- Elective 2
- Electrical Installation Design
- Engineering Mathematics II
- Microcontroller Applications
- Physics for Engineers
- PLC Applications
- Statistics & Analytics for Engineers
- Wafer Fabrication Fundamentals

## THIRD YEAR

- Common Core Modules
- Elective 3
- Elective 4 (Option)
- Elective 5 (Option)
- Year-3 Specialisation Modules 1 to 4
- 22-Week Internship Programme/Internship Equivalent

In Year 3, students have the opportunity to specialise in the area of their particular interest. They can choose from the following specialisations:

### + Biomedical

- Anatomy & Physiology
- AI and Data Analytics in Healthcare
- Biomedical Equipment & Practices
- Biomedical Instrumentation Design & Applications

### + Rapid Transit Technology

- Principles of Communication
- Rapid Transit Signalling System
- Rapid Transit System
- Smart Sensors & Actuators

### + Power

- Power Electronics & Drives
- Power System Analysis
- Power Transmission & Distribution
- Smart Grid & Energy Storage

### + Microelectronics

- Advanced Wafer Fabrication Technology
- IC Design
- IC Testing
- Quality & Reliability

### + IoT & Communication

- Industrial Internet of Things
- Principles of Communication
- Wireless Technology Applications
- 5G & AIoT Applications

### + Robotics Intelligence

- Artificial Intelligence in Robotics
- Dynamics & Control
- Robotics Technology
- Smart Sensors & Actuators

### + Sustainable Energy

- Electric Vehicle Technology
- Hydrogen, Fuel Cell Technology & Energy Storage

- Photovoltaic System Design
- Smart Grid & Building Energy Management

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Synergising Engineering Innovations with Business Solutions

Are you looking to fuel your passion for engineering and technology while honing your business acumen? The Diploma in Engineering with Business (DEB) is your ticket to the best of both worlds, by combining engineering principles with essential business knowledge.

Acquire skills in engineering design, programming and electrical and electronic engineering while mastering the art of marketing cutting-edge technological solutions. You'll also learn about artificial intelligence, develop mobile applications and be fluent in data to be well-equipped to navigate the digital revolution. Explore further in the areas that ignite your curiosity through a selection of electives and earn certificates or minors along the way.

### FURTHER STUDIES

You have the flexibility to further your studies in engineering, business or similar interdisciplinary programmes in both local and overseas universities. You can earn advanced standing of up to two years when you take up engineering or business degree programmes.

At NTU, you may get up to one year of exemption for engineering-related courses.

At NUS, you may receive advanced placement credits (APCs) in relevant modules for up to a maximum of 38 modular credits (equivalent to a year's worth of study).

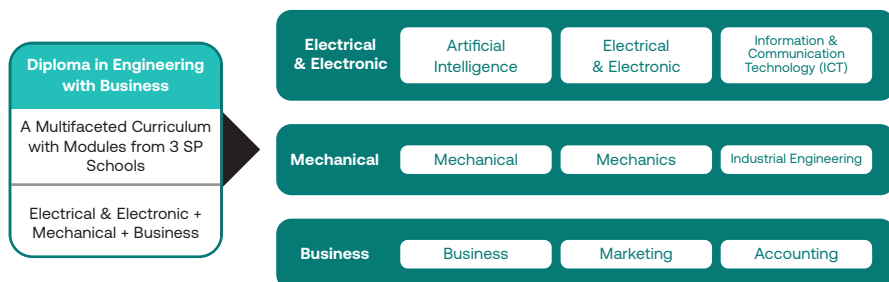
### CAREER OPTIONS

- Product Design/Development Engineer
- Project Engineer
- Business Development Executive
- Customer Relationship Management Executive
- Technopreneur
- Procurement Executive
- Sales and Marketing Executive

### WHAT YOU CAN EXPECT

- Gain multi-faceted perspectives with **modules from three SP schools**: Electrical & Electronic Engineering, Mechanical and Aeronautical Engineering, and Business.
- Immerse in diverse cultures through enriching and exciting **overseas technopreneurship immersion programmes** in Japan or China.
- Gain exposure through an exciting two-week overseas exchange programme Learning Express, where you will use your skills and knowledge to improve lives in the real world.
- Delve into your interests through electives that can lead to a **certificate or minor**:
  - + Digitalisation (e.g. Minor in 5G & AIoT, Minor in Data & Artificial Intelligence)
  - + Sustainability (e.g. Minor in Green Energy)
  - + Innovation & Entrepreneurship (e.g. Minor in Entrepreneurship)
  - + Internationalisation
- Immerse in a 22-week internship with opportunities at reputable companies such as OCBC, Mapletree, ST Electronics, Panasonic, SSMC and A\*STAR.
- Join the **SP-NUS University Accelerated Pathway Programme (UAPP)\*** or **SP-SUTD University Accelerated Pathway Programme** to get a head start in university life.

\*Previously known as Accelerated Pathway Programme (APP)



### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6 – 12  
Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

### SCHOLARSHIPS

- A\*STAR Science Award
- DSTA Polytechnic Digital/Engineering Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
- SP Engineering Scholarship



During my time in SP's DEB programme, I developed Stick 'Em from Year 1, creating prototypes while gaining access to mentors and exploring both engineering and startups. The multidisciplinary foundation allowed me to transform my childhood passion for tinkering with air cannons and flamethrowers into a meaningful venture.

As founder and CEO of Stick 'Em, I've made STEAM education more accessible through innovative chopstick robots, reaching over 12,000 students and 1,200 teachers across 95 schools in 11 countries since launching in 2020. My latest achievements include being recognised as one of the youngest nominees on Forbes 30 Under 30 Asia 2025 and global winner of the US\$1 million Hult Prize 2025.

### Chong Ing Kai

DEB Alumnus  
Founder & CEO of Stick 'Em  
Forbes 30 Under 30 Asia 2025  
Hult Prize 2025 Global Winner  
Philip Yeo Initiative Fellow  
Tatler Gen T Leader of Tomorrow

## WHAT YOU'LL STUDY

# Diploma in Engineering with Business

## FIRST YEAR

- Basic Mathematics
- Common Core Modules
- Computer-Aided Design & Drafting
- Digital Electronics 1
- Engineering Materials
- Fundamentals of Economics
- Introduction to Engineering & Design
- Introduction to Engineering Programming
- Principles of Marketing
- Principles of Electrical & Electronic Engineering I
- Thermofluids I

## SECOND YEAR

- Common Core Modules
- Consumer Psychology
- Elective 1
- Elective 2
- Engineering Mathematics II
- Introduction to Digital Marketing
- Mobile Applications Development
- Microcontroller Applications
- Principles of Electrical & Electronic Engineering II
- Technology to Business
- Mechanics I
- Statistics & Analytics for Engineers

## THIRD YEAR

- Accounting
- Artificial Intelligence in Engineering Business Analytics
- Circuit Theory & Analysis
- Common Core Modules
- Elective 3
- Elective 4 (Option)
- Elective 5 (Option)
- Industrial Engineering
- 22-Week Internship Programme /Internship Equivalent

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## Empower your future with the most broad-based Engineering Course that remains Evergreen, always relevant, and consistently in demand across ALL sectors

Gear up for an exhilarating journey with the Diploma in Mechanical Engineering (DME) at SP! Since its inception in 1958, the DME has been the go-to choice for aspiring engineers like you.

Elevate your journey in Mechanical Engineering with our curriculum, seamlessly integrating AI advancements and sustainability principles. Beyond mastering the fundamentals, our program aligns with global trends, providing a robust foundation in mechanical engineering complemented by essential interdisciplinary skills in Business and Humanities.

We champion a hands-on learning approach, immersing you in industry-focused opportunities that not only enhance your knowledge and competencies but also instill a strong sense of responsibility towards sustainability. Experience the transformative power of advancement of technology in shaping a better future through our partnerships with renowned organisations such as:

- A\*STAR
- Dassault Systèmes
- Panasonic
- SBS Transit
- Siemens
- Sivantos
- SMRT

These industry partners provide opportunities for our students to build a network of connections while working on ground-breaking projects — opening doors to unparalleled career opportunities!

### FURTHER STUDIES

You can receive advanced standing of up to two years in degree programs related to Mechanical, Mechatronics, Robotics Systems, Electrical & Electronics, Computer Science, or Computer Engineering at both local and international universities.

These universities include, but are not limited to:

- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Singapore University of Technology & Design (SUTD)
- Singapore Institute of Technology (SIT) (University of Glasgow and Newcastle University)
- Singapore University of Social Sciences (SUSS)
- Royal Melbourne Institute of Technology University

### WHAT YOU CAN EXPECT

- Gain practical industry experience that will prepare you to be future-ready.
- Be exposed to the latest advanced manufacturing technologies at our high-tech learning space.
- Check out the multiple pathways to established local and overseas universities.
- Choose from diverse career options available in emerging fields such as advanced manufacturing, automation, biomedical, composites, energy, materials, product design, robotics and more.
- **Choose 1 of 6 specialisations\* in:**
  - Automation & Robotics
  - Biomedical
  - Energy & Facilities Management
  - Engineering Design & Simulation
  - Precision Engineering
  - Rapid Transit Technology

*\*Please note that the number and scope of specialisations are subject to change, as the course is presently undergoing a review.*

### CAREER OPTIONS

- Assistant Automation Engineer
- Assistant Engineering Services Engineer
- Assistant Facility Engineer
- Assistant HVAC (Heating, Ventilation & Air-Conditioning) Engineer
- Assistant Machine & Product Design Engineer
- Assistant Mechanical Engineer
- Assistant Medical Device/Equipment Application Engineer
- Assistant Medical Device Design Engineer
- Assistant Project Engineer
- Assistant Quality Control/Assurance Engineer
- Assistant Engineer (Rolling Stock)
- Assistant Engineer (Track Infrastructure)
- Assistant R&D (Research & Development) Engineer
- Assistant Tooling Engineer
- Bioengineering Technologist
- Medical Equipment Technologist
- Regulatory Affairs Specialist

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 15

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

*Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*



I interned at IMRE (Institute of Materials Research and Engineering), A\*STAR, where I worked on defect detection in additive manufacturing using acoustic signals and machine learning! It was such an exciting opportunity that pushed me to learn new software and research skills beyond the classroom. The knowledge I gained from DME, especially in Engineering Materials and Design, gave me the confidence to contribute meaningfully to the project. I even became the first author of a published research paper—an achievement I never imagined possible as a student!

**Abdullah Bin Zainal**

DME Gold Medallist  
Low Guan Onn Gold Medallist  
Internship at IMRE/A\*STAR

## WHAT YOU'LL STUDY

# Diploma in Mechanical Engineering

## FIRST YEAR

- |                                                                                                                                                                         |                                                                                                                                                                                          |                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Basic Mathematics</li> <li>• Computer Aided Drafting</li> <li>• Common Core Modules</li> <li>• Computer Programming</li> </ul> | <ul style="list-style-type: none"> <li>• Digital Electronics 1</li> <li>• Engineering Materials 1</li> <li>• Engineering Mathematics 1</li> <li>• Introduction to Engineering</li> </ul> | <ul style="list-style-type: none"> <li>• Mechanics 1</li> <li>• Principles of Electrical &amp; Electronic Engineering 1</li> <li>• Thermofluids 1</li> </ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- Computer-Aided Machining
- Common Core Modules
- Design & Build
- Engineering Materials 2
- Engineering Mathematics 2
- Elective 1
- Elective 2
- Industrial Automation
- Mechanics 2
- Statistics & Analytics for Engineers
- Thermofluids 2
- Workplace Safety & Health Management

**Starting in Year 2, students will specialise in 1 of the 6 listed specialisations.**  
*Specialisations and specialisation modules are subject to change due to ongoing course review.*

### + Specialisation Modules (Choose One)

#### + Automation & Robotics

- Smart Solution Development

#### + Biomedical

- Biomedical Equipment & Practices

#### + Energy & Facilities Management

- Building Information Modelling for MEP Services

#### + Engineering Design & Simulation

- Manufacturing Processes with Design for Manufacturing

#### + Precision Engineering

- Digital Fabrication & Metrology

#### + Rapid Transit Technology

- Railway Systems

## THIRD YEAR

- Elective 3
- Engineering Thermodynamics
- Fluid Mechanics
- Internship Programme/Internship Equivalent — FYP
- Mechanics 3

### + Specialisation Modules (Choose One)

*Specialisations and specialisation modules are subject to change due to ongoing course review.*

#### + Automation & Robotics

- Programmable Logic Controllers
- Robotics for Advanced Manufacturing

#### + Biomedical

- Assistive Technology & Rehabilitation Engineering
- Robotics for Advanced Manufacturing

#### + Energy & Facilities Management

- Refrigeration & Air-conditioning
- Renewable Energy & Applications

#### + Engineering Design & Simulation

- Mechanical Assembly Design in CAD
- Engineering Simulations

#### + Precision Engineering

- Multi-Axis Machining Applications
- Tooling Engineering

#### + Rapid Transit Technology

- Rolling Stock Design & Maintenance
- Railway Infrastructures Design & Maintenance

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

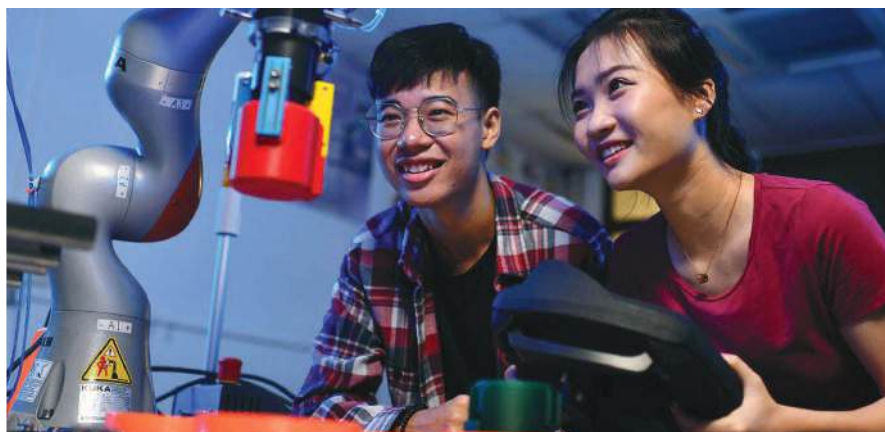
## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Blending Mechanical, Electronics and Programming, Robotising the Future

Dive into the realm of cutting-edge intelligent systems that can move, interact, and even think independently.

At DMRO, we believe in inspiring minds, igniting passion, and innovating solutions. Our teaching methods emphasise active and collaborative learning experiences, incorporating the Conceive-Design-Implement-Operate (CDIO) framework that combines engineering fundamentals with real-world systems and products. Moreover, our curriculum infuses intrinsic motivation methods to inspire you to build skills that will take you further in life.

If you're captivated by engineering, electronics, and programming, join DMRO and discover a world of technological possibilities.

### WHAT YOU CAN EXPECT

- Gain practical industry experience that will prepare you to be future-ready.
- Hone your engineering skills at the dedicated DMRO Learning Space.
- Discover your intrinsic motivation and unlock your potential.
- Check out the multiple pathways to established local and overseas universities.
- Choose from diverse career options in emerging fields such as robotics, automation, and advanced manufacturing.

### FURTHER STUDIES

You can receive advanced standing of up to two years in degree programs related to Mechanical, Mechatronics, Robotics Systems, Electrical & Electronics, Computer Science, or Computer Engineering at both local and international universities.

These universities include, but are not limited to:

- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Singapore University of Technology & Design (SUTD)
- Singapore Institute of Technology (SIT) (University of Glasgow and Newcastle University)
- Singapore University of Social Sciences (SUSS)
- Royal Melbourne Institute of Technology University

### CAREER OPTIONS

- Assistant Automation Engineer
- Assistant Design Engineer
- Assistant Electromechanical Engineer
- Assistant Maintenance Engineer
- Assistant Mechanical Engineer
- Assistant Mechatronics Engineer
- Assistant Project Engineer
- Assistant Quality Control Engineer
- Assistant Research & Development Engineer
- Assistant Robotics Engineer
- Assistant System Development Engineer
- Industrial Robotics Programmer
- Sales Engineer

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 13

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                                            | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                                             | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.



During my internship at a local SME company called Pocket Technology Pte. Ltd., I primarily collaborated with my supervisor on tasks such as designing components using 3D software, assembling these components, and operating a variety of equipment. While I was able to apply the knowledge I had gained in school, the internship also exposed me to the realization that there is a wealth of additional essential knowledge and skills specific to the job that I had yet to acquire. This experience was a valuable opportunity for me to learn and grow in my field.

**Chanakyan Kannan**

DMRO Gold Medallist

Internship at Pocket Technology

## WHAT YOU'LL STUDY

# Diploma in Mechatronics & Robotics

## FIRST YEAR

- |                                                                                                                                                                    |                                                                                                                                                                                     |                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Basic Mathematics</li><li>• Common Core Modules</li><li>• Computer Programming</li><li>• Computer-Aided Drafting</li></ul> | <ul style="list-style-type: none"><li>• Digital Electronics 1</li><li>• Engineering Materials 1</li><li>• Engineering Mathematics 1</li><li>• Introduction to Engineering</li></ul> | <ul style="list-style-type: none"><li>• Mechanics 1</li><li>• Principles of Electrical &amp; Electronic Engineering 1</li><li>• Thermofluids 1</li></ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                                                                     |                                                                                                                                                       |                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Common Core Modules</li><li>• Computer-Aided Machining</li><li>• Design &amp; Fabrication Project</li><li>• Digital Electronics 2</li></ul> | <ul style="list-style-type: none"><li>• Engineering Mathematics 2</li><li>• Elective 1</li><li>• Elective 2</li><li>• Industrial Automation</li></ul> | <ul style="list-style-type: none"><li>• Mechanics 2</li><li>• Principles of Electrical &amp; Electronic Engineering 2</li><li>• Statistics and Analytics for Engineers</li><li>• Thermofluids 2</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                                                 |                                                                                                                                                                                |                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Common Core Module</li><li>• Elective 3</li><li>• Mechanics 3</li></ul> | <ul style="list-style-type: none"><li>• Mobile Robot Application</li><li>• Internship Programme/Internship Equivalent — FYP</li><li>• Programmable Logic Controllers</li></ul> | <ul style="list-style-type: none"><li>• Robotic Integration &amp; Programming</li><li>• Systems &amp; Control*</li><li>• Workplace Safety &amp; Health Management</li></ul> |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

\*Subject to changes

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## Build a Strong Foundation in Engineering, Discover your Strengths

Are you fascinated by engineering but unsure which discipline to specialise in? The Common Engineering Programme (DCEP) curriculum opens doors to an extraordinary blend of subjects, introducing you to various disciplines in the field.

In the first semester, you will be introduced to a wide range of engineering modules, where you get to dabble with mechanical equipment, electrical circuits and electronic gadgets. Through immersive experiences, you'll have the chance to discover your interests and strengths, paving the way for a future in engineering that resonates with you.

At the end of your first semester, you'll be able to make an informed decision to pursue one of seven engineering diplomas offered by SP:

|                                                                |                                                    |
|----------------------------------------------------------------|----------------------------------------------------|
| <b>S88 Aeronautical Engineering<sup>1</sup></b>                | <b>S42 Engineering with Business<sup>2</sup></b>   |
| <b>S90 Aerospace Electronics<sup>1</sup></b>                   | <b>S91 Mechanical Engineering<sup>2</sup></b>      |
| <b>S53 Computer Engineering<sup>2</sup></b>                    | <b>S73 Mechatronics &amp; Robotics<sup>2</sup></b> |
| <b>S99 Electrical &amp; Electronic Engineering<sup>3</sup></b> |                                                    |

### 1st Year, 1st Semester (Common)

Towards the end of 1st Semester, 1st Year (Select 1 out of 7 courses)\*

| MAE         |            |             | EEE         |             |            |             |
|-------------|------------|-------------|-------------|-------------|------------|-------------|
| DARE<br>S88 | DME<br>S91 | DMRO<br>S73 | DASE<br>S90 | DCPE<br>S53 | DEB<br>S42 | DEEE<br>S99 |

### 2nd / 3rd Year (Proceed and continue with allocated course)

\* Course allocation of students are based on their first semester cGPA (with a focus on associated school/course modules), course choices and vacancies in courses.

### WHAT YOU CAN EXPECT

- Discover a wide range of engineering disciplines.
- Get an overview of the skills, competencies, and equipment pertinent to various technologies.
- Ascertain your strengths and interests through exposure to various engineering disciplines, leading to a more informed career choice.

### FURTHER STUDIES

Depending on your diploma course, you can pursue an engineering degree at a local or international university.

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 3 – 19

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                    | GRADE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                           | 1 – 7 |
| Mathematics (Elementary/Additional)                                                                                                                                                                                                                                                                                                                        | 1 – 6 |
| Any one of the following subjects:                                                                                                                                                                                                                                                                                                                         | 1 – 6 |
| <ul style="list-style-type: none"> <li>Biology</li> <li>Biotechnology</li> <li>Chemistry</li> <li>Computing/Computer Studies</li> <li>Design &amp; Technology</li> <li>Electronics/Fundamentals of Electronics</li> <li>Physics</li> <li>Science (Chemistry, Biology)</li> <li>Science (Physics, Biology)</li> <li>Science (Physics, Chemistry)</li> </ul> |       |

Note:

<sup>1</sup> Applicants should not be suffering from severe vision deficiency (including colour vision), acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.

<sup>2</sup> Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.

<sup>3</sup> Applicants who have colour vision deficiency, and wish to pursue a career in electrical power engineering or as a Licensed Electrical Worker (LEW), may encounter difficulties meeting the course requirements and expectations. This condition is required by the Energy Market Authority (EMA) of Singapore. In addition, applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.

I had the opportunity to explore electrical and mechanical engineering modules within the DCEP, which played a crucial role in guiding my decision on the engineering specialisation for my diploma.

**Teo Zhe Kai**

Common Engineering Programme Alumnus

## WHAT YOU'LL STUDY

# Common Engineering Programme

is a full-time first semester programme and you will progress to one of the seven full-time engineering courses.

## FIRST YEAR

### + Semester 1

- Basic Mathematics
- Common Core Modules
- Computer Aided Drafting
- Digital Electronics 1
- Engineering Materials 1
- Introduction to Engineering Programming
- Principles of Electrical & Electronic Engineering 1

### + Semester 2

#### + For DARE/DME/DMRO Option

- Common Core Modules
- Engineering Mathematics 1
- Introduction to Engineering
- Mechanics 1
- Thermofluids 1

#### + For DASE/DCPE/DEEE Option

- Common Core Modules
- Digital Electronics 2
- Engineering Mathematics 1
- Introduction to Engineering & Design
- Principles of Electrical & Electronic Engineering 2

#### + For DEB Option

- Common Core Modules
- Engineering Mathematics 1
- Fundamentals of Economics
- Introduction to Engineering & Design
- Principles of Marketing
- Thermofluids I

## SECOND YEAR / THIRD YEAR

Students will take the modules of the engineering course that they have been posted to in the first year, as well as common core modules.

## ELECTIVES

The SP elective framework offers students options to pursue their passion and / or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, life-long learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# **MISSION POSSIBLE**

**MEDIA, ARTS & DESIGN SCHOOL**



**SCAN TO  
LEARN MORE**

Media, Arts & Design (S29):

Animation & Games

Creative Community Engagement with Psychology

Digital Media & Communications

Story & Content Creation

Experience & Product Design

Sound & Music

Visual Communication & Motion Design





# CONTENTS

|           |                                                  |           |
|-----------|--------------------------------------------------|-----------|
| <b>01</b> | <b>Course Highlights</b>                         | <b>3</b>  |
| <b>02</b> | <b>Lecturer Spotlight</b>                        | <b>4</b>  |
| <b>03</b> | <b>Diploma in Media, Arts &amp; Design (S29)</b> |           |
|           | Animation & Games                                | <b>5</b>  |
|           | Creative Community Engagement with Psychology    | <b>7</b>  |
|           | Digital Media & Communications                   | <b>9</b>  |
|           | Experience & Product Design                      | <b>11</b> |
|           | Sound & Music                                    | <b>13</b> |
|           | Story & Content Creation                         | <b>15</b> |
|           | Visual Communication & Motion Design             | <b>17</b> |
| <b>04</b> | <b>Why SP?</b>                                   | <b>19</b> |



# Media, Arts & Design School

## One Diploma — A World of Possibilities

The Diploma in Media, Arts & Design (DMAD) is a course that trains you to be strong in one core discipline, and equips you with complementary skills and mindsets to thrive in this evolving world.



### Imagine a world...

where creative ideas are nurtured, and talents are elevated to new heights.

Welcome to the Media, Arts & Design School.

With Diploma in Media, Arts & Design (DMAD), you will master your specialisation with deep, focused training. You will cultivate a transdisciplinary mindset and the versatility to explore across creative domains. You will reimagine, transform, and make an impact that resonates in the industry, community and the world.

### Own your creativity with MAD today!

Do you want to make a difference in the media, arts and design fields? Are you curious, expressive, brave, and empathetic? Then DMAD is the diploma for you! Here at the MAD School, our students are trained to take what they see as possibilities, and turn them into reality.

## AT THE MEDIA, ARTS & DESIGN (MAD) SCHOOL, WE ARE **MAD** ABOUT:

### LEARNING

You will be part of our unique interdisciplinary education that is built into our 7 specialisations. The driving force of our curriculum is to allow your individual curiosity, creativity, and professional practice to flourish. You will acquire **mastery in your specialisation** and also be equipped with **diverse knowledge** that broaden your perspective.

### TECHNOLOGY

You will be fully immersed in our technology-enriched learning environment with hand-on experiences. You will be exposed to the latest advancements in the creative field, and wield these tools for your creations.

### INNOVATION

Enhance your innovative abilities through our transdisciplinary project modules and specialised pathways. We collaborate closely with industry partners. These opportunities create authentic experiences that prepare you for the world beyond the classroom.

### YOUR FUTURE

Our graduates are fearless. Armed with competent domain knowledge & skillsets, a powerful collaborative mindset and a dynamic entrepreneur spirit, you will forge successful paths in your chosen creative fields.

For more information regarding entry requirements, courses and careers, please contact:

Media, Arts & Design School Tel: (65) 6775-1133, Enquiry: <https://for.edu.sg/spenquiryform>, Website: [www.sp.edu.sg/mad](http://www.sp.edu.sg/mad)

# Meet Clarice Sim!

**Only 8 outstanding educators received the President's Award for Teachers 2024 and our Teaching and Learning Mentor at SP, Clarice Sim, is one of them!**

Clarice, a Teaching and Learning Mentor at SP's MAD School, doesn't just teach — she transforms learning experiences! With over 11 years of experience at SP and a passion for data-driven education, she's redefining what it means to educate in the digital age.

**Inspired by her own journey from an “invisible” student to a thriving academic, Clarice is on a mission to make sure every student feels seen, valued, and empowered.**

Her deep sense of empathy and unwavering commitment to her students make her a beacon of light in their educational journeys. As one of her students shares: “Ms. Clarice turned Excel functions into an engaging escape room challenge that made learning fun and collaborative. She goes above and beyond, offering guidance in both academics and career planning. The most valuable lesson that I've learned from Ms. Clarice is that we should not be afraid to fail, because failure is part of the learning process. Thank you, Ms. Clarice, for guiding us to have the courage to fail and the will to prevail.”



The President's Award for Teachers (PAT) recognises excellent educators for their role in moulding the future of our nation. Here's Clarice receiving the award from President Mr Tharman Shanmugaratnam!





## Create New Worlds

Remember the game that you couldn't stop playing? The one that transported you to another world altogether? You could be making the next one. Craft the next generation of immersive online experiences, animation and games that will capture the attention of millions.

Animation and games are no longer just for entertainment. They have become an integral part of life, both in the home and in the workplace. Mixed reality/AR/VR are now the cutting edge of today's digital environment and content creation. They are tools to reach out to audiences and help connect people and solve problems.

### WHAT YOU'LL LEARN

- 2D and 3D Art & Animation
- Concept Art & Design
- Game Design and Development
- Interactive Media Design and Application
- Augmented Reality, Virtual and Extended Reality Design

### CAREER OPTIONS

- 2D/3D Animator
- 3D Generalist
- Mobile Application Developer
- AR/VR/MR Developer
- Character Artist and Designer
- Interaction Designer
- Interactive Developer
- Graphic Designer
- Illustrator

### FURTHER STUDIES

#### + Local

- Digipen Institute of Technology Singapore
- LASALLE College of the Arts
- Nanyang Technological University
- National University of Singapore

#### + Overseas

- RMIT Australia
- Ringling College of Arts and Design
- Savannah College of Art and Design
- University of Hertfordshire
- University of London

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art/Art &amp; Design</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Commerce</li> <li>• Commercial Studies</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Intro to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English/Chinese)</li> <li>• Music</li> </ul> |       |



I am thankful for my animation education at SP, which laid the foundation for my career in game animation. Skills acquired, such as receiving and applying feedback, collaborative project work, and personal and team growth, were instrumental. Fuelled by my passion, experiences, and lessons from SP, I secured an internship as a Gameplay Animator at 343 Industries, known for the 'Halo' franchise on Xbox.

**Skai Chow**

Internship at 343 Industries

## WHAT YOU'LL STUDY

# Animation & Games

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- 3D Asset Creation 1
- Animation 1
- Drawing
- Principles of Interaction Design
- User Interface & Experience Design
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- 3D Asset Creation 2
- Animation 2
- Concept Art & Anatomy
- Mobile Game Development
- Common Core Modules
- Elective 2

#### + Semester 2

- Animation & Games Studio
- Tinker Lab
- Common Core Modules

#### 3D Art Track

- 3D Asset Creation 3
- Animation 3
- Concept Art & Design

#### Interactive Media Track

- 3D Game Development
- Immersive Media Fundamentals
- Interactive Digital Design

**\*Note: Students will choose one track to deepen either in 3D Art Track or Interactive Media Track.**

### THIRD YEAR

- Final Year Project (AG)
- Innovation Lab
- Internship Programme
- Common Core Modules
- Elective 3

#### 3D Art Track

- Effects for Animation & Games

#### Interactive Media Track

- Immersive Application Development

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*



# Creative Community Engagement with Psychology

DMAD (CCEP) — S29

Diploma in Media, Arts & Design



## Drive Social Change, Make An Impact

Are you interested in reaching out to people to understand them? Do you have a passion to work with different and diverse segments of society, like the young, the seniors, the vulnerable or the general public? This specialisation is about more than connecting with society. It is about harnessing creativity to engage people in meaningful ways to imagine and drive social change together.

Community engagement requires some important tools. Psychology helps you to understand how different communities think and behave. Another tool is participatory arts. Through planning and delivering community engagement programmes, you will learn how to use creative approaches to connect, engage and empower people.

### WHAT YOU'LL LEARN

- Community Research
- Creative Programme Development
- Psychology
- Facilitation Skills
- Participatory Arts

### CAREER OPTIONS

- Community Engagement Executive
- Community Partnership Executive
- Programme Executive
- Social Service Assistant
- Volunteer Management Executive
- Youth Work Assistant
- Teacher Aide

### FURTHER STUDIES

#### + Local

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

#### + Overseas

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

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art/Art &amp; Design</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Commerce</li> <li>• Commercial Studies</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Intro to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English/Chinese)</li> <li>• Music</li> </ul> |       |



Throughout my studies, I gained industry-based experience through master classes, arts residencies, and external projects, fostering my interest and building self-esteem with the support of dedicated lecturers. Now, I am a socially-engaged practitioner working with different communities. I work through creative approaches like games, drama education and performance making. I am also an Arts for Good fellow with the Singapore International Foundation, interested in international collaborations.

### Muhammad Muazzam

Singapore International Foundation  
Arts for Good Fellow

## WHAT YOU'LL STUDY

# Creative Community Engagement with Psychology

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- Community Psychology
- Facilitation Skills
- Lifespan Psychology
- Understanding & Supporting Communities
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- Educational Psychology
- Participatory Arts Studio 1
- Programme Development & Management
- Common Core Modules
- Elective 2

#### + Semester 2

- Health Psychology
- Social Media Marketing & Communication
- Tinker Lab
- Participatory Arts Studio 2
- Common Core Modules

### THIRD YEAR

- Final Year Project
- Innovation Lab
- Internship Programme
- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

# Digital Media & Communications

DMAD (DMC) — S29

Diploma in Media, Arts & Design



## ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art/Art &amp; Design</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Commerce</li> <li>• Commercial Studies</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Intro to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English/Chinese)</li> <li>• Music</li> </ul> |       |

## Craft Compelling Brand Communications

Have you been captivated by videos on social media? Do you want to create content that touches other people? Do you believe in the power of media? It is time to learn how to harness that power to help organisations and businesses reach out to the public.

DMC is all about using digital and mass media platforms to engage audiences and communicate key messages using different platforms and disciplines. You will learn how to use advertising, branding and public relations to reach out to different audiences. You will also create different types of content to engage your audience in creative ways.

### WHAT YOU'LL LEARN

- Brand Communication
- Research & Strategy
- Content Creation
- Media Writing
- Social Media
- Design
- Advertising & Public Relations
- Digital Marketing
- Digital Analytics

### CAREER OPTIONS

- Communication Planner
- Creative Strategist
- Content Creator (Video Producer/Writer)
- Content Marketer
- Media Planner
- Public Relations/Advertising /Branding Executive
- Social Media Executive
- Corporate Communication/Marcom Executive

### FURTHER STUDIES

#### + Local

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

#### + Overseas

- Monash University
- Murdoch University
- RMIT Australia
- University of Melbourne



In DMC, I explored diverse media forms, gaining valuable hands-on experience. The classes went beyond theoretical learning, offering practical applications from traditional to digital media. This practical foundation gave me an edge in my internship, university studies, and eventual full-time career, providing insight into real-world media practices ahead of my peers.

**Renae Cheng**

Senior Sub-Editor at TheSmartLocal (TSL)

## WHAT YOU'LL STUDY

# Digital Media & Communications

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- Developing a Brand
- User Experience Design & Research
- Visual Design & Photography
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- Digital Content Development
- Digital Marketing
- Research & Strategy
- Writing for News, Features & Branded Content
- Common Core Modules
- Elective 2

#### + Semester 2

- Advertising
- Video Content Creation
- Digital Analytics
- Public Relations
- Tinker Lab
- Common Core Modules

### THIRD YEAR

- Final Year Project
- Innovation Lab
- Internship Programme
- Media Law & Ethics

- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*



# Experience & Product Design

DMAD (XPD) — S29

Diploma in Media, Arts & Design



## Innovate Delightful Products

Have you ever used an mobile app and thought, “Wow, this is so easy to use”? That’s good UX design at work.

Step into the world of User Experience Design – where creativity meets empathy. You’ll blend design, tech, and psychology to shape meaningful, seamless experiences, from mobile apps and smart devices to interactive spaces that surprise and delight.

It’s not just about pixels – it’s about people. You’ll learn to design with empathy through Design Thinking, test your ideas, and solve real-world problems in creative, hands-on ways. With UX, you’ll design with purpose, and make things that people love to use. Through hands-on industry projects, design for both digital and physical realms and open up yourself to opportunities in various fields of design.

### WHAT YOU’LL LEARN

- 3D Modelling
- Design Research
- Human-Centered Design
- Service Design
- User Experience (UX) Design
- User Interface (UI) Design
- Web Design

### CAREER OPTIONS

- Experience Designer
- Mobile App Designer
- Product Designer
- Service Designer
- UI Designer
- UX Researcher
- UX Designer
- Web Designer

### FURTHER STUDIES

#### + Local

- LASALLE College of the Arts
- Nanyang Academy of Fine Arts
- Nanyang Technological University
- National University of Singapore
- Singapore Institute of Technology
- SIM Global Education

#### + Overseas

- Goldsmiths, University of London
- Loughborough University
- Queensland University of Technology
- The Hong Kong Polytechnic University
- The Savannah College of Art and Design
- University of the Arts London

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 – 6 |
| <ul style="list-style-type: none"><li>• Art/Art &amp; Design</li><li>• Business Studies</li><li>• Combined Humanities</li><li>• Commerce</li><li>• Commercial Studies</li><li>• Economics</li><li>• Geography</li><li>• Higher Art</li><li>• Higher Music</li><li>• History</li><li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li><li>• Humanities (Social Studies, History)</li><li>• Humanities (Social Studies, Geography)</li><li>• Intro to Enterprise Development</li><li>• Literature in English/Chinese/Malay/Tamil</li><li>• Media Studies (English/Chinese)</li><li>• Music</li></ul> |       |



At XPD, I was encouraged to experiment, embrace mistakes, and push creative boundaries. XPD gave me the confidence to explore and discover what truly excites me as a designer. Today, as a Design Researcher, I work on projects that connect deeply with users, proving that design is more than just the final product, it’s about discovery and impact.

#### Wong Eng Geng

Design Researcher @ KeepitBrief Pte Ltd

NUS Industrial Design Graduate (2022)

SG Mark Gold Award Winner (2023)

Best Design APAC of Fast Company (2023)

## WHAT YOU'LL STUDY

# Experience & Product Design

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1: Engaging Communities for Delightful Design
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- Prototyping Fundamentals
- User Experience Design & Research
- Visual Design & Photography
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- 3D Modelling & Animation
- User Interface Design
- UX Research & Design Evaluation
- Visual Design for Digital Products
- Common Core Modules
- Elective 2

#### + Semester 2

- Behavioural Design & Human Factors
- Service Design Studio
- Creative Web Design & Development
- Motion Graphics for Product Design
- Tinker Lab
- Common Core Modules

### THIRD YEAR

- Creative Technology
- Final Year Project
- Innovation Lab
- Internship Programme

- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*



## Break the Sound Barrier

Music and sound fill every part of our lives. Music is more than just entertainment, it is a form of expression and affects our emotional and intellectual state. Music is a medium for communication at a very primal level. Music is the primary focus of this specialisation: you will learn to compose, arrange, produce and manage musical and audio content for various contexts.

Has a piece of music or some evocative soundscape ever affected you in a way you could not explain? Harness your love of music and the power of sound to connect with audiences.

### WHAT YOU'LL LEARN

- Music Creation: Composition, Arranging, Editing and Production
- Sound Production: Recording, Engineering, Mixing, Live Sound
- Music Performance
- Show Production

### CAREER OPTIONS

- Music Producer, Director, Composer or Arranger
- Music Educator
- Musician
- Song Writer
- Boom Operator
- Production Assistant
- Sound Designer, Editor, Engineer, Recordist
- Stage Manager

### FURTHER STUDIES

#### + Local

- Nanyang Technological University
- National University of Singapore
- LASALLE College of the Arts

#### + Overseas

- Berklee College of Music
- Full Sail University
- Goldsmiths, University of London
- Liverpool Institute for Performing Arts

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art/Art &amp; Design</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Commerce</li> <li>• Commercial Studies</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Intro to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English/Chinese)</li> <li>• Music</li> </ul> |       |



Interacting with people from diverse backgrounds during my time at SP exposed me to various arts and music forms, influencing our creative processes. The course equipped me with vital skills for international music production, emphasizing the importance of music business. Engaging with musicians from different cultures, I learned nuances like raags in Indian cultural music and erhu bowing methods, deepening my comprehension of diverse musical languages.

#### Buvaneswaran Ganesan

Co-founder / Executive Music Producer of Shabir Music Asia

## WHAT YOU'LL STUDY

# Sound & Music

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- Arranging & Composition 1
- Musicianship & Performance 1
- Music Production Techniques 1
- Production Workshop 1
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- Arranging & Composition 2
- Musicianship & Performance 2
- Music Production Techniques 2
- Production Workshop 2
- Common Core Modules
- Elective 2

#### + Semester 2

- Arranging & Composition 3
- Musicianship & Performance 3
- Music Production Techniques 3
- Production Workshop 3
- Tinker Lab
- Common Core Modules

### THIRD YEAR

- Ensemble Lab
- Innovation Lab
- Internship Programme
- Portfolio Development
- Show Production

- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*



# Story & Content Creation

DMAD (SCC) — S29

Diploma in Media, Arts & Design



## Make Great Stories

Are you captivated by a good story? Do stories move you and stimulate your imagination? Have you felt a deep, personal connection to a story that you've read, watched or heard? Here's where you can discover the untold stories within you.

In Story & Content Creation, you will learn the art of storytelling. You will conduct research, ideate, develop, write and craft content across various media platforms, genres and target audiences. Dream it. Write it. Make it!

### WHAT YOU'LL LEARN

- Storytelling for Scripted, Factual and Entertainment Content
- Digital Content Creation
- Scriptwriting
- Journalism
- Documentary
- Video Production

### CAREER OPTIONS

- Writer
- Producer
- Director
- Editor
- Scriptwriter
- Journalist
- Content Creator
- Documentary Filmmaker

### FURTHER STUDIES

#### + Local

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

#### + Overseas

- Communication University of China
- Monash University
- Murdoch University
- Queensland University of Technology
- RMIT University
- Taipei National University of the Arts
- Underwood International College, Yonsei University
- University of Melbourne
- University of Queensland
- Waseda University

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 – 6 |
| <ul style="list-style-type: none"><li>• Art/Art &amp; Design</li><li>• Business Studies</li><li>• Combined Humanities</li><li>• Commerce</li><li>• Commercial Studies</li><li>• Economics</li><li>• Geography</li><li>• Higher Art</li><li>• Higher Music</li><li>• History</li><li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li><li>• Humanities (Social Studies, History)</li><li>• Humanities (Social Studies, Geography)</li><li>• Intro to Enterprise Development</li><li>• Literature in English/Chinese/Malay/Tamil</li><li>• Media Studies (English/Chinese)</li><li>• Music</li></ul> |       |



In SP's learning environment, I honed my voice and style in writing and visual language, collaborating with coursemates and lecturers. Upon graduation, my multimedia storytelling portfolio showcased strength in journalism and film production. Now, as a visual journalist at CNA Digital, I am prepared for diverse assignments, from covering breaking news to producing mini-documentary series for a broad online audience.

#### Try Sutrisno Foo

Visual Journalist at  
Channel NewsAsia (CNA)

## WHAT YOU'LL STUDY

# Story & Content Creation

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the one that best matches your passions.

#### + Semester 2

- Fundamentals of Journalism
- Introduction to Scriptwriting
- Media Fundamentals
- Video Storytelling
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- Introduction to Documentary
- Introduction to Entertainment Content
- Media Law & Ethics
- Visual Storytelling
- Common Core Modules
- Elective 2

#### + Semester 2

- Entertainment Content Production
- Scripted Concept Development
- The Digital Journalist
- Tinker Lab
- Video Production for Narratives
- Common Core Modules

### THIRD YEAR

- Final Year Project
- Documentary Filmmaking
- Narrative Filmmaking
- Series Development with Scriptwriting

- Innovation Lab
- Internship Programme
- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*

# Visual Communication & Motion Design

DMAD (VCMD) — S29

Diploma in Media, Arts & Design



## Design Inspirations that Vibe

Ever wondered how to turn your imagination into inspiring visuals. Are you ready to “design” your future? Perhaps our family of passionate designers is where you belong, to embark on a journey to bring your ideas to life... together.

Visual Communication & Motion Design (VCMD) requires a blend of creativity, technical skills, and a deep understanding of human psychology. Cultivate a keen eye for aesthetics, overcome creative blocks, hone your design expertise, and translate your ideas into impactful visuals.

### WHAT YOU’LL LEARN

- Creative Freelancing
- Graphic Design
- Photography
- Motion Graphics Design
- Packaging Design
- Advertising Design

### CAREER OPTIONS

- Junior Art Director
- Brand Designer
- Advertising Designer
- Freelance Designer
- Graphic Designer
- Motion Graphic Designer

### FURTHER STUDIES

- + **Local**
  - Digipen Institute of Technology Singapore
  - Nanyang Academy of Fine Arts
  - Nanyang Technological University
  - LASALLE College of the Arts
  - Singapore Institute of Technology
- + **Overseas**
  - Savannah College of Art
  - School of Visual Art
  - CalArts
  - University for the Creative Arts
  - Glasgow School of Art
  - Australian National University
  - RMIT Australia
  - Curtin University

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 6-13

Aggregate Type: ELR2B2-A

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 – 6 |
| Additional Mathematics / Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 – 7 |
| Any one of the 1st group of Relevant Subjects for the ELR2B2-A Aggregate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Art/Art &amp; Design</li> <li>• Business Studies</li> <li>• Combined Humanities</li> <li>• Commerce</li> <li>• Commercial Studies</li> <li>• Economics</li> <li>• Geography</li> <li>• Higher Art</li> <li>• Higher Music</li> <li>• History</li> <li>• Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)</li> <li>• Humanities (Social Studies, History)</li> <li>• Humanities (Social Studies, Geography)</li> <li>• Intro to Enterprise Development</li> <li>• Literature in English/Chinese/Malay/Tamil</li> <li>• Media Studies (English/Chinese)</li> <li>• Music</li> </ul> |       |



My most memorable experience was definitely my final year project, which pushed me and my project partner to the limits of what we could achieve. The final deliverable was a visual sequence revolving around a phone, but on a deeper level it is a story about connections and experiencing the passage of time. It was not only one of my proudest work that I have done in SP, but it also made me bond much more with my classmates by spending long hours together in the studio. I believe it was what really completed my SP journey in the best way possible.

**King Yu Xin**

Junior Art Director, Wild Advertising & Marketing

## WHAT YOU'LL STUDY

# Visual Communication & Motion Design

## Diploma in Media, Arts & Design

### FIRST YEAR

#### + Semester 1

- Experience Lab
- Pre-Specialisation Module 1
- Pre-Specialisation Module 2
- Principles of Design
- Story Craft
- Common Core Modules
- Financial Education 1

Your DMAD experience begins with the common programme in the first semester known as the Foundry, where you will build foundational skills across all media, arts and design domains. You will also take **two pre-specialisation modules**. With the exposure to different specialisations, you will be better equipped to select the ones that best match your passions.

#### + Semester 2

- Motion Graphics 1
- User Experience Design & Research
- Visual Design & Photography
- Common Core Modules
- Elective 1

In Semester 2, you will deep dive into your Specialisation and acquire mastery in your chosen domain area.

### SECOND YEAR

#### + Semester 1

- 3D Fundamentals
- Creative Video Content Creation
- Design History
- Design Studio 1
- Common Core Modules
- Elective 2

#### + Semester 2

- Advertising Design
- Design Studio 2
- Digital Compositing
- Motion Graphics 2
- Tinker Lab
- Common Core Modules

### THIRD YEAR

- Creative Freelancing & Media Law
- Final Year Project
- Innovation Lab
- Internship Programme

- Common Core Modules
- Elective 3

### ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

### COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance — Personal Development (30 hours) in their first year.*





# **MISSION POSSIBLE**

**SINGAPORE MARITIME ACADEMY**



**SCAN TO  
LEARN MORE**

Marine Engineering (S63)

Maritime Business (S74)

Nautical Studies (DAE)



# CONTENTS

|    |                          |    |
|----|--------------------------|----|
| 01 | Hear From Our Students!  | 3  |
| 02 | Marine Engineering (S63) | 5  |
| 03 | Maritime Business (S74)  | 7  |
| 04 | Nautical Studies (DAE)   | 9  |
| 05 | Why SP?                  | 11 |



# HEAR FROM OUR STUDENTS!



My passion for ships began as a child, especially after visiting a maritime museum in Taiwan and seeing the massive vessels at the Port of Kaohsiung. This experience sparked my desire for a career at sea, and after doing my research on marine engineering, I enrolled in SP's Diploma in Marine Engineering (DMR).

During my internship out at sea with Synergy Maritime Pte Ltd., I was eager to learn and took the initiative to observe my crewmates closely, picking up essential skills by watching and asking questions. I embraced the challenges onboard and worked hard to prove myself in a male-dominated environment.

Throughout my journey, I was supported by my lecturers and friends. My Liaison Officer, Mr. Joseph Lee, was especially influential, offering detailed explanations that deepened my understanding of marine machinery.

**His advice to “Begin with an end in mind” kept me motivated throughout my internship.**

As a dyslexic student, I'm proud of how far I've come, and I'm excited to return to Synergy Maritime to continue my career.



**Petrina Tan**  
Diploma in Marine Engineering (DMR)  
Institutional Medallist  
Lee Kuan Yew Award



**Nehemiah Soh**  
Diploma in Nautical Studies (DNS)  
2023 SP Scholar

I chose the Diploma in Nautical Studies (DNS) because of my love for the sea and my desire to explore the world. Sailing offers me both, and the maritime sector's demand for manpower ensures job security.

**Through DNS, I've had countless opportunities to network and gain insights into the industry, which makes me proud to call myself a prospective sailor.**

One of the things I enjoy most about the course is its practical nature. Whether it's driving boats at the poly marina or using the simulator at the Integrated Simulation Centre, the hands-on experiences bring theory to life. My favorite modules are Collision Regulations, where we learn the rules of the sea, and Principles of Navigation, where we navigate using celestial bodies like sailors of the past.

As an SP Scholar, I hope to set an example for future students, especially those aspiring to join the maritime industry as seafarers.



“

SP stood out to me among the polytechnics, with its rich history and strong reputation.

**I chose to pursue a Diploma in Maritime Business, which not only deepened my knowledge of the maritime industry but also allowed me to explore essential business skills like accounting, data analytics, and economics!**

During my Year 2 internship at Golden Stena Baycrest Tankers, I gained invaluable hands-on experience in shipping operations and demurrage assessments. The skills I learned in my ship operations and IT Data Analysis modules helped me streamline processes, improve Excel-based data tracking, and ease my supervisor's workload. I also had the opportunity to work with Golden-Agri Resources, where I was exposed to container shipping, expanding my industry knowledge and shaping my interest in container shipping for my final year project.

One of my most memorable experiences at SP was participating in a stress-relief event before exams, filled with fun activities like an escape room and traditional games!

**Tan Xu Jie**  
Diploma in Maritime Business (DMB)  
DMB Course Medallist

”

**Fatin Nur Syaza Binte Rosli**  
Diploma in Maritime Business (DMB)  
Recipient of the Maritime and Port  
Authority of Singapore (MPA) Prize  
Valedictorian

I chose to join SP's Maritime Business course after hearing my senior's positive experience and learning about the strong support from lecturers and exciting modules. My father's advice on the vital role of shipping in global trade also influenced me, as he emphasized the abundance of career opportunities in this often overlooked but essential industry. SP's excellent teaching resources and convenient location near the MRT also made it the perfect choice for me!

After a challenging experience in junior college, I enrolled at SP, determined to succeed. I maintained a high GPA, made it to the Director's Honour Roll, and received the prestigious Maritime and Port Authority of Singapore (MPA) Gold Medal for outstanding all-round performance.

One of my favorite experiences at SP was the Maritime Experiential Learning (MEL) Camp aboard the Genting Dream Cruise, where I forged lasting friendships with peers while exploring the industry firsthand.

**SP has truly shaped me, and I'm proud to be part of its community.**





## Driving Force of Maritime Advancements

The Diploma in Marine Engineering (DMR) course is a 2-path programme that can award you with both a Diploma and an internationally recognized Certificate of Competency Class 5 Marine Engineering Officer qualification.

You will be learning topics such as:

- Marine/Mechanical Engineering
- Electrical and Electronic Engineering
- Naval Architecture
- Control Technology

that are crucial for transforming a ship into an independent power plant.

Alongside lectures and practical workshops, you'll gain hands-on experience in advanced ship simulators and various engineering training softwares. Be equipped with operational skills and competencies required for both sea-going and shore-based careers.

During your third year, you will have the opportunity to choose between a sea-going or shore-based route.

Join DMR and gear towards a rewarding career path with abundant opportunities.

### WHAT YOU CAN EXPECT

- Acquire a diverse range of in-demand engineering technological skills and comprehensive knowledge through immersive hands-on training.
- Attend talks by industry professionals, participate in on-site visits and get real-world industry exposure through various international maritime events.
- Propel your maritime career with a six-month internship either on board ships or within the shore-based maritime sector.
- Gain direct entry into related engineering degree programmes locally such as at NUS and NTU and overseas universities.

*All applicants must pass the colour vision test as per the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).*

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 9 – 22

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Additional Mathematics/<br>Mathematics                                                                                                                                                                                                                                                                                                                                         | 1 – 6 |
| Any one of<br>the following subjects:                                                                                                                                                                                                                                                                                                                                          | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

### CAREER OPTIONS

DMR is one of the most versatile programmes and it offers you career flexibility. You can apply your knowledge to a wide-ranging field of engineering technologies.

With the training received, a wide variety of career options and opportunities awaits you. You can be employed as marine engineers on ships as well as engineers in shipyards, offshore oil and gas industries and non-maritime engineering firms. Many of our graduates are also suitably employed in sales and service positions in various engineering companies.



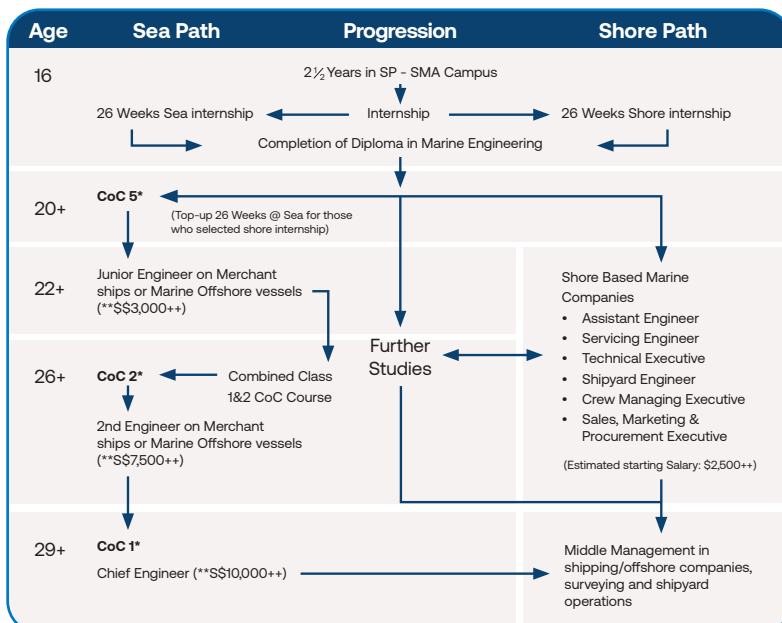
Internships in the Maritime industry can be daunting for women but the experiences I've gained onboard the vessel have allowed me to emerge stronger than I ever thought was possible. I'm excited about what the future brings and I look forward to the endless possibilities of digital transformations in the maritime industry.

**Petrina Tan**

SP Institutional Medallist

Lee Kuan Yew Award Recipient

4th Engineer, Synergy  
Marine Group



\* Internationally recognised professional qualification issued by MPA

++ Tax free income plus paid leave

\*\* <https://www.maritimeone.sg/article-detail/marine-engineer-officer>

## WHAT YOU'LL STUDY

# Diploma in Marine Engineering

## FIRST YEAR

- |                                                                                                                                                                                            |                                                                                                                                                                     |                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Applied Mechanics</li><li>• Basic Mathematics</li><li>• Basic Thermodynamics</li><li>• Basic Occupational Safety &amp; Security Training</li></ul> | <ul style="list-style-type: none"><li>• Common Core Modules</li><li>• Electric Circuits</li><li>• Engineering Drawing</li><li>• Engineering Mathematics 1</li></ul> | <ul style="list-style-type: none"><li>• Financial Education 1</li><li>• Marine Engineering Knowledge I &amp; II</li><li>• Naval Architecture 1</li><li>• Workshop Practice 1 &amp; 2</li></ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                                                                         |                                                                                                                                                                                                            |                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Applied Thermodynamics</li><li>• Auxiliary Machinery</li><li>• Computer Aided Design</li><li>• Common Core Modules</li><li>• Elective</li></ul> | <ul style="list-style-type: none"><li>• Electronics</li><li>• Engineering Mechanics</li><li>• Engineering Maths 2</li><li>• Financial Education 2 &amp; 3</li><li>• Integrated Workshop Practice</li></ul> | <ul style="list-style-type: none"><li>• Instrumentation</li><li>• Marine Power Plant</li><li>• Naval Architecture 2</li><li>• Sustainable Innovation Project (SIP)</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                                                                               |                                                                                                                                                                   |                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Common Core Modules</li><li>• Electric Machines &amp; Systems</li><li>• Integration Control</li></ul> | <ul style="list-style-type: none"><li>• Marine Engine Room Simulation Training</li><li>• Marine Workshop Practice</li><li>• Basic Tanker Training (Sea)</li></ul> | <ul style="list-style-type: none"><li>• Naval Architecture Design &amp; Project (Shore)</li><li>• Internship (Shore/Sea)</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students are required to explore new skills and abilities by undertaking one elective module during their course of study.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance – Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*



## Synergizing Success in Maritime Business

The Diploma in Maritime Business (DMB) offers a rewarding journey in the maritime industry. Gain a deep understanding of how the maritime business world operates, opening doors to exciting, fulfilling careers.

Embark on an exhilarating journey into the dynamic world of the shipping industry, where economic and commercial forces drive its success.

You'll be engaged in real-life industry case studies and master essential business skills. Form a deep appreciation of the complex freight transport network and explore the seamless integration of its components.

Join DMB to unleash your potential and excel in the dynamic world of maritime business careers.

### FURTHER STUDIES

You can gain direct entry into relevant BSc (Hons) programmes in Shipping Management, Maritime Business and Logistics conducted by local universities and reputable tertiary institutions from Australia, the United Kingdom and the United States. You may also pursue business programmes at NUS, NTU, SMU, SIT or SUSS.

With our strong collaboration with international universities, you may gain direct entry into a number of maritime programmes offered by international universities if you obtain more than 3.0 GPA, such as the final year at the University of Plymouth as well as the Solent University, Southampton in the United Kingdom and Australian Maritime College.

### WHAT YOU CAN EXPECT

- Experience hands-on training, case studies and field visits to help you to link classroom concepts to real-world situations.
- An extensive programme that prepares you to be versatile, enabling you to gain employment in various sectors within the maritime industry.
- Receive first-hand experience of working in maritime-related organisations in your six-month shore-based internship during the second year.

### CAREER OPTIONS

Upon graduation, DMB graduates are highly sought after for appointments as junior executives in organisations running ship owning/management; shipbroking/chartering; ship/port agency; logistics/supply chain management and marine insurance/law companies; and port/terminal operators and regulatory authorities. With working experience and exposure, the majority of DMB holders progress to managerial positions such as supervisors and assistant managers, with a few taking on higher responsibilities as managers.

Estimated starting salary: **S\$2,600**

### ENTRY REQUIREMENTS

Range of Net 2026 JAE ELR2B2: 5 – 15

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GRADE |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 – 7 |
| Additional Mathematics/<br>Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 – 6 |
| Any one of the following relevant subjects for the ELR2B2-C Aggregate Type:                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Creative 3D Animation</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Exercise &amp; Sports Science</li> <li>• Food &amp; Nutrition/Nutrition &amp; Food Science</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |



I performed my internship at a local company, Golden Stena Baycrest (GSB) Tankers which was a joint venture company comprising of 3 different companies. During my 6 months stint, I was exposed to the countless different opportunities that gave me a fulfilling learning experience.

**Tan Xu Jie**

DMB Gold Medallist

Internship at Golden Stena Baycrest (GSB) Tankers

## WHAT YOU'LL STUDY

# Diploma in Maritime Business

## FIRST YEAR

- |                                                                                                                                                                                                              |                                                                                                                                                                                                                                        |                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Bunkering Practices</li><li>• Business Statistics</li><li>• Common Core Modules</li><li>• Financial Accounting in Shipping</li><li>• Financial Education 1</li></ul> | <ul style="list-style-type: none"><li>• Introduction to Maritime Industry</li><li>• IT &amp; Data Analytics for Business</li><li>• Logistics Management</li><li>• Maritime Economics</li><li>• Maritime Personnel Management</li></ul> | <ul style="list-style-type: none"><li>• Port Operations</li><li>• Principles of Shipping Practice</li><li>• Ship Operations</li></ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

## SECOND YEAR

- |                                                                                                                                                                         |                                                                                                                                                                                           |                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Business Data Analytics</li><li>• Common Core Modules</li><li>• Financial Education 2</li><li>• Financial Education 3</li></ul> | <ul style="list-style-type: none"><li>• Financial Management in Shipping</li><li>• Law of Carriage of Goods by Sea</li><li>• Port Agency</li><li>• Port Management (Elective 1)</li></ul> | <ul style="list-style-type: none"><li>• Sustainable Innovation Project (SIP)</li><li>• 26 + 1 — Week Internship Programme</li></ul> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|

## THIRD YEAR

- |                                                                                                                                                                                  |                                                                                                                                                                                               |                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• Electronic Commerce</li><li>• HSSE Management (Elective 3)</li><li>• Marketing of Shipping Services</li><li>• Marine Insurance</li></ul> | <ul style="list-style-type: none"><li>• Maritime Law</li><li>• Maritime Offshore Operations</li><li>• Marine Engineering Knowledge</li><li>• Ship Chartering Practices (Elective 2)</li></ul> | <ul style="list-style-type: none"><li>• Ship Management</li><li>• Ship Financing</li><li>• Supply Chain Management</li><li>• Final Year Project</li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Most students will take three electives during their time in SP. Students who are interested to explore additional new skills and abilities will have the opportunity to take up to five electives. Certificates and minors will be awarded when students complete a suite of related elective modules.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All full-time diploma students are required to take a compulsory Education and Career Guidance module in SP. Students will take Education and Career Guidance – Personal Development (30 hours) in their first year.*

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*





## Charting the Future of Maritime Excellence

Embark on an exciting voyage with the Diploma in Nautical Studies (DNS) and earn your Class 3 Deck Certificate of Competency (CoC), your first professional sea-going qualification. Take confident steps as a junior deck officer and rise to the helm as a ship master.

The DNS course consists of three phases, providing a solid foundation for your maritime career.

**Phase 1: Pre-Sea Induction (18 months)** — covering fundamental knowledge, skills and the STCW required training courses.

**Phase 2: Sea-Training/ Correspondence (12 months)** — structured shipboard training to develop skills as a Navigating Officer.

**Phase 3: Final phase (6 months)** — return to Singapore Polytechnic to continue study and complete requirements leading to the Class 3 Certificate of Competency (CoC) qualification.

Join DNS and set sail toward an exciting future in maritime.

### CAREER OPTIONS

As you enter the maritime world, remarkable opportunities await. Your experience and skills can lead to prestigious roles such as navigating officers, harbour pilots, and superintendents.

### WHAT YOU CAN EXPECT

- Graduates will be awarded both an SP diploma and the internationally recognised professional Class 3 Certificate of Competency (CoC) qualification that allows you to sail as a certified sea-going officer worldwide.
- Train in the state-of-the-art simulators using virtual reality-based training tools and immersive environment that will equip you to handle various scenarios at sea.
- Gain the competencies and versatility to sail in any type of ship of any size worldwide.
- Get first-hand experience in working on board a vessel in the 12-month sea training phase.
- Receive support for career progression from government agencies and industry partners through financial rewards and benefits.

### FURTHER STUDIES

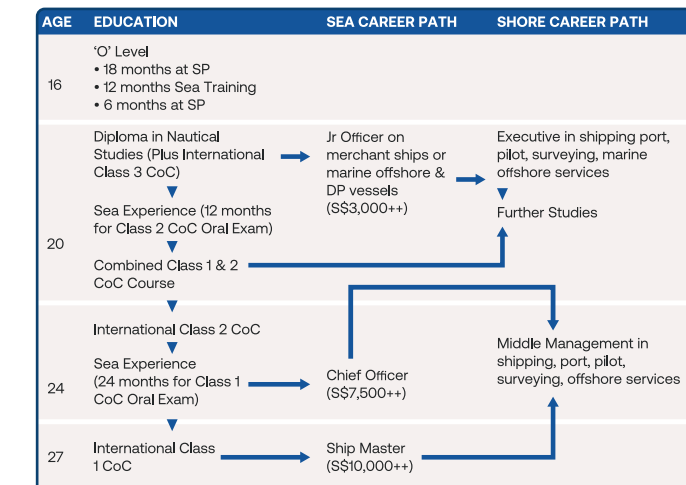
With a DNS diploma, you can gain direct entry into relevant degree courses overseas. You can pursue a Bachelor's degree in Navigation & Maritime Science Offered by the University of Plymouth (UK), which is useful and beneficial for a Shore based career path.

### ENTRY REQUIREMENTS

Aggregate Type: ELR2B2-C

| SUBJECT                                                                                                                                                                                                                                                                                                                                                                        | GRADE |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| English Language                                                                                                                                                                                                                                                                                                                                                               | 1 – 7 |
| Additional Mathematics/<br>Mathematics                                                                                                                                                                                                                                                                                                                                         | 1 – 6 |
| Any one of<br>the following subjects :                                                                                                                                                                                                                                                                                                                                         | 1 – 6 |
| <ul style="list-style-type: none"> <li>• Biology</li> <li>• Biotechnology</li> <li>• Chemistry</li> <li>• Computing/Computer Studies</li> <li>• Design &amp; Technology</li> <li>• Electronics/Fundamentals of Electronics</li> <li>• Physics</li> <li>• Science (Chemistry, Biology)</li> <li>• Science (Physics, Biology)</li> <li>• Science (Physics, Chemistry)</li> </ul> |       |

- Applicants must ensure that they have good eyesight (i.e. visual acuity unaided 6/60 on both eyes and with visual aids of 6/9 in the better eye and at least 6/12 in the other eye) and do not have colour vision deficiency. Applicants must show proof of having passed the Maritime and Port Authority of Singapore (MPA) Sight Test which is conducted at the Singapore Polytechnic Optometry Centre or by General Practitioners.
- Applicants who successfully complete the colour vision test as specified in the STCW Convention indicated above, but do not meet the visual acuity requirements, may apply for conditional admission. To do so, they must sign a **Letter of Undertaking**, agreeing to abide by the conditions outlined in that document.
- SMA/SP will assist in sourcing for a sponsoring company for local students. Shortlisted candidates will be required to attend an interview conducted by the Singapore Maritime Academy. International students are required to find a **Singapore** shipping company of their choice that is prepared to offer them an internship placement for Phase Two of this course. International Candidates are strongly advised to secure their internship placement with a shipping company prior to the course commencement.



++ Tax free income plus paid leave



My cadetship experience has not only reinforced my passion for the maritime field but also shaped my future aspirations. I am now determined to become a skilled and proficient maritime professional, to continue contributing to the safety and efficiency of maritime operations.

**Fadhi Bin Bohari**  
DNS Gold Medallist

## WHAT YOU'LL STUDY

# Diploma in Nautical Studies

## FIRST PHASE - 18 MONTHS

- Advanced Fire Fighting
- Applied Science
- Basic Occupational Safety & Security Training
- Basic Tanker Training
- Collision Regulations
- Common Core Modules
- Elective
- Electronic Navigation Systems 1
- Financial Education
- Fundamentals of IT & Data Analysis
- Introduction to Navigation
- Marine Communications & Signals
- Mathematics 1
- Mathematics 2
- Meteorology
- Principles of Navigation
- Ship Knowledge
- Science 1
- Wellness for Life

## SECOND PHASE - 12 MONTHS

- 52-Week Sea Service

## THIRD PHASE - 6 MONTHS

- Cargo Work and ISM
- Coastal Navigation
- Electronic Navigation Systems 2
- GMDSS
- Practical Navigation
- Ship Operations
- Ship Construction & Ship Stability

## ELECTIVES

The SP elective framework offers students options to pursue their passion and/or meet different career needs, and is an integral part of the holistic education we seek to provide to our students. The learning experiences of this elective framework help students in their development as self-directed, versatile, lifelong learners, which are essential in today's volatile and changing societal as well as occupational landscape.

Students are required to explore new skills and abilities by undertaking one elective module during their course of study.

## COMMON CORE CURRICULUM

The Common Core Curriculum (CCC) prepares you for a changing world with essential human and digital skills. Through its 10 modules, the CCC also provides a wide learning experience to examine local and global issues based on the Sustainable Development Goals (SDGs).

These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

*All students are required to pass the compulsory Wellness for Life (WFL) module during their course of study at SP. The module runs for one semester and is scheduled in their first year.*

# Why SP?

# 1



## A TRAILBLAZER IN EDUCATION FOR ALL AGES

We are Singapore's first polytechnic established in 1954, with a rich history spanning seven decades. At the forefront of pedagogical innovation, SP is renowned as the regional leader in the CDIO movement.

# 2



## FAST-TRACK YOUR DEGREE: SAVE UP TO 2 YEARS

We recognise your unique aspirations! Fast-track to top universities like NUS, NTU, SMU, or SUTD with credit exemptions or advanced standing — up to 2 years! Accelerate your journey with university modules, all while studying at SP.

# 3



## CONNECT WITH INDUSTRY LEADERS AND SINGAPORE'S LARGEST POLY ALUMNI NETWORK

At SP, industry engagement is key. Build real-world connections through client-paid projects with leading companies. Join our alumni network of over 240,000 professionals, CEOs, and experts — your gateway to career success.

# 4



## GLOBAL EXPOSURE TO BROADEN YOUR HORIZONS

Embark on overseas internships and immersion programmes in ASEAN, China, India, Australia, and beyond! Gain global experience, immerse in diverse cultures, and sharpen your skills with international exposure.

# 5



## CUSTOMISATION OF YOUR LEARNING EXPERIENCE: OVER 100 ELECTIVE MODULES

Choose your path! SP is the first to offer a fully customised elective programme with over 100 options. Deepen your expertise, fuel your passions, and earn additional certificates and minors for a brighter academic and career future.

# 6



## CONVENIENCE AND ACCESSIBILITY LIKE NO OTHER!

Rain or shine, getting to SP is easy! Connected directly to Dover MRT, we're the only polytechnic with this convenience. Plus, nearby dining, shopping, and entertainment make campus life even more exciting!

# 7



## DIVERSE CCAS TO CULTIVATE YOUR INTERESTS

SP's wide range of CCAs lets you showcase your talents, explore new interests, and connect with peers. Whether locally or overseas, our CCAs support your holistic growth and development beyond the classroom.

# 8



## SCHOLARSHIP OPPORTUNITIES FOR STUDENTS

SP is committed to supporting deserving students with a range of scholarships, ensuring you have the opportunities and resources needed to achieve academic excellence.

# 9



## OPPORTUNITIES FOR THE LEADER IN YOU

SP shapes future leaders with programmes like EDGE and SPOT, empowering students to rise beyond their diplomas and become tomorrow's trailblazers.