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Media, Arts & Design School (MAD)
Singapore Maritime Academy (SMA)

SP Singapore Polytechnic

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Architecture (S66)
Civil Engineering (S68)
Facilities Management (S95)
Integrated Events & Project Management (S50)
Interior Design (S89)
Landscape Architecture (S94)

SP Singapore Polytechnic

CONTENTS

Architecture

DARCH — S66

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 Special 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 2025 JAE ELR2B2: 5 – 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: • Art • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Design Studies • Food & Nutrition/Nutrition & Food Science • Electronics/Fundamentals of Electronics • Higher Art • Media Studies (English) • Media Studies (Chinese) • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

Having performed my internship at a renowned local architecture firm for 2 months, it was eye-opening to see how it is like in the working world. The Computer Aided Design software learnt in school was very beneficial and I was able to apply my skills during my internship. Learning about the codes and regulations of government agencies like BCA, URA and SCDF and applying them in my school projects allowed me to understand and adapt to the working environment and pace in the firm quickly!

Janessa Kwan
DARCH Gold Medallist
Internship at DP Architects

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 1
- Domain Specific Module 2
- 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.

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Civil Engineering DCE — S68

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 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 2025 JAE ELR2B2: 6 – 22
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

SCHOLARSHIPS

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

"I chose DCE at SP because of my passion for seeing structures come to life! SP's practical approach and cutting-edge facilities make it an excellent choice for engineering enthusiasts. Hands-on modules like 'Reinforced Concrete Design' deepened my understanding of construction processes, and I could also use 3D structural modelling software to design concrete elements!

Chin Jing Ying
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

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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 Accelerated Pathway Programme: Take up modules taught by National University of Singapore and complete your degree earlier.

SCHOLARSHIPS

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

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 2025 JAE ELR2B2: 14 – 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: • Art • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Design Studies • Food & Nutrition/Nutrition & Food Science • Electronics/Fundamentals of Electronics • Higher Art • Media Studies (English) • Media Studies (Chinese) • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

I chose SP because the curriculum is designed to equip students with the skills to solve real-world problems. DFM particularly appealed to me because I'm fascinated by the intricacies of building management and the use of data analytics and technology. My internship was invaluable, allowing me to apply classroom knowledge to real-world situations and build industry connections. Overall, SP has prepared me with essential skills for a career in the built environment.

Ranice Yong
DFM Gold Medallist
Internship at Rhodo Property

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

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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, Allkin Volunteer Appreciation Day, Gamescom Asia, HDB Tengah Estate Roadshows and SAFRA Punggol Halloween Galaxy.
- 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.

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 2025 JAE ELR2B2: 5 – 15
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
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During my internship, I was able to apply the knowledge and skills I learnt in school and most importantly, it gave me first-hand experience of what it's like in the working world! I was able to apply what I learnt from my classes as I worked with my colleagues on multiple events.

Phoebe Tok

DEPM Gold Medallist

Internship at Club Rainbow (Singapore)

WHAT YOU'LL STUDY

Diploma in Integrated Events & Project Management

FIRST YEAR

- Audio Visual System
- Common Core Modules
- Creative Media Tech
- Drawing and Visualisation
- Economics
- Fundamentals of Event Management
- Hybrid Events Production
- Law
- Principles of Management
- Principles of Marketing

SECOND YEAR

- Analytics & Info Management
- Common Core Modules
- Elective 1
- Elective 2
- Environmental Safety & Health
- Event Budgeting & Financials
- Event Materials & Facilities Construction
- Integrated Project (Year Long)
- Logistics & Site Operations
- MICE Management
- Project Management & Sustainability
- Sustainable Innovation Project (SIP)

THIRD YEAR

- Cross Cultural Studies
- Elective 3
- Experience Management
- Internship Programme (22-week/Year-Long)
- Public Relations & Partnership Management
- Resource Procurement & Negotiation
- Venue & Facilities Management

ELECTIVES

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Interior Design DID — S89

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

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

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 2025 JAE ELR2B2: 10 – 14
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 7
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During my 6-month tenure, I served as a Junior Interior Designer, engaging in diverse projects encompassing residential, commercial, and exhibition design. I was able to hone my soft skills there, including effective communication with clients and contractors, both in-person and via email. I also gained insights into site management and even acquired some foundational project management skills. These experiences were invaluable and couldn't have been taught in a classroom setting.

Tay Yun Jun

DID Course Medallist

Internship at WY-TO Singapore

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 1
- Domain Specific Module 2
- Common Core Modules
- Elective 2
- Elective 3

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So Possible with School of
BUSINESS
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Scan to learn more
Accountancy (S75)
Banking & Finance (S76)
Business Administration (S71)
Human Resource Management with Psychology (S48)
Common Business Programme (S31)
SP Singapore Polytechnic

CONTENTS

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

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

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.

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?'

Accountancy

DAC — S75

Be the Future Accountant of the Changing World

More than just technical skills, SP's Diploma in Accountancy (DAC) develops future-ready professionals who are bold, adaptable, and purpose-driven—ready 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—so students graduate ready to support businesses, embrace automation, and contribute meaningfully to areas like 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. Learn how businesses operate and apply concepts in real-world settings.
+ **Digital and Analytical Capabilities** Use tools like Power BI, UiPath, and Singtax to analyse data, automate tasks, and solve business problems.
+ **Entreprenurial Mindset & 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.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

- Learn accounting through hands-on, industry-informed modules that challenge you to think critically and act with integrity.
- Gain digital fluency using tools like Power BI, UiPath, and Singtax to solve real business problems.
- Explore ESG issues and innovation challenges that spark curiosity, initiative, and purposeful learning.
- Choose from flexible internship pathways —including local, extended, or overseas placements that deepen your industry exposure.
- Apply knowledge across multi-disciplinary projects, reflect on feedback, and refine your ideas in authentic business settings.
- Graduate ready to take on the future—with the skills, confidence, and mindset to grow, lead, and make a difference.

CAREER OPTIONS

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

- Assurance
- Data Analytics
- Financial Accounting
- Financial Forensics
- Internal Audit
- Management Accounting
- Robotics Process Automation
- Taxation

FURTHER STUDIES

As a DAC graduate, you can pursue a degree at a local or overseas university or fast-track your professional qualification. SP works closely with bodies like ISCA, ACCA, ICAEW, and CIMA, which offer module exemptions. You may also choose to deepen your skills through SP's part-time Specialist Diploma in Professional Accounting and Technology, with a focus on digital readiness.

ENTRY REQUIREMENTS

Range of Net 2025 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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Geography)
- Humanities (Social Studies, History)
- Humanities (Social Studies, Literature in English/ Chinese/Malay/Tamil)
- Introduction to Enterprise Development
- Literature in English/Chinese/Malay/ Tamil
- Media Studies (English)
- Media Studies (Chinese)
- Music
- Principle of Accounts

Working at EY was an eye-opening experience! I got to work under many experienced professionals and learn more about various business industries. Though the work was unfamiliar at first, I was able to integrate into the environment easily thanks to my workplace's supportive work culture and learnt the company's ways rather quickly!

Sim Wan Jing

Internship at Ernst & Young 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 Management
- Financial Accounting
- Forensic Accounting & Assurance
- Taxation

THIRD YEAR

- Business & Company Law
- Elective 3
- Final Year Project (Choice of Domain or Interdisciplinary Project)
- Predictive Analysis with AI
- 22-week 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).

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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.

Banking & Finance DBKF — S76

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 pathway and deepen or broaden your learning. Choose from a variety of electives or pathways, such as the FinTech Pathway in your 3-year curriculum.
- Acquire valuable real-life experience through a variety of local and overseas programmes.
- Enjoy advanced standing at established universities.
- There are many excellent employment opportunities for DBKF graduates, who possess skillsets required to fill a wide variety of positions that are in demand.

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 2025 JAE ELR2B2: 5 – 10
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Geography)
- Humanities (Social Studies, History)
- Humanities (Social Studies, Literature in English/ Chinese/Malay/Tamil)
- Introduction to Enterprise Development
- Literature in English/Chinese/Malay/ Tamil
- Media Studies (English)
- Media Studies (Chinese)
- Music
- Principle of Accounts

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 & 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.

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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.

Business Administration

DBA — S71

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 2025 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: • Art • Business Studies • Combined Humanities • Economics • Geography • Higher Art • Higher Music • History • Humanities (Social Studies, Geography) • Humanities (Social Studies, History) • Humanities (Social Studies, Literature in English/ Chinese/Malay/Tamil) • Introduction to Enterprise Development • Literature in English/Chinese/Malay/ Tamil • Media Studies (English) • Media Studies (Chinese) • Music • Principle of Accounts	1 – 6

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

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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.
- 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 2025 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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Geography)
- Humanities (Social Studies, History)
- Humanities (Social Studies, Literature in English/ Chinese/Malay/Tamil)
- Introduction to Enterprise Development
- Literature in English/Chinese/Malay/ Tamil
- Media Studies (English)
- Media Studies (Chinese)
- Music
- Principle of Accounts

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 Information System
- 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
- HR Analytics
- 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.

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Common Business Programme

DCBP — S31

Explore before Specialising

Are you passionate about business but need more exposure and hands-on experience to decide which business discipline or field to specialise in? The Common Business Programme (CBP) is the right place for you!

NAVIGATING YOUR INTERESTS

CBP gives you invaluable exposure to various branches in business studies. Embark on an experiential journey to gain insights before making a decision about your specialisation. A CBP student's journey begins with the same Year 1 curriculum as the other School of Business (SB) students. Towards the end of Year 1, CBP students will rank their preferences among the six specialisations as shown in the illustration below:

FURTHER STUDIES

Depending on your specialisation, you can continue to pursue your respective business degree programmes at a local or international university.

CAREER OPTIONS

An education with the School of Business will provide you the versatility to work in a wide variety of professions and industries such as accounting, banking & finance, human resources, marketing and supply chain. Some of you may even venture out on your own to become an entrepreneur!

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

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

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5 – 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
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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 Yun
3rd Year Finance Undergraduate, SMU

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

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So Possible with School of

CHEMICAL & LIFE SCIENCES

THIS IS CONFIDENCE.

Applied Chemistry (S64)
Biomedical Science (S98)
Chemical Engineering (S70)
Common Science Programme (S28)
Food Science & Technology (S47)
Optometry (S67)
Perfumery & Cosmetic Science (S38)

for.edu.sg

Scan to learn more

SP Singapore Polytechnic

CONTENTS

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 Eurofragance 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

Nicholas Sim Jing Xiang
Diploma in Food Science & Technology
Lee Kuan Yew Award
Singapore Food Manufacturers' Association Gold Medal
Singapore Institute of Food Science & Technology Award Cum Rintoul Scholarship
OCBC Prize

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 Invitationals with them will always be a cherished highlight of my time here.

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

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

Jasmine Chan Sze Yi
Diploma in Chemical Engineering
Petrochemical Corporation of Singapore
Gold Medal Recipient

Applied Chemistry

DAPC — S64

ENTRY REQUIREMENTS
Range of Net 2025 JAE ELR2B2: 3 – 8
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects:	1 – 6

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 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

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.
- Gain real-world experience through internship opportunities at relevant industries.
- Delve into ground-breaking research projects and work alongside experts in the industry at local or international institutions.
- Enjoy direct entry and advanced standing to renowned local and overseas universities.
- Explore a wide array of career options and pathways.
- Academically strong students have the opportunity to read NUS modules instead of SP electives as part of the Accelerated Pathway Programme.

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,

CAREER OPTIONS

- Application Chemist
- Assistant Engineer
- Chemical Technologist
- Chemist
- Environmental, Safety & Health Officer
- Materials Characterisation/ Failure Analysis Specialist
- Process Designer
- Purchaser/Procurement Engineer
- Quality Assurance/Quality Control Laboratory Analyst
- Regulatory & Compliance Officer
- Research Assistant
- Sales/Business/Marketing Executive
- Technical Specialist

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
- Chemistry & its Applications
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Introductory Food Science
- Microbiology & Genetics

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.

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

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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.

Biomedical Science

DBS — S98

The Science that 'Saves Lives'

The science of saving lives takes centre stage here, where we focus on the life sciences and bio-pharmaceutical industries. The Diploma in Biomedical Science (DBS) offers you the opportunity to make a positive impact on the health and well-being of our community.

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.

+ **Biotechnology**

  Harness the power of biological processes to improve lives and contribute to advancements and innovations in medical research and drug development.

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 opportunities to intern at multinational biopharmaceutical companies, renowned laboratories including A*STAR institutes and top-ranking overseas universities.
- Gain authentic learning experiences by training with the 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.

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 2025 JAE ELR2B2: 3 – 6
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

SCHOLARSHIPS

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

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
- Chemistry & its Applications
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Introductory Food Science
- Microbiology & Genetics

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
- Cell Biology Techniques
- Chemistry III
- Clinical Chemistry
- Common Core Modules
- Elective 2
- Immunology
- Medical Microbiology
- Molecular Techniques
- Project
- Statistics

+ Cardiac Technology Specialisation

- Anatomy & Physiology
- Cell Biology Techniques
- Chemistry III
- Clinical Chemistry
- Common Core Modules
- Elective 2
- Elective 3
- Immunology
- Medical Microbiology
- Molecular Techniques
- Statistics

+ Biotechnology Specialisation

- Anatomy & Physiology
- Cell Biology Techniques
- cGMP & Validation
- Chemistry III
- Common Core Modules
- Elective 2
- Health, Safety & Environmental Management
- Immunology
- Molecular Techniques
- Project

THIRD YEAR

+ Medical Technology Specialisation

- Elective 3
- Elective 4
- Elective 5
- 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

+ Biotechnology Specialisation

- Elective 3
- Elective 4
- Elective 5
- Internship Programme
- Project
- Protein Methods

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

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Chemical Engineering

DCHE — S70

Catalysing Innovations, Empowering Sustainable Future

Join us at Chemical 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, cost-effective, safe and cutting-edge processes for the chemical industry. Oil and gas, pharmaceuticals, food and drink, synthetic fibres and clean drinking water are some products where chemical engineering plays a central role.

In chemical 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 natural dyes.

If you aspire to leave a lasting impact and shape the future, join our Diploma in Chemical Engineering (DCHE) 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, pharmaceutical engineering, environmental engineering, materials engineering, among others.

As the first chemical engineering diploma in Singapore, we achieved international accreditation from the Institution of Chemical Engineers (IChemE UK) in 1996. This recognition affords our graduates preferential consideration for university admissions, often resulting in module exemptions or advanced standing in their degree programs.

SCHOLARSHIPS

- A*STAR Science Award
- Mitsui Chemicals Internship Award
- Singapore Polytechnic Scholarships

WHAT YOU CAN EXPECT

- Make concepts real and develop hands-on skills at SP's 1600-m² Energy & Chemicals Training Centre, featuring the Interactive Plant Environment and smart chemical processing equipment.
- Gain pharmaceutical expertise in the Pharmaceutical Processing Suite and Biologics Laboratories to equip you with the skills needed for a successful career in chemical engineering.
- Take up modules taught by National University of Singapore (NUS) or Nanyang Technological University (NTU) and complete your degree earlier under **SP-NUS Accelerated Pathway Programme** or **SP-NTU Accelerated Pathway Programme**.
- 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 Chemicals and A*STAR research institutes.

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 4 – 12
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

CAREER OPTIONS

Biopharmaceutical Sector

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

Chemical Sector

- Laboratory Technician/Technologist
- Process Technician
- Product Technologist

Workplace Safety Sector

- Environmental Management System Coordinator
- Process Safety Officer

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 DCHE 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 Engineering

FIRST YEAR

- Basic Mathematics
- Chemical Engineering Thermodynamics
- Chemistry I
- Chemistry II
- Common Core Modules
- Engineering Mathematics
- Fluid Flow & Equipment
- Heat Transfer & Equipment
- Introduction to Chemical Engineering
- Laboratory & Process Skills 1
- Laboratory & Process Skills 2

SECOND YEAR

- Chemical Engineering Design Calculations & Simulation
- Chemical Product Design & Development
- Chemical Reaction Engineering
- Common Core Modules
- Elective 1
- Elective 2
- Engineering Mathematics II
- Introduction to Chemical Product Design
- Process Instrumentation & Control
- Process Operations Skills 1
- Process Operations Skills 2
- Separation Processes

THIRD YEAR

- Biopharmaceutical & Pharmaceutical Engineering
- Biopharmaceutical & Pharmaceutical Practice
- Capstone Project
- Common Core Modules
- Elective 3
- Internship Programme
- Plant Design, Economics & Sustainable Development
- Process Plant Safety & Engineering Ethics

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.

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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 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.

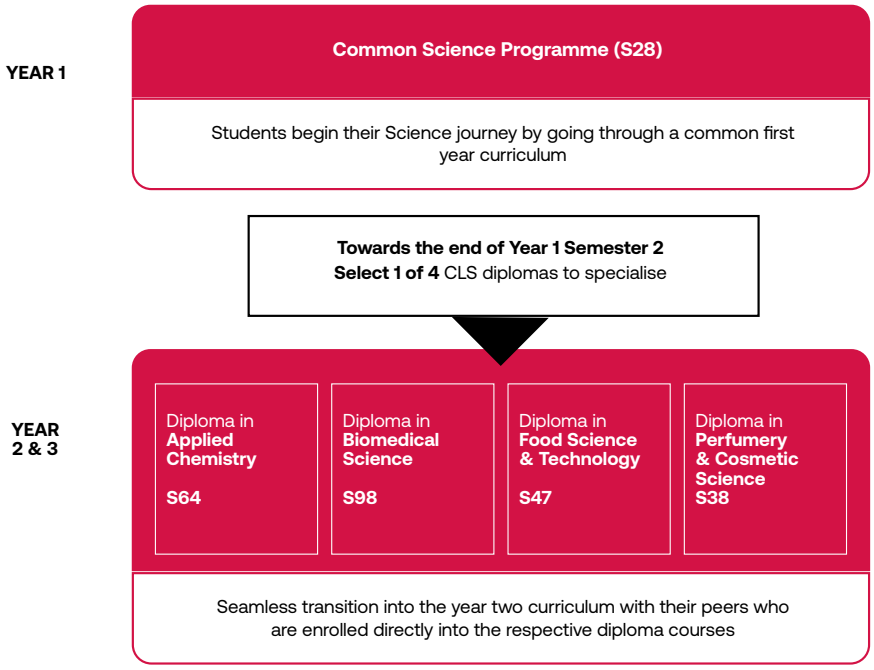
ENTRY REQUIREMENTS
Range of Net 2025 JAE ELR2B2: 5 – 9
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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.



FIRST YEAR

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Chemistry & its Applications
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Introductory Food Science
- Microbiology & Genetics

ELECTIVES

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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 in the Diploma in Food Science & Technology (DFST) course and unlock the secrets behind every mouth-watering bite. Explore the entire journey of food, from its raw ingredients to the intricate processes of packaging and delivering finished consumer products.

Our industry-focused curriculum combines design thinking and hands-on projects to empower you to become a skilled food technologist who innovates and produces safe, healthy and irresistible food creations.

Are you ready to embark on an exciting journey to unravel the delicious mysteries behind the food we eat? 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 (Hons) or Bachelor of Professional Studies in Culinary Arts Management at SIT
- Bachelor of Science (Food Technology

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.
- In the second year, some of you will have the opportunity to be mentored by industry professionals in a work-based learning programme, the Industry Now Curriculum (INC), at SP's Food Innovation Resource Centre (FIRC) or our brand new Future Food Lab (FFL).
- Acquire local and global perspectives on research, product development and food operations through internships and learning journeys.
- 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.

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

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 4 – 11
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

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.

WHAT YOU'LL STUDY

Diploma in Food Science & Technology

FIRST YEAR

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Chemistry & its Applications
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Introductory Food Science
- Microbiology & Genetics

SECOND YEAR

- Chemistry III
- Common Core Modules
- Elective 2
- Food Chemistry
- Food Ingredients
- Food Microbiology
- Food Preservation
- Food Process Engineering
- Food Product Development & Packaging
- Food Safety & Quality Management
- Nutrition
- Statistics

THIRD YEAR

- Common Core Modules
- Elective 3
- Internship Programme
- Project

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.

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DOPT — S67

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^2 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

CAREER OPTIONS

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

ENTRY REQUIREMENTS

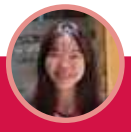
Range of Net 2025 JAE ELR2B2: 6 – 11
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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
- Ocular Disease 2
- Paediatric Optometry
- Internship Programme

ELECTIVES

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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.

Perfumery & Cosmetic Science

DPCS — S38

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.
- Collaborate with industry partners to gain practical experience in creating perfumes, cosmetic products, and extracting essential oils.
- Benefit from internships with perfumers, chemists, and product formulators in reputable chemical companies, fragrance houses, and fast-moving consumer goods companies.
- 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.
- Academically strong students have the opportunity to read NUS modules instead of SP electives as part of the Accelerated

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.

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5 – 10
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

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

- Basic Mathematics
- Biochemistry & Cell Biology
- Chemical Safety & Biosafety
- Chemistry I
- Chemistry II
- Chemistry & its Applications
- Common Core Modules
- Elective 1
- Engineering Mathematics
- Instrumental Analysis
- Introductory Food Science
- Microbiology & Genetics

SECOND YEAR

- Chemistry III
- Chemistry of Cosmetic Raw Materials
- Common Core Modules
- Elective 2
- Elective 3
- Engineering Mathematics II
- Formulation & Colloidal Science of Cosmetics
- Fragrance & Flavour Chemistry I
- Fragrance & Flavour Chemistry II
- Further Chemistry I
- Quality Assurance & Statistics
- The Art of Perfumery

THIRD YEAR

- Internship Programme
- Safety Assessment, GMP & Cosmetic Regulations

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.

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Scan to learn more
Applied AI & Analytics (S30)
Common ICT Programme (S32)
Cybersecurity & Digital Forensics (S54)
Computer Science (S69)
SP Singapore Polytechnic

CONTENTS

Applied AI & Analytics

DAAA — S30

ENTRY REQUIREMENTS
Range of Net 2025 JAE ELR2B2: 3 - 9
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-C Aggregate Type: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Electronics/Fundamentals of Electronics • Exercise & Sports Science • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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
- Micron Scholarship
- Singapore Polytechnic Scholarship

CAREER OPTIONS

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

- AI Applications Developer who is able to integrate AI into other domain areas such as web technology, infocomm security, financial institution and public and private organisations that require AI technology
- Application Developer
- Associate AI DevOps Engineer
- Business Intelligence Specialist
- Data Analyst
- Data Scientist
- Data Engineer

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)**
  If you thrive on learning-by-doing, opt for this alternative learning pathway in Year 2 and Year 3. Instead of attending classes, gain module credits by working on real client industry projects.

+ **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.

+ **ACCELERATED PATHWAY PROGRAMME**
  Take up modules taught by Singapore University of Technology and Design (SUTD) or Singapore Management University (SMU) and complete your degree earlier.

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
- Elective 1
- Front-End Web Development
- Fundamentals of Computing
- Fundamentals of Programming
- Mathematics
- Programming for Data Analytics
- Statistics for Data Science

SECOND YEAR

- Agile MLOps
- Common Core Modules
- Data Engineering
- Data Structures & Algorithm
- Data Visualisation
- Deep Learning
- Elective 2
- Elective 3
- Mathematics for AI
- **Course Elective (Choose One):**
  - Big Data Technologies
  - Generative AI with Large Language Models
  - 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 Project INC.

THIRD YEAR

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

+ Year-Long Internship Pathway

- Year-Long Internship

+ University Pathway

- 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.

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Common ICT Programme

DCITP — S32

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.

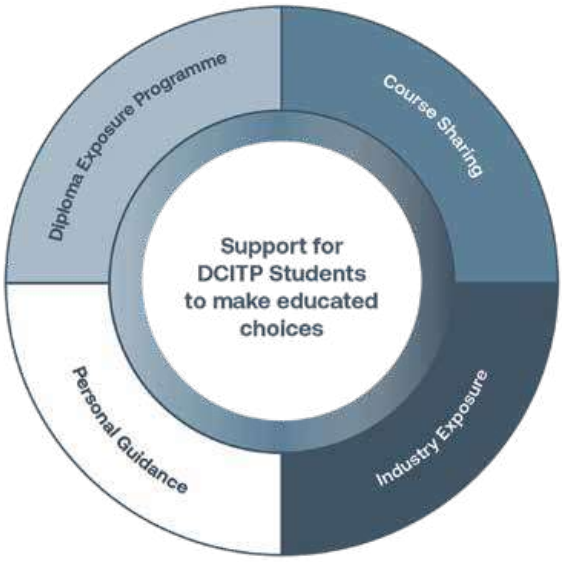
WHAT'S NEXT

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

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

WHAT YOU CAN EXPECT

- Gain insights to the three courses by exploring various modules uch as Front-End Web Development, Fundamentals of Computing and Fundamentals of Programming.
- Take part in the Diploma Exposure Programme, which includes a one-day event featuring course sharing, Q&A sessions, and hands-on activities aimed at providing a better understanding of the courses.
- Utilise Education and Career Guidance to identify your career goals, then select a course aligned with those goals. This involves gaining industry exposure through career talks and receiving guidance from your tutor.



ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5 – 14
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-C Aggregate Type: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Electronics/Fundamentals of Electronics • Exercise & Sports Science • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

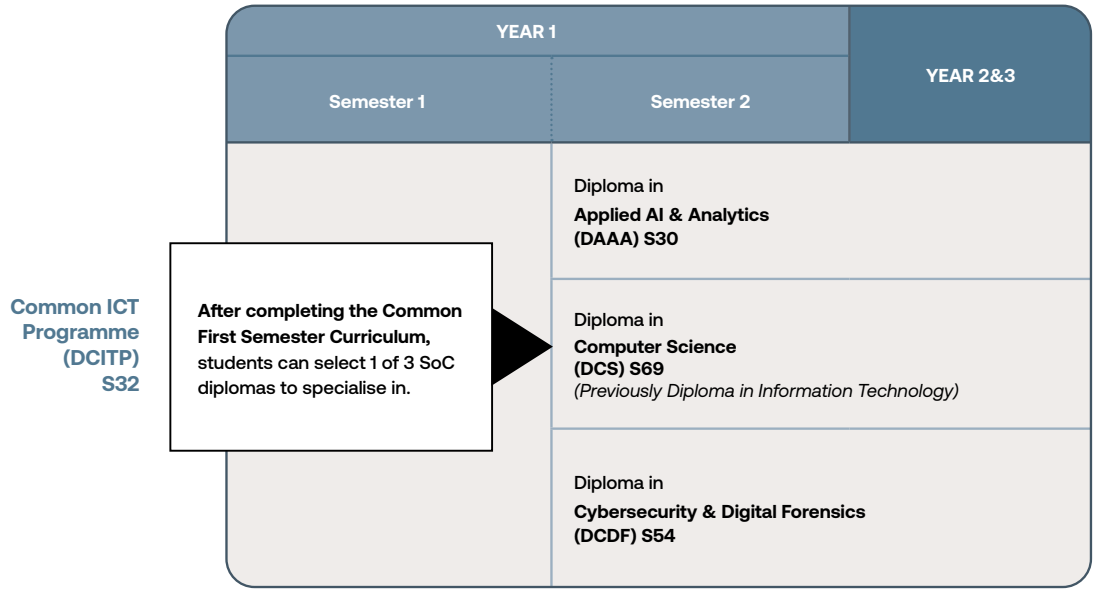
After my O-Levels, I was uncertain about my IT-related career path. DCITP provided a structured approach, allowing me to explore various diplomas within the School of Computing in the first semester, giving me the clarity I needed. I gained essential computing knowledge, forged lasting friendships, and 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
- Front-End Web Development
- Fundamentals of Computing
- Fundamentals of Programming
- Mathematics

ELECTIVES

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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

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)**
  If you thrive on learning-by-doing, opt for this alternative learning pathway and gain module credits by working on real industry projects.
+ **INDUSTRY CERTIFIED CURRICULUM (IC2)**
  Earn industry-aligned certifications and open doors to exciting career opportunities to pursue your passion.
+ **CYBER WARGAME CENTRE**
  Prepare for REAL cyberthreats through realistic scenarios recreated in this learning space.
+ **ACCELERATED PATHWAY PROGRAMME**
  Take up modules taught by Singapore University of Technology and Design (SUTD) or Singapore Management University (SMU) and complete your degree earlier.
+ **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 2025 JAE ELR2B2: 3 – 10
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
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CAREER OPTIONS

- Cyber Risk Analyst
- Forensic Investigator
- Incident Investigator
- Security Engineer
- Security Operations Analyst
- Vulnerability Assessment and Penetration Testing Analyst

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
- Digital Forensics & Investigation
- Elective 1
- Ethical Hacking Essentials
- Front-End Web Development
- Fundamentals of Computing
- Fundamentals of Programming
- Infocomm Security & Network Fundamentals
- Linux Administration & Security
- Mathematics

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)

- Offensive Security
- Industrial Control Systems Cyber Range Essentials

+ Cyber Defense Security (CDS)

- Cybersecurity Infrastructure
- 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 Pathway

- 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

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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

- Applications Developer
- DevOps Engineer
- Project Manager
- Scrum Master
- Software Engineer
- Software Quality Assurance Engineer
- UI/UX 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**

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

  - **Cloud Computing & Cybersecurity**

    Equip 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)**

  If you thrive on learning-by-doing, opt for this alternative learning pathway in Year 2 and 3. Instead of attending classes, gain module credits by working on real client industry projects!

+ **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.

+ **ACCELERATED PATHWAY PROGRAMME**

  Take up modules taught by Singapore University of Technology and Design (SUTD) or Singapore Management University (SMU) and complete your degree earlier.

DCS — S69

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5 – 16
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-C Aggregate Type: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Electronics/Fundamentals of Electronics • Exercise & Sports Science • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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
- 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 and Machine Learning
- Programming for Data Analytics

+ Cloud Computing & Cybersecurity
- Cloud Foundations and 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 Pathway
- 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.

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.

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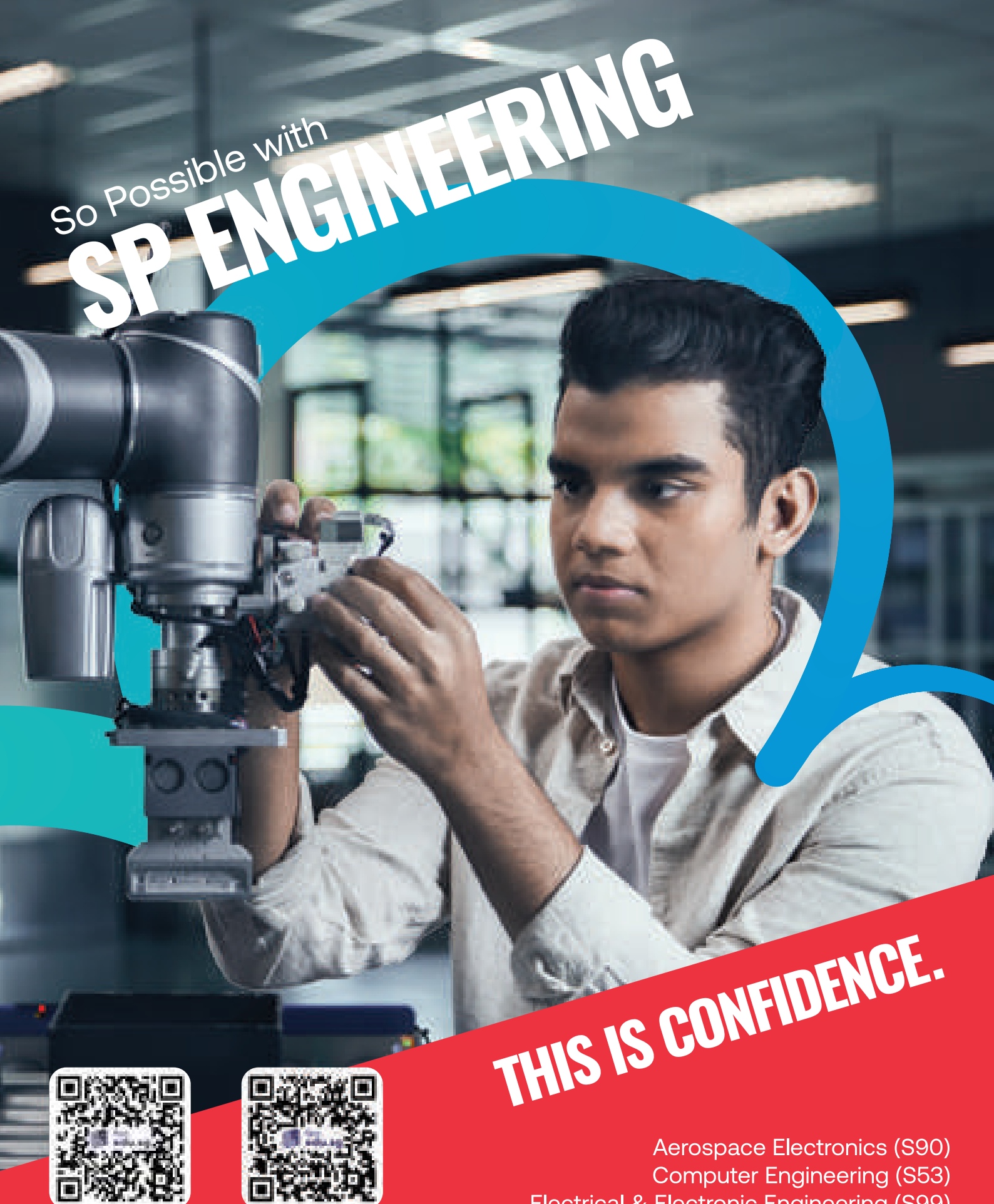
These modules help you understand real-world issues and the impact on different communities, and equip you with skills to create a better, sustainable Singapore and world.

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.



So Possible with

SP ENGINEERING

THIS IS CONFIDENCE.

Scan to learn more about **EEE**

Scan to learn more about **MAE**

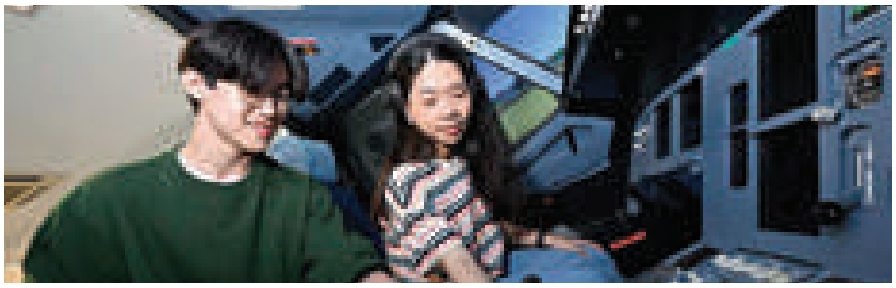
Aerospace Electronics (S90)
Computer Engineering (S53)
Electrical & Electronic Engineering (S99)
Engineering with Business (S42)
Common Engineering Programme (S40)
Aeronautical Engineering (S88)
Mechanical Engineering (S91)
Mechatronics & Robotics (S73)

SP Singapore Polytechnic

CONTENTS

Aerospace Electronics

DASE — S90



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 Aviation Management or choose from electives focused on **commercial pilot theory, unmanned aerial vehicle (UAV) flying,** and drone technologies 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** Accelerated Pathway Programme or **SP-SUTD** Accelerated Pathway Programme to get a head start in university life.

SCHOLARSHIPS

- A*STAR Science Award
- DSO Diploma Scholarship
- 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 New South Wales (Australia).

Diploma in Aerospace Electronics

Aligned to CAAS Singapore Airworthiness Requirements Part 66 & Aerospace Skills Framework

Aerospace Engineering (Avionics) + ICT in Emerging Technologies (Aerospace)

Aerospace Electronics (Avionics)

- Aircraft Communication & Navigation
- Aircraft Electrical System
- Aircraft Maintenance Practices
- Aircraft Instrument Systems
- Aircraft Servomechanism & Electronics
- Human Factors & Quality Systems

ICT in Emerging Technologies (Aerospace)

- Internet of Things
- Robotics
- Artificial Intelligence
- Cybersecurity
- Automation
- Data Analytics

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5 – 11
Aggregate Type: ELR2B2-C

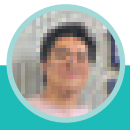
SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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 (Maintenance)
- Assistant Electrical Engineer
- Assistant Electronics Engineer
- Assistant Engineering Service Engineer
- Assistant Aerospace Sales and Marketing Engineer
- Assistant Technical Service Engineer
- Flight Operations Officer
- Licensed Aircraft Maintenance Engineer



At DSTA, my primary responsibility involves enhancing the training experience for Air Force Engineers through the design and development of a Mixed Reality Application using the Microsoft HoloLens 2. Having acquired C++ programming skills during my first year at SP, I found it immensely valuable in streamlining the development process for the Mixed Reality Application

Hansen Wee

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 learn ers, 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.

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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.

Computer Engineering DCPE — S53

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
- DSO Diploma Scholarship
- DSTA Polytechnic Digital/Engineering Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
- SP Engineering Scholarship

CAREER OPTIONS

- Assistant Computer Engineer
- Associate Security Engineer
- Cloud Engineer
- Embedded System Engineer
- IT Support Engineer
- Network Engineer/Administrator
- Software/Mobile Applications Developer

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** Accelerated Pathway Programme or **SP-SUTD** Accelerated Pathway Programme to get a head start in university life.

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.

1ST YEAR (Common)

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

2ND YEAR

Choose one path	
Computer Engineering & Software (CES)	**Computer Networking & Security (CNS)**
Core Modules: Engineering Mathematics, Statistics & Analytics, Cloud Foundations, ML & AI with Python [NEW], 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 [NEW]	IoT & Intelligent Systems [NEW]	Cloud Systems	Cyber Security	IoT & Intelligent Systems [NEW]	Cloud Systems

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 7 – 13
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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 completed my internship locally at A*STAR, Institute for Infocomm Research (I^2R). During my time there, I worked in the Cybersecurity department and contributed to a web application development project focused on incorporating cloud security. This experience provided me with the opportunity to explore cutting-edge cybersecurity methodologies and techniques, while also allowing me to work with multiple programming languages.

My experience at SP extended beyond academics, as I led key school events and actively contributed to various student clubs and volunteer initiatives. These experiences have been incredibly inspiring, motivating me to continue pursuing a career in cybersecurity and further develop my skills in this dynamic field.

Hoe Jotham

Lee Kuan Yew Award Recipient

Dell Technologies Gold Medallist

OCBC Prize Recipient

Renaissance Engineering Programme Scholar (NTU)

WHAT YOU'LL STUDY

Diploma in Computer Engineering

FIRST YEAR

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

SECOND YEAR

- Cloud Foundations
- ML & AI with Python [NEW]
- Common Core Modules
- Elective 1
- Elective 2
- Engineering Mathematics II
- Statistics & Analytics for Engineers

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

- DevOps for AIoT
- Full Stack Development
- Microcontroller Applications
- Mobile Applications Development

+ Computer Networking & Security (CNS) Path

- Computer Networking
- LAN Switching & Wireless
- Network Hacking
- Server Management

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

+ Computer Science [NEW] (For CES Path Only)

- Computer Architecture
- Data Structures & Algorithms [NEW]
- Deep Learning & Neural Networks [NEW]
- Quantum Computing [NEW]

+ IoT & Intelligent Systems [NEW] (For CES and CNS Paths)

- Edge Computing [NEW]
- Embedded Computer Systems
- Smart Systems Architecture [NEW]
- 5G & AIoT Applications

+ Cloud Systems (For CES and CNS Paths)

- Cloud Architecting
- Cloud Native Application Development
- DevOps for Networking
- Operating Systems

+ Cyber Security (For CNS Path Only)

- AI for Cybersecurity
- Cyber Security Operations
- Firewall Technologies
- Network Analysis & Forensics

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.

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.

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Electrical & Electronic Engineering

DEEE — S99

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**
  - **Communication**
  - **Microelectronics**
  - **Power**
  - **Rapid Transit Technology**
  - **Robotics & Control**
  - **Sustainable Energy**
- Join the **SP-NUS** Accelerated Pathway Programme or **SP-SUTD** Accelerated Pathway Programme to get a head start in university life.
- 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, PSA, Siemens, ST Electronics and CleanTech Solar.

SCHOLARSHIPS

- A*STAR Science Award
- DSO Diploma Scholarship
- 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
- Technical Officer

FURTHER STUDIES

You can gain **direct entry into the second year or equivalent** to pursue an EEE-related degree in local universities, such as NUS, NTU, SUTD, and SIT. 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

1ST YEAR

Common First-Year Modules (Domain, Math and Common Core)

2ND YEAR

DEEE Core Modules + Electives

3RD YEAR

DEEE 3rd Year Specialisations (Choose 1 specialisation)

Biomedical	Communication	Microelectronics	Power
Rapid Transit Technology	Robotics & Control	Sustainable Energy	

+ 22-Week Internship & Electives

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 4 – 16
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

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
- Biomedical Equipment & Practices
- Biomedical Instrumentation Design & Applications
- Robotics Technology

+ 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

+ Communication
- Digital Signal Processing
- Principles of Communication
- Satellite & Optical Communication
- Wireless Technology Applications

+ Robotics & Control
- Digital Manufacturing Technology
- Robotics Technology
- Smart Sensors & Actuators
- Systems & Control

+ Sustainable Energy
- Electric Vehicle Technology
- Hydrogren, 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.

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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.

Engineering With Business

DEB — S42

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.

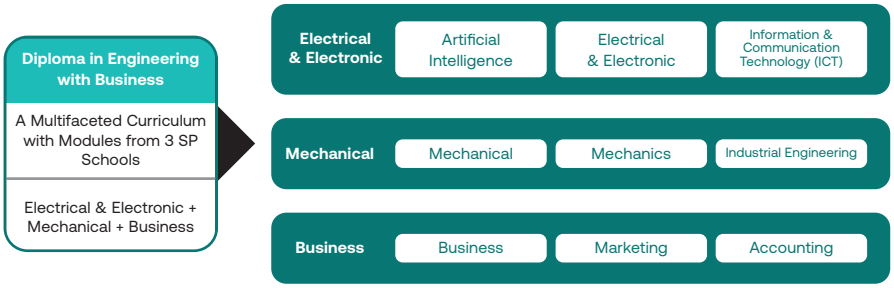
At NUS, you may receive **advanced placement credits (APCs)** in relevant modules for up to a maximum of 40 modular credits (equivalent to a year's worth of study).

CAREER OPTIONS

- Assistant Engineer (Product Design/Development)
- Assistant Engineer (Project)
- Business Development Executive
- Customer Relationship Management Executive
- Entrepreneur
- 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** Accelerated Pathway Programme or **SP-SUTD** Accelerated Pathway Programme to get a head start in university life.



ENTRY REQUIREMENTS

Range of Net 2025 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

- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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
- DSO Diploma Scholarship
- DSTA Polytechnic Digital/Engineering Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
- SP Engineering Scholarship

During my 22-week internship at DSO National Laboratories, I worked on cutting-edge projects that enhanced MINDEF/SAF's capabilities in physical and cyber domains. The DEB course at SP provided me with a strong multidisciplinary foundation, combining engineering, business, and leadership skills. This allowed me to contribute effectively to my team and present a prototype of a smart recycling machine using AI and 3D printing at the MRANTI World Engineering Day Challenge. My experience at SP also extended beyond academics, as I led key school events as President of EEE Ambassadors and volunteered locally and overseas. These experiences have shaped my passion for research and development in defence and security.

Tey Wei Jun Dillon
Lee Kuan Yew Award Recipient
Cisco Systems Gold Medallist
Alfred Robert Edis Prize Recipient
OCBC Prize Recipient
Sembcorp Marine Prize Recipient
Renaissance Engineering Programme Scholar (NTU)

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
- Artifical 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.

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 Engineering Programme DCEP — S40

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:

S88 Aeronautical Engineering[1]
S90 Aerospace Electronics[1]
S53 Computer Engineering[2]
S99 Electrical & Electronic Engineering[3]
S42 Engineering with Business[2]
S91 Mechanical Engineering[2]
S73 Mechatronics & Robotics[2]

1st Year, 1st Semester (Common)

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

MAE			EEE			
DARE S88	DME S91	DMRO S73	DASE S90	DCPE S53	DEB S42	DEEE 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 2025 JAE ELR2B2: 6 – 18
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

Note:

[1] 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.

[2] 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.

[3] 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.

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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.

Aeronautical Engineering DARE — S88

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.

Accreditation by the skills framework for the Air Transport and Aerospace Sector, ensuring that you'll 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 Airline Engineering Company. Through a design thinking approach, you will foster problem-solving and creativity through hands-on learning. For those who aspire to be an aircraft pilot or a CAAS-certified drone pilot, there are opportunities to take extra 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 2025 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: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

I serve as a Solutions Delivery Specialist at Satair, which is a fully owned subsidiary of Airbus. My primary responsibility involves ensuring the availability of materials and providing vital support to our customers during their maintenance operations. In addition to the classroom curriculum, SP maintains an ongoing and strong partnership with various industries to establish a holistic learning environment for students. My internship experience at Airbus Helicopters was the spark that ignited my passion for continuing my career in this industry.

Theresse Vanessa Pereira
Currently working at Satair Pte Ltd

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

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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.

Mechanical Engineering

DME — S91

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

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 Rapid Transit Engineer
- Assistant R&D (Research & Development) Engineer
- Assistant Tooling Engineer
- Bioengineering Technologist
- Medical Equipment Technologist
- Regulatory Affairs Specialist

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 3 – 16
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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 SIMTech (Singapore Institute of Manufacturing Technology), A*STAR, as part of my scholarship. I realised the significance of coding in Industry 4.0, despite it not being my favourite. The experience honed my skills in technical drawings, 3D modelling and 3D printing. I even got some of my designs fabricated by CNC machining! In research engineering and manufacturing, precision is vital, requiring many trial-and-error tests with 3D printed parts.

Kelly Tay Keli

DME Gold Medallist
Internship at Singapore Institute of Manufacturing Technology

WHAT YOU'LL STUDY

Diploma in Mechanical Engineering

FIRST YEAR

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

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

Starting in Year 2, students will specialise in 1 of the 6 listed specialisations.

+ 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
- Internship Programme/Internship Equivalent — FYP

+ Common To All Specialisations Except Biomedical Specialisation
- Fluid Mechanics
- Mechanics 3
- Workplace Safety & Health Management

+ Specialisation Modules (Choose One)

+ Automation & Robotics
- Programmable Logic Controllers
- Robotics for Advanced Manufacturing

+ Biomedical
- Assistive Technology & Rehabilitation Engineering
- Biofluids
- Biomechanics
- cGMP & Medical Device Validation
- Contamination Controls & Clean Room

+ 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

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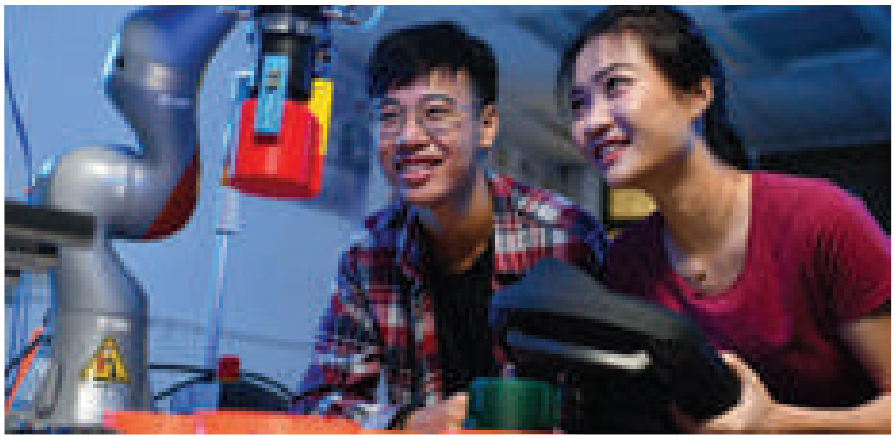
All students are required to take one compulsory Wellness for Life (WFL) module for one semester in their first year in SP. In their second and third year, students may sign up for WFL module as an optional module.

Mechatronics & Robotics DMRO — S73



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 the Diploma in Mechatronics & Robotics (DMRO), you will be equipped with mechanical engineering, electronics, and programming knowledge to design and build intelligent systems.

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:

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- 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 2025 JAE ELR2B2: 6 – 16
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

- Basic Mathematics
- Common Core Modules
- Computer Programming
- 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

- Common Core Modules
- Computer-Aided Machining
- Design & Fabrication Project
- Digital Electronics 2
- Engineering Mathematics 2
- Elective 1
- Elective 2
- Industrial Automation
- Mechanics 2
- Principles of Electrical & Electronic Engineering 2
- Statistics and Analytics for Engineers
- Thermofluids 2

THIRD YEAR

- Common Core Module
- Elective 3
- Mechanics 3
- Mobile Robot Application
- Internship Programme/Internship Equivalent — FYP
- Programmable Logic Controllers
- Robotic Integration & Programming
- Systems & Control
- Workplace Safety & Health Management

ELECTIVES

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So Possible with

MEDIA, ARTS & DESIGN SCHOOL

THIS IS CONFIDENCE.

Scan to learn more

Media, Arts & Design (S29):

Animation & Games
Creative Community Engagement with Psychology
Digital Media & Communications
Experience & Product Design
Sound & Music
Story & Content Creation
Visual Communication & Motion Design

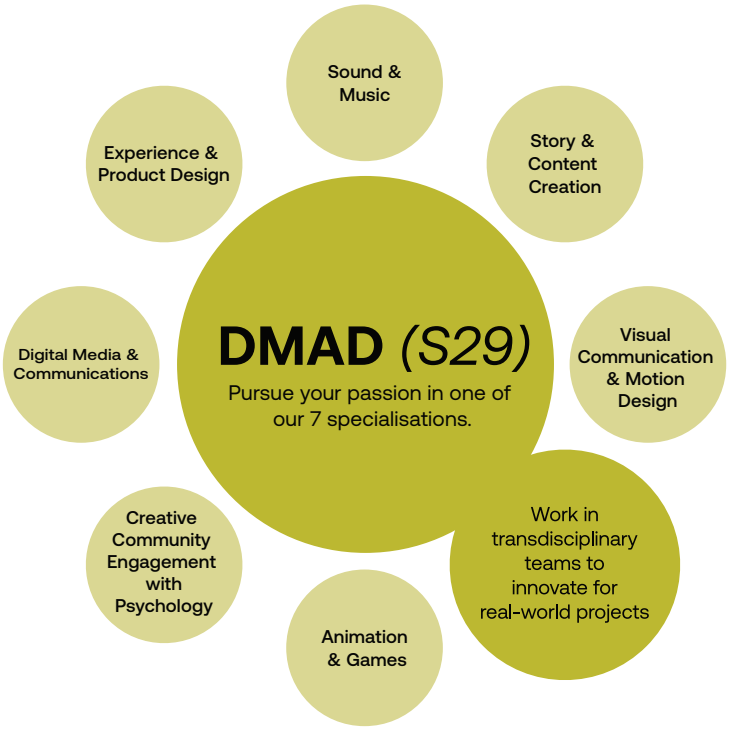
SP Singapore Polytechnic

CONTENTS

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 hands-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,*** *Email:* ***contactus@sp.edu.sg,*** *Website:* ***www.sp.edu.sg/mad***

LECTURER SPOTLIGHT

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!

Animation & Games

DMAD (AG) — S29

Diploma in Media, Arts & Design

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 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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? It's all about finding out more about them and empowering them to create change.

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

- Programme Development, Implementation and Evaluation
- Psychology
- Facilitation Skills
- Community Research
- 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
  - University of the Arts Singapore
+ **Overseas**
  - University of New South Wales
  - University of Melbourne
  - Monash University
  - Queensland University
  - University of York

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5-12
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 • Art • Business Studies • Combined Humanities • Economics • Geography • Higher Art • Higher Music • History • Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil) • Humanities (Social Studies, History/ Geography) • Intro to Enterprise Development • Literature in English/Chinese/ Malay/Tamil • Media Studies (English/Chinese) • Music	1 – 6

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

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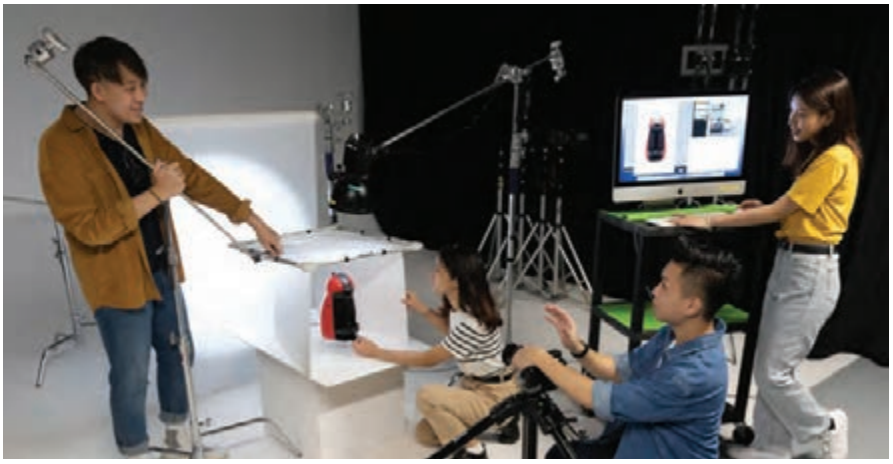
Digital Media & Communications

DMAD (DMC) — S29

Diploma in Media, Arts & Design



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

- Advertising and Public Relations
- Digital Content Creation and Writing
- Digital Marketing and Analytics
- Social Media Marketing
- Research and Strategy
- UX Design & Research
- Photography and Video Creation

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
- Singapore Institute of Technology
- Singapore Management University
- Singapore University of Social Sciences

+ Overseas

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

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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

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+ 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

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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

- User Experience (UX) Design
- User Interface (UI) Design
- 3D Modelling
- Design Research
- Creative Technology
- Service 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

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

+ Overseas

- Goldsmiths, University of London
- Loughborough University
- Queensland University of Technology
- University of the Arts London
- Imperial College London

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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

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+ 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

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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.

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Sound & Music

DMAD (SM) — S29

Diploma in Media, Arts & Design

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 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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

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+ 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
- Scoring for Visuals
- Tinker Lab
- Common Core Modules

THIRD YEAR

- Ensemble Lab
- Innovation Lab
- Internship Programme
- Portfolio Development
- Show Production
- Common Core Modules
- Elective 3

ELECTIVES

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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 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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
- Visual 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
- Creative Freelancing & Media Law
- Visual Storytelling
- Common Core Modules
- Sustainable Innovation Project
- Elective 2

+ Semester 2

- Entertainment Content Production
- Scripted Concept Development
- The Digital Journalist
- Tinker Lab
- Video Production for Narratives
- Common Core Modules

THIRD YEAR

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

ELECTIVES

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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 2025 JAE ELR2B2: 5-12
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

- Art
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Literature in English/Chinese/Malay/Tamil)
- Humanities (Social Studies, History/ Geography)
- Intro to Enterprise Development
- Literature in English/Chinese/ Malay/Tamil
- Media Studies (English/Chinese)
- Music

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 Adverting & 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

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+ 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

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So Possible with

SINGAPORE MARITIME ACADEMY

THIS IS CONFIDENCE.

for.edu.sg

Scan to learn more

Marine Engineering (S63)
Maritime Business (S74)
Nautical Studies (DAE)

SP Singapore Polytechnic

CONTENTS

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

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.

Nehemiah Soh
Diploma in Nautical Studies (DNS)
2023 SP Scholar

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.

Marine Engineering

DMR — S63

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.

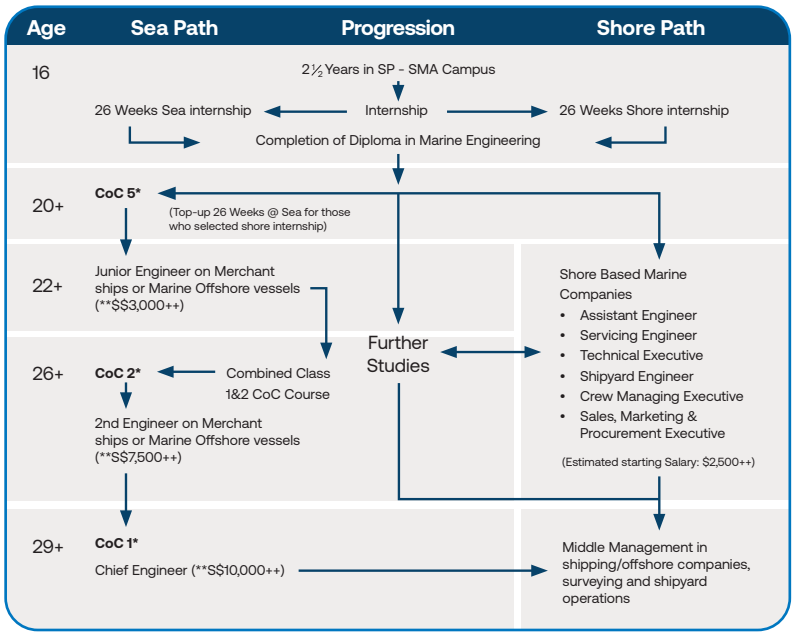
During your third year, you will have the opportunity to choose between a sea-going or shore-based route.

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).



** Internationally recognised professional qualification issued by MPA*

++ Tax free income plus paid leave

*** https://www.maritimeone.sg/article-detail/marine-engineer-officer*

ENTRY REQUIREMENTS

Range of Net 2025 JAE ELR2B2: 7 – 21
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Additional Mathematics/ Mathematics	1 – 6
Any one of the following subjects:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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

WHAT YOU'LL STUDY

Diploma in Marine Engineering

FIRST YEAR

- Applied Mechanics
- Basic Thermodynamics
- Basic Occupational Safety & Security Training
- Common Core Modules
- Electric Circuits
- Engineering Drawing
- Engineering Mathematics 1
- Marine Engineering Knowledge I & II
- Naval Architecture 1
- Workshop Practice 1 & 2

SECOND YEAR

- Applied Thermodynamics
- Auxiliary Machinery
- Computer Aided Design
- Common Core Modules
- Electronics
- Engineering Mechanics
- Engineering Maths 2
- Integrated Workshop Practice
- Instrumentation
- Marine Power Plant
- Naval Architecture 2
- Sustainable Innovation Project (SIP)

THIRD YEAR

- Common Core Modules
- Electric Machines & Systems
- Integration Control
- Marine Engine Room Simulation Training
- Marine Workshop Practice
- Basic Tanker Training (Sea)
- Naval Architecture Design & Project (Shore)
- Internship (Shore/Sea)

ELECTIVES

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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.

Maritime Business DMB — S74

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 2025 JAE ELR2B2: 6 – 16
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Additional Mathematics/ Mathematics	1 – 6
Any one of the following relevant subjects for the ELR2B2-C Aggregate Type: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Creative 3D Animation • Design & Technology • Electronics/Fundamentals of Electronics • Exercise & Sports Science • Food & Nutrition/Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	1 – 6

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

- Bunkering Practices
- Business Statistics
- Common Core Modules
- Financial Accounting in Shipping
- Financial Education 1
- Introduction to Maritime Industry
- IT & Data Analytics for Business
- Logistics Management
- Maritime Economics
- Maritime Personnel Management
- Port Operations
- Principles of Shipping Practice
- Ship Operations

SECOND YEAR

- Business Data Analytics
- Communicating for Project Effectiveness
- Financial Management in Shipping
- Financial Education 2
- Law of Carriage of Goods by Sea
- Port Agency
- Port Management (Elective 1)
- Sustainable Innovation Project (SIP)
- 26 + 1 — Week Internship Programme

THIRD YEAR

- Electronic Commerce
- Financial Education 3
- HSSE Management (Elective 3)
- Marketing of Shipping Services
- Marine Insurance
- Maritime Law
- Maritime Offshore Operations
- Marine Engineering Knowledge
- Ship Chartering Practices (Elective 2)
- Ship Management
- Ship Financing
- Supply Chain Management
- Final Year Project

ELECTIVES

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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.

Nautical Studies

DNS — DAE

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.

AGE	EDUCATION	SEA CAREER PATH	SHORE CAREER PATH
16	'O' Level • 18 months at SP • 12 months Sea Training • 6 months at SP		
20	Diploma in Nautical Studies (Plus International Class 3 CoC) → Sea Experience (12 months for Class 2 CoC Oral Exam) → Combined Class 1 & 2 CoC Course	Jr Officer on merchant ships or marine offshore & DP vessels (S$3,000++)	Executive in shipping port, pilot, surveying, marine offshore services → Further Studies
24	International Class 2 CoC → Sea Experience (24 months for Class 1 CoC Oral Exam)	Chief Officer (S$7,500++)	Middle Management in shipping, port, pilot, surveying, offshore services
27	International Class 1 CoC	Ship Master (S$10,000++)	

++ Tax free income plus paid leave

ENTRY REQUIREMENTS

Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Additional Mathematics/ Mathematics	1 – 6
Any one of the following subjects :	1 – 6
• Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	

- *Applicants must ensure that they have good eyesight (i.e. visual acuity unaided of 6/60 in both eyes and with visual aids of 6/6 in the better eye and at least 6/9 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.*

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.

Fadhli 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 Curriculum 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

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Scan here for more information about Life@SP!

Got what you need? Share this with your bestie or recycle it— either way, keep the good vibes going!

Information accurate as of Feb 2025

Follow us on social media for the latest happenings on campus, cool stories & lots of fun content!

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/singaporepolytechnic

www.sp.edu.sg

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 235,000 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.