YOUR COURSE GUIDE TO
THE RIGHT CHOICE
2024/2025

SP Singapore Polytechnic

**FIRST POLY
FUTURE INSPIRED**
EST 1954
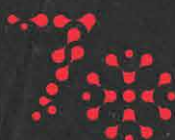
HEAR FROM OUR TOP GRADUATES!

> Growing up, I was always interested in pursuing medicine to become a cardiologist. Instead of spending my time and efforts studying about general subjects in JC, I knew I wanted to immerse myself in biomedical science to gain a greater understanding of health sciences. Apart from the learning content, what sets SP apart from the other polytechnics was the cardiac technologist specialisation offered by the Biomedical Science Course. This specialisation track provides students with multiple opportunities to learn from healthcare professionals during clinical attachments and classes. For this reason, I made the decision to apply for the course through the Early Admissions Exercise (EAE) as my first choice and thankfully was offered a place in the school.

JOTHAM WONG

Diploma in Biomedical Science (Class of 2023)
Bachelor of Medicine at National University of Singapore

- Course Gold Medallist
- Lee Kuan Yew Award
- Alfred Robert Edis Prize
- Harvard Book Prize

> Initially, I had no idea what I wanted to do after secondary school. I did not know what L1R5 meant until prelims and was merely following my friends' choices. However, amidst this uncertainty, one thing I was sure about was my passion for sharing meaningful stories about people. The turning point for this interest was when I was part of the EXCO of student leaders in my secondary school. While organising staff day celebrations, I took the initiative to create a unique video montage celebrating the unsung heroes of our school, injecting humour and a fresh perspective into their stories. This approach resonated with my teachers, who praised my storytelling style and encouraged me to pursue media studies in polytechnic. Their confidence in my ability as a confident speaker, based on my experience emceeing events in school, led them to strongly encourage me to apply, believing that I would thrive in a project-based curriculum. With my passion for storytelling and content creation, I confidently chose DMAD as my next educational endeavour after graduating from secondary school.

SARAH NAHAR

Diploma in Media, Arts & Design (Class of 2023)
Bachelor in Education Studies at University College London

- Chua Chor Teck Gold Medal

CONTENT

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www.sp.edu.sg

CELEBRATING 70 YEARS OF SP

In 2024, Singapore Polytechnic proudly commemorates its 70th anniversary, marking a remarkable journey of educational advancement. Throughout, SP stands at the threshold of a new era in education. Over the years, this institution has continuously evolved to meet the changing needs of learners and demands of the working world. As it celebrates seven decades of innovation and excellence, SP remains steadfast in its mission to prepare students to be life-ready, work-ready, and world-ready. This milestone not only honours the past, but also symbolises a future filled with dynamic possibilities and contributions to education and society. Let's take a look at the evolution of SP over the years and how it readies students for what lies ahead.

Food Innovation and Resource Centre (FIRC)

Launched FIRC, as a joint initiative with Enterprise Singapore, to provide food enterprises with holistic technical solutions in food product development

1979

2000

2004

2007

2010

Campus Opening

The official opening of Singapore Polytechnic's Dover Road campus on 7 July 1979

Blackboard

Introduced staff and students to the first online learning management system platform in Singapore called 'Blackboard'
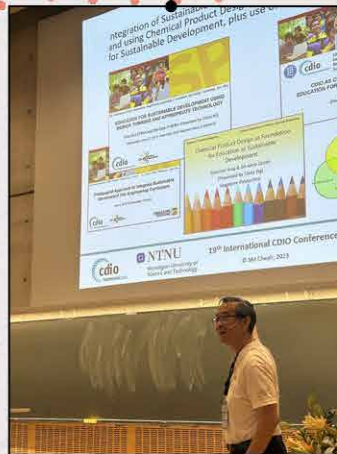
Conceive-Design-Implement-Operate (CDIO)

First educational institution in Singapore to join the CDIO Worldwide Initiative which seeks to make engineering solutions more hands-on and people-friendly

Source: Ministry of Information, Communications and the Arts Collection, courtesy of National Archives of Singapore

President's Award for the Environment (PAE)

Recognised as the first polytechnic in Singapore to receive the President's Award for the Environment from late President S R Nathan

Learning Express (LeX)

A 12-day cultural immersion experience in which students work as a multidisciplinary group to address societal issues in local communities in Asia

Electives

The Elective Framework was introduced to provide all students with educational experiences aligned with SP's aspiration of developing self-directed, versatile lifelong learners

Continuing Education and Training (CET)

Achieved five-year goal of doubling CET hours at the end of FY2021, with 2.13 million trainee-hours

2012

2019

2021

2017

2020

2023

Industry Co-location

A conscious strategy to expand the footprint of industry on campus where the industry partners co-locating facilities on campus rose from six in 2018 to 28 today

Flipped Learning

The blend of online and in-classroom learning allows learning to become more interactive and self-directed

Scan here for our e-book and discover what makes SP a poly 'For All Ages'!

Common Core Curriculum (CCC)

Conceived to help students develop foundational core skills to serve them well, regardless of the industry they will join

GoGreen Forum

Staff and students pledged to be Contributors, Advocates or Champions, as part of the Ministry of Sustainability and the Environment (MSE) Green Nation Pledge exercise

TOP 7 REASONS WHY YOU SHOULD CHOOSE SP

EST 1954
500 DOVER ROAD

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, among the first in the world to implement flipped learning at the institutional level, and the trailblazer among the polys to adopt Business Design. These pioneering initiatives set the standard for a top-tier education and industry-shaping Institute of Higher Learning (IHL).

NETWORK WITH THE INDUSTRY'S BEST AND CONNECT WITH SINGAPORE'S LARGEST POLY ALUMNI

At SP, we prioritise industry engagement to develop your professional network and prepare you for successful careers. Gain firsthand exposure to industry-leading companies, where you will work on real client-paid projects to equip you with practical skills and invaluable industry connections. As an SP alumnus, you are also part of our family of over 230,000 accomplished professionals, CEOs and Directors, including experts in engineering, medicine, architecture and more, providing you with an expansive network for ongoing success.

CUSTOMISATION OF YOUR LEARNING EXPERIENCE: OVER 100 ELECTIVE MODULES

We are the first polytechnic to introduce a fully customised elective programme. In addition to your core diploma modules, seize the opportunity to handpick from an astounding selection of over 100 electives. Fuel your passions, deepen your expertise, and unlock a world of possibilities, all while potentially earning additional certificates and minors to supercharge your academic and career horizons.

FAST-TRACK
YOUR DEGREE: SAVE UP TO A YEAR OR MORE

We recognise that all our students are unique individuals with diverse needs and aspirations. If you aspire to further your studies at a university, you could earn credit exemptions or gain an advanced standing of up to 1 year or more in some universities. For those with the bandwidth for accelerated learning, we've got you covered too! You may study university modules during your time in SP that will lead you into some of the top local universities, such as NUS, NTU, SMU and SUTD!

GLOBAL EXPOSURE TO BROADEN YOUR HORIZONS

Embark on transformative overseas internships and immersion programmes spanning two weeks to six months to ASEAN countries, China, India, Australia, and beyond! Immerse yourself in diverse cultures, gain invaluable international experience, and enhance your skills in a global context.

DOVER MRT!

CONVENIENCE & ACCESSIBILITY
LIKE NO OTHER!

We're the only polytechnic in Singapore to be connected directly to an MRT station (Dover MRT). Rain or shine, getting to campus is a breeze! You will also find many dining, shopping and entertainment venues nearby, adding convenience and excitement to your campus experience.

DIVERSE CCAS
TO CULTIVATE YOUR INTERESTS

SP's wide array of CCAs offer you both a stage to showcase your unique talents and skills, locally and overseas, and an avenue to explore any areas of interest you may have. Join a CCA, connect with like-minded peers, and embark on an enriching journey as we foster and support the holistic development of students beyond the classroom!

FROM BOOKS TO BEAKERS:

A Day in the Life of a Common Science Programme (CSP) Student

Poly life's more than just lectures and hitting the books! Meet Laura, our CSP student, as she takes you on an exhilarating journey through a typical day at SP! It's all about those vibes and experiences that take you from zero to a hundred real quick.

8AM:

Where Science Gets Real

Rise and shine! Diving straight into hands-on lab experiments and turning theory into reality in the morning lab hustle.

11AM:

The Face-Off

We had an intense debate during our Common Core Curriculum (CCC) module, 'Thinking Critically about UN SDGs' where we discussed on the topic of "Should foreign talents stop working in Singapore?"

Psst... did you know that SP's CCC modules are compulsory for all Year 1 students? It allows our SP students to build broad-based interdisciplinary skills and values, which readies them for the future of work.

12NOON:

Tick Tock, Time to Nom!

Time to recharge, and what's on the menu? My favourite food from Food Court 3: Pasta!

Fun fact: Did you know that SP boasts not one, not two, but six vibrant food courts, not to mention popular joints like McDonald's, KFC, and Subway! It's like a never-ending buffet of options that picking just one thing becomes a legit struggle.

6PM:

Dinner at FC4

Grabbing dinner at Food Court 4 before I end the day with my CCA friend from the SP Students' Union (SPSU)! With my energy replenished, I gear up for the highlight of my evening – emceeing for SPSU's Annual General Meeting.

3PM:

Time For The Grind

Mid-day study break time! Decided to take a break at Starbucks with the bestie to catch up on projects and homework.

Wednesdays are special here, with a free drink upsize promotion that attracts a crowd!

1PM:

Presentation

We then had a risk evaluation assessment presentation for our Chemical & Biosafety module. Presentations are not uncommon in SP as we work on group projects during the semester before presenting our ideas nearing the end of sem! It's definitely the busiest period of the sem as we all hustle for presentations and exams.

7PM:

SPSU AGM (SP Students' Union Annual General Meeting) Emcee

It was my first time emceeing for an SP event and I was pretty nervous! Thankfully, everyone was super chill and I had so much fun during the meeting with my co-emcee.

Thinking of which CCA to join? Don't worry, SP's got a lit line-up spanning from arts and culture to sports and adventure, service learning, and a variety of special interests, all waiting for you to explore - there's something for everyone!

NURTURING TOMORROW'S LEADERS

In SP, we embrace the belief that leadership knows no bounds. We believe in nurturing our students who have the leadership potential to become well-rounded individuals committed to serving their community even beyond their time at SP. Through our leadership and development programmes like LEAP (SP Student Leadership Programme), EDGE Programme and SPOT (SP Outstanding Talent), get ready to embark on a transfomative journey that will equip you with the tools and values needed to become the leaders of tomorrow.

Adrian Chan

EDGE

DIPLOMA IN INFOCOMM SECURITY MANAGEMENT (DISM)

The EDGE Programme enabled me to grow into a confident, holistic and empathetic individual. Their current affairs workshops equipped me with a well-rounded worldview, where I was able to discuss, work together with, and hear the perspectives of other students, allowing me to gain critical thinking skills. These skills have proven to be instrumental in my growth, empowering me to take on great challenges in my life! Overall, with priceless opportunities and beyond-book lessons, I'd say that my experience in EDGE was life-changing. The constant work that the staff put in so that we students can realise our potential is nothing short of amazing!

Jamie Yau

SPOT

DIPLOMA IN BUSINESS ADMINISTRATION (DBA)

Through SPOT, I've developed a personal trait thanks to the supportive student-lecturer community that provided unique experiences and meaningful conversations. This programme improved my storytelling, communication, and listening skills, and reshaped my values towards meaningful learning and community building. Memorable opportunities like YMAC (Youth Model ASEAN Conference) and i-Mentoring gave me valuable leadership skills, lifelong friendships, and life-changing mentorship. SPOT made me curious about diverse fields beyond my business background, inspiring me to pursue an unconventional major in integrative studies.

Shean Buligis

LEAP

DIPLOMA IN MEDIA, ARTS & DESIGN (DMAD)

LEAP had been a transformative experience, equipping me with essential skills while serving as SP's Strictly Dance Zone's President. It has enabled me to lead effectively and foster productive interactions with a diverse range of individuals. The programme's key activities opened up valuable opportunities for me to apply leadership skills, but what truly stood out were the supportive sharing sessions. In these moments of vulnerability, like-minded leaders came together, forging lasting connections. Overall, my LEAP journey has been exceptionally positive, connecting me with peers and nurturing the collective growth of our leadership skills.

Broaden Your Horizons through Global Adventures

BOARDING PASS

From	To	Gate
SP ✈	NEW EXPERIENCES	1A

Dario Teh
Yogyakarta Learning Express (LeX)

What We Did

I forged close bonds with my buddies from UPN Veteran Yogyakarta and learned about their culture and way of life. Together, we applied design thinking to develop a product prototype made with salak fruit to improve the lives of Pulesari Tourist Village residents!

What We Learnt

I learnt I should never take anything for granted and be grateful for everything I have in my life. It is important to appreciate the people and things around me, and always be mindful of the present moment to cultivate a sense of fulfilment and contentment.

My Favourite Memory?

My fondest memory would definitely be the river trekking adventure at Pulesari Tourist Village! It was a unique and exhilarating experience, and braving the river current and obstacles alongside my friends made it unforgettable.

How has your course/learning helped in your trip?

The skills acquired from my course (Diploma in Applied Artificial Intelligence and Analytics) enabled me to identify viable solutions to our team's problem, craft compelling proposals, and pitch our idea effectively during the gallery walk, supported by valuable data and persuasive storytelling.

Shamaail Latif
Chiang Mai Learning Express (LeX)

The trip to the village of Don Luang opened my eyes and taught me to be appreciative of what I have in Singapore. Despite the language barrier with our Thai buddies, we were able to connect perhaps due to our close age difference!

How has your course/learning helped in your trip?

My team had the opportunity to utilise Design Thinking Tools from our SIP lessons to propose solutions to the villagers on how to revitalise their village. We were able to showcase our prototype during the Gallery Walk and share our solutions and insights gathered from the village.

My Favourite Memory?

My fondest memory is how I expanded my social circle not only with the SP students but also with the Thai students. We're still in contact! This trip has also undoubtedly improved my interpersonal skills and most importantly, we got things done while having fun!

Here at SP, we open doors to a world of endless possibilities! We are thrilled to offer you an unparalleled experience of global exploration and exposure. Learning goes beyond the confines of classrooms and textbooks. Our overseas programmes, such as internships and service trips will broaden your horizon, allowing you to embrace diverse cultures and develop a global perspective.

Dillon Tey
Chiang Mai Youth Expedition Project (YEP)

Teaching and Challenges

We planned and taught high school students about online scam awareness and leadership. Despite the language barrier, I was able to communicate with them by hand gestures and it was rewarding when they laughed, clapped and took photos after the class!

Culture Exchange and Learning Points

Beyond class, we led a cultural exchange through food and games. We introduced our traditional local game, Chapteh, which the students enjoyed tremendously. Our group grew from 5 to 30 within minutes and it was heartwarming to witness their inclusive and caring nature, as they taught their friends who were slower in learning.

Warm Hospitality

Amidst teaching and games facilitation, a touching incident occurred. Our buddies led us to discover authentic Thai Milk Tea in the school cafeteria. One day, our entire YEP team rushed down eagerly during lunch, only to find it sold out. Disappointed, we returned to teach. To my surprise, during my class setup, my buddy Pare surprised me with the milk tea she bought outside, displaying warm hospitality and fostering gratitude in this foreign land.

Appreciation of Singapore Home

We met one of the students from the rural high school where his family was living in a small, single-storey kampong house with little ventilation and the gruesome heat radiating within. They lived within their means and sold chicken livestock to make ends meet. It was a heartfelt moment where I reflected upon my own life and truly appreciated what I have back in Singapore.

Last Day at Orphanage

The kids at the orphanage participated in all our activities with such enthusiasm and I was extremely elated to have been given the opportunity to meet and interact with them. On the last day, we exchanged gifts, and I was in awe that they had prepared hand-drawn Christmas cards for us. Our time at the orphanage was short-lived but memorable.

Key Takeaway

This transformative 11-day programme has shaped me into becoming a more compassionate and community-oriented individual.

At every step of this remarkable adventure, I found invaluable learning opportunities—from the pre-trip bonding sessions which fostered camaraderie, to the rewarding challenges of facilitating activities at night. This experience has been a crucible for honing my leadership skills, understanding team dynamics, and discerning the unique needs of diverse communities.

2023 JAE ELR2B2

Have a dream course in mind? Wondering if you qualify? Here is the range of net JAE ELR2B2 for your seniors who enrolled into SP through the 2023 JAE.

The ELR2B2 refers to the aggregate score of the English Language, two relevant subjects and two other best subjects.

APPLIED & HEALTH SCIENCES	COURSE CODE	Range of Net 2023 JAE ELR2B2
Applied Chemistry (DAPC)	S64	4 – 9
Biomedical Science (DBS)	S98	3 – 7
Chemical Engineering (DCHE)	S70	7 – 14
Common Science Programme (DCSP)	S28	3 – 10
Food Science & Technology (DFST)	S47	4 – 11
Optometry (DOPT)	S67	6 – 14
Perfumery & Cosmetic Science (DPCS)	S38	6 – 11

BUILT ENVIRONMENT		
Architecture (DARCH)	S66	3 – 16
Civil Engineering (DCE)	S68	8 – 26
Facilities Management (DFM)	S95	13 – 22
Interior Design (DID)	S89	8 – 16
Integrated Events & Project Management (DEPM)	S50	5 – 17
Landscape Architecture (DLA)	S94	11 – 17

BUSINESS MANAGEMENT		
Accountancy (DAC)	S75	4 – 12
Banking & Finance (DBKF)	S76	3 – 11
Business Administration (DBA)	S71	6 – 12
Common Business Programme (DCBP)	S31	5 – 13
Human Resource Management with Psychology (DHRMP)	S48	4 – 12

ENGINEERING		
Aeronautical Engineering (DARE)	S88	4 – 16
Aerospace Electronics (DASE)	S90	5 – 14
Common Engineering Programme (DCEP)	S40	4 – 19
Computer Engineering (DCPE)	S53	3 – 12
Electrical & Electronic Engineering (DEEE)	S99	5 – 17
Engineering with Business (DEB)	S42	6 – 11
Mechanical Engineering (DME)	S91	6 – 19
Mechatronics & Robotics (DMRO)	S73	5 – 15

INFORMATION & DIGITAL TECHNOLOGIES		
Applied AI & Analytics (DAAA)	S30	4 – 10
Common Infocomm Technology Programme (DCITP)	S32	3 – 14
Cybersecurity & Digital Forensics (DCDF) *NEW!	S54	5 – 12
Information Technology (DIT)	S69	4 – 15

MARITIME STUDIES		
Marine Engineering (DMR)	S63	7 – 26
Maritime Business (DMB)	S74	10 – 18
Nautical Studies (DNS)	DNS	Offered Under DAE

MEDIA, DESIGN & HUMANITIES		
Media, Arts & Design (DMAD)	S29	3 – 13

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

CHOOSE YOUR OWN SP ADVENTURE

Don't know which SP course to choose? Narrow it down by answering a few questions based on your interests and strengths.

WOULD YOU RATHER...

POLY

Spend your time on acquiring skill mastery and gain opportunities for real world learning

Joining a polytechnic will empower you to do so.

At SP, we are here to equip you with the skills needed for specific careers and provide you with the opportunities to solve real-world problems through our curriculum, including an extensive internship programme. Create the world you want to live in with like-minded peers by choosing SP.

VS

JC

Spend your time on academic pursuit and explore your interests

Joining a junior college will allow you the time to discover what you want to be or how you want to contribute to the world.

You will have the chance to explore more varied academic subjects.

How would you describe yourself?

"Arts-y"

"Business-y"

"Science-y"

"Arts-y"

- More into designing and crafting
  - Rather design and build something physical → **Architecture & the Built Environment**
  - Rather design and build something virtual → **Media, Arts & Design**
- Love stories and drama

"Business-y"
I want to learn everything related to business

- Yes → **Business**
- Only interested in logistics → **Singapore Maritime Academy**

"Science-y"
What are your favourite subjects?

- Chemistry
- Biology
- Physics
- Math
- Computer Studies

Which area of study interests you most?

- Maritime studies, Shipping → **Singapore Maritime Academy**
- Chemistry, Biology, Applied Sciences → **Chemical & Life Sciences**
- Robotics, Aircraft and Devices → **Mechanical & Aeronautical Engineering**
- Computer, Power, Systems and Tele-communications → **Electrical & Electronic Engineering**
- **Computing**

Find out more about the Diploma courses offered by the various schools in SP to make an informed decision.

TIPS FOR A SUCCESSFUL APPLICATION

Congratulations on receiving your 'O' level results! If you're uncertain about your next steps, don't worry – we're here to help. Before making any decisions, ensure you review Form A, which contains your GCE 'O' Level examination results, aggregate scores, course codes of all the courses you can apply for in JAE. Keep in mind that you shouldn't rule out a course simply because your ELR2B2 score doesn't match the previous year's aggregate score range (ELR2B2). The previous year's ELR2B2 aggregate score range should only serve as a guide.

Here's how to boost your odds of securing a spot in your dream course! (Psst... SP's diploma courses are listed with a prefix 'S'.)

2

START!

1

HOW TO CALCULATE YOUR NET ELR2B2 AGGREGATE SCORE?

3

| Net ELR2B2 Aggregate Score | Gross ELR2B2 Aggregate Score | CCA Bonus Points |

4

Net ELR2B2 Aggregate Score = Gross ELR2B2 Aggregate Score - CCA Bonus Points

CCA Grade	Excellent (A1-A2)	Good (B3-C6)
CCA Bonus Points	2 points	1 point

5

HOW TO RANK YOUR CHOICES?

First 4 choices:
List your dream courses here, regardless of whether you've met the ELR2B2 aggregate score.

Next 4 choices:
Pick courses that you're interested in and stand a good chance of getting into. Your net aggregate score should be close to the ELR2B2 range.

Last 4 choices:
Choose courses you are confident of securing, where the net ELR2B2 score is higher than your aggregate score.

6

TIP!
Maximise your chances by filling in all 12 choices and include backups. Even if you feel confident about your preferred course, it's always wise to have contingencies!

7

8

GOOD LUCK
and we hope to see you in SP!

We made it to SP!

WANTED:
THE NEXT BATCH OF SP SCHOLARS

At SP, we recognise excellence. That is why we have scholarships and programmes for all types of achievements:

- SP SCHOLARSHIP
- SP ENGINEERING SCHOLARSHIP
- SP ARTS SCHOLARSHIP
- SP SPORTS SCHOLARSHIP
- PFP STUDY AWARD
- SP OUTSTANDING TALENT PROGRAMME (SPOT)
- EDGE PROGRAMME

Be your best, because you can.

There are also diploma-specific scholarships you can apply for. Details can be found on the respective course pages.

Scan here for the full list of scholarships available

SP SCHOLARS 2023

FINANCIAL SUPPORT; WE ARE HERE FOR YOU

Not to worry, SP has a whole range of financial support schemes that can help you pay for your tuition fees and defray your expenses as a student.

All students who have been admitted into SP should apply for the Tuition Grant. Other financial schemes that you can apply for:

1. **MENDAKI TERTIARY TUITION FEE SUBSIDY:**
Open to students who are Malay or have Malay as their first component of their double-barrelled race (e.g. Malay-Indian or Malay-Chinese).

2. **MOE POST-SECONDARY EDUCATION ACCOUNT (PSEA):**
Request to use funds in your/your siblings PSEA account to pay for your tuition fees.

3. **CPF EDUCATION LOAN SCHEME:**
Loan from your own or your parents' CPF savings to pay for your tuition fees.

4. **TUITION FEE LOAN:**
A loan that can cover up to 75% of your tuition fees.

TUITION FEES

Scan here for annual fees payable

SCHEMES THAT COVER TUITION FEES

Scan here for full details

BURSARIES

DONORS - SPONSORED BURSARIES

Each year, hundreds of bursaries are given out through this scheme funded by donations from organisations and individuals. Awards range from $1,000 — $5,000. Scan the QR code to view the full list.

Other bursaries include MOE funded schemes such as the Higher Education Community Bursary or Higher Education Bursary. There is even a subsidy to offset the cost of your notebook purchase in your first year!

SCHOOL OF
ARCHITECTURE & THE BUILT ENVIRONMENT

Creating a Sustainable Future

Welcome to the School of Architecture & the Built Environment (ABE), where you shape city skylines, design futuristic spaces, and create vibrant environments.

With a legacy since 1958, ABE is a leading institution, prioritizing student-centered learning and fostering creativity. Partnering with industry professionals, we offer immersive experiences, real-world projects, and valuable industry insights.

Our commitment to sustainability empowers you to implement energy-efficient solutions, contributing to a healthier planet.

Gain the necessary skills for a future where sustainability is essential for success. Unleash your imagination and join us at ABE for an exciting journey of innovation and architectural excellence.

WHY ABE?

ABE trains our students to be creative and competent in making Singapore a great city to live, work and play in.

Learning journeys in ABE also stretch beyond Singapore's shores through overseas study trips, internships, competitions and community service trips to inculcate a global mindset in our students.

You'll have access to our top-of-the-line learning facilities at ABE, such as:

+ **The Digital Building Innovation Centre (DBIC):** Launched in 2019, it supports the industry's efforts in digitalisation

+ **The Event Hall (Upcoming in 2024):** Prepares students with skillsets to be involved in the full spectrum of hybrid events

+ **The Smart Facilities Learning Lab:** A prototypical showcase for research, teaching, and learning

+ **The fabSTUDIO:** A digital fabrication facility with a wide range of state-of-the-art equipment

+ **The Robotic Manufacturing Lab:** Provides a platform for industry collaboration and knowledge transfer

+ **The Advanced Design for Manufacturing Lab:** Advancing robotics and digitalisation through collaboration with Superstructure

So, are you ready to take on the challenge in transforming our living spaces into a great city to live, work and play in?

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

School of Architecture & the Built Environment
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/abe

Full-Time Diploma Courses

- **ARCHITECTURE (S66)**
- **CIVIL ENGINEERING (S68)**
- **FACILITIES MANAGEMENT (S95)**
- **INTERIOR DESIGN (S89)**
- **INTEGRATED EVENTS & PROJECT MANAGEMENT (S50)**
- **LANDSCAPE ARCHITECTURE (S94)**

Scan here to find out more about ABE!

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, livable 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.

- An 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

CAREER OPTIONS

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

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 3 – 16
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 7
Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:	1 – 6

- 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)

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 SCFD 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

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 stressing 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 (CCS) that are aligned with the Skills Framework for the Built Environment.

- 22-week internship programme to apply classroom learning to real life projects and to develop professional skills.

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 2023 JAE ELR2B2: 8 – 26
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
- SP Engineering Scholarship
- Yogarajah Scholarship and Bursary Fund

In my role as an engineering trainee, I provided support to my team leader in the field of engineering design. Looking back on my internship, I've gained valuable experience in engineering design and expertise with various software tools. This experience allowed me to develop a deep appreciation for the process of creating blueprint drawings and understanding how they serve as the foundation for constructing physical structures.

Yip Wen Xuan
DCE Gold Medallist
Internship at DP Engineers

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.
- Participate in immersive out-of-classroom projects and gain practical knowledge about the industry through site visits.
- Develop professional skills in a 22-week 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.

SCHOLARSHIPS

- Singapore Polytechnic Scholarship

CAREER OPTIONS

- Smart Building & Facility Management Ecosystem Executive
- Building Executive
- Contracts/Procurement Executive
- Customer Service Executive
- Facilities Executive
- Fire Safety Manager
- Operations Executive
- Project Coordinator
- Property Executive
- Safety and Security Officer
- Strata Executive

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 13 – 22
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:	1 – 6

- 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)

My internship was truly enlightening, thanks to the interactions with colleagues and the mentorship I received. The internship revealed how these diverse knowledge areas taught in school seamlessly intersect in the real job. There are no individual silos and this has led me to think critically on how to best apply the different knowledge bases to best perform on the job.

Ng Ding Yao
DFM Gold Medallist
Internship at Sentosa Development Corporation (SDC)

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

- 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

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

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 Gold Medallist
Internship at WY-TO Singapore

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, digitalization, 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.

SCHOLARSHIPS
- Sands Hospitality Scholarship
- Singapore Polytechnic Scholarship

FURTHER STUDIES
You can gain entry to a relevant degree program from local and international universities. The strength of your DEPM diploma can open doors to advanced standing opportunities from reputable international universities and module exemptions from local universities.

WHAT YOU CAN EXPECT
- Acquire hands-on experiences through planning and managing school-events and real-life industry projects such as Go Green SP (Singapore Polytechnic, Industry and Partnership), Global Connect Networking events (Singapore Business Federation), Getactive! Singapore Sport Festivals (Team Nila (Sport Singapore), Pan Pacific Connections Appreciation Event (Parkroyal Collection) and Harrowing Halloween 3 (Singapore Discovery Centre).
- 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.

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 2023 JAE ELR2B2: 5 – 17
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:	1 – 6

- 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)

> 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)

LANDSCAPE ARCHITECTURE
DLA – S94

Designing Outdoor Spaces for Social Wellbeing

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

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

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

FURTHER STUDIES

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

WHAT YOU CAN EXPECT

- Students from the Diploma in Landscape Architecture share the first year Common Foundation Programme with the Diploma in Architecture and Diploma in Interior Design students.

- Experience hands-on design processes in landscape architecture and master digitalisation skills for seamless communication and construction.

- Deepen your plant knowledge and learn to integrate greenery using cutting-edge landscape technologies.

- Engage in project-based courses that mirror professional workflows and receive valuable critiques for real-world assessments.

- Gain practical industry experience through internships with structured learning outcomes.

SCHOLARSHIPS

- Singapore Polytechnic Scholarship

CAREER OPTIONS

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

ENTRY REQUIREMENTS

Range of Net 2023 JAE ELR2B2: 11 – 17
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 7
Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:	1 – 6

- 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)

During my internship, I acquired skills in creating educational signages, 3D modeling, generating realistic photo renders, and contributed to the design of rain gardens and various spaces. Some of the tasks I worked on during my internship were covered in school and hence this boosted my confidence in delivering high-quality work for the company. Additionally, site visits organized by HDB provided me with a deeper understanding of the theories I had learned in my lectures, making it easier for me to bridge the gap between academic knowledge and practical application in the workplace.

Chin Zhao Hui, Victor
DLA Gold Medallist
Internship at Housing & Development Board (HDB)

LECTURER'S SPOTLIGHT

Only 8 outstanding educators in Singapore received the President's Award for Teachers 2023 and our Assistant Director at SP is one of them!

The President's Award for Teachers (PAT) recognises excellent educators for their role in moulding the future of our nation. Here's him receiving the award from former President Halimah Yacob!

"

Since my university days, I've tried to look beyond my own sphere of influence, towards contributing to the broader community. I was teaching for 5 years when the Society of Interior Designers, Singapore Student Chapter (SIDS SC) invited me to join their Council and set up a Student Chapter to nurture young talent.

Today, I'm proud that I've watched over 800 students develop their interest and skills in the disciplilne through authentic learning experiences.

Before I was seconded to INP, I was a Course Chair at the School of Architecture & the Built Environment for 10 years! Now I coordinate and lead SP's internationalisation efforts and help with SP's internship programmes as well as support the SP alumni community.

"

FANN ZHI JIE
Assistant Director at SP's Department of Industry & Partnerships (INP)

SCHOOL OF
BUSINESS

Shaping Enterprising Business Leaders for a Dynamic World

At the School of Business (SB), you have the power to shape your own learning experience, chart your growth and discover your path to success through a technology-driven and industry relevant curriculum. Beyond your core curriculum, you can deepen your skillset or broaden your knowledge in areas of interest by choosing from an extensive selection of electives. Experience a vibrant learning environment filled with fun and transformative experiences such as learning journeys, overseas projects, internships, and industry collaborations, where you can develop soft skills and values to thrive in any community.

Are you ready to seize the reins of your own destiny? Join the School of Business and harness the opportunities to propel your success in this exciting world of business.

WHY SB?

You can benefit from:

+ A firm foundation in business competencies
+ Immersion into the enterprising world of business
+ The right attributes to succeed in any industry
+ A wide selection of courses
+ A track record and reputation built by our successful graduates

Full-Time Diploma Courses

- **ACCOUNTANCY (S75)**
- **BANKING & FINANCE (S76)**
- **BUSINESS ADMINISTRATION (S71)**
- **COMMON BUSINESS PROGRAMME (S31)**
- **HUMAN RESOURCE MANAGEMENT WITH PSYCHOLOGY (S48)**

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

School of Business
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/sb

Scan here to find out more about SB!

ACCANCY
DAC – S75

Be the Future Accountant of the Digital World

Keen on being part of the next wave of highly proficient accounting and finance professionals? The Diploma in Accountancy (DAC) may just be the best choice for you!

Today's rapidly evolving accounting landscape demands professionals who can go beyond traditional roles and excel as business advisors, consultants, and financial analysts. At SP's Diploma in Accountancy, we go beyond technical knowledge by equipping our students with multi-disciplinary skill sets to provide high-value services. Our curriculum, designed in collaboration with industry partners, ensures that our students are prepared for the future.

Our robust curriculum focuses on three main areas:

+ Technical Accounting Skills

Our interactive modules cover Auditing, Taxation, Financial Accounting, Forensic Accounting and Assurance. Through case studies, students apply their technical knowledge to real-world scenarios.

+ Digital and Analytical Skills

Students gain proficiency in accounting softwares like ABSS. Modules such as Technology for Business, Accounting Analytics, Predictive Analytics with AI and Robotic Process Automation (RPA) elective help students develop their digital and analytical capabilities, preparing them to become the future accountant of the digital world.

+ Industry Relevance

In the Client Project module, students collaborate with industry partners to solve real-world problems. They apply their three years of knowledge to automate mundane tasks using technological tools such as RPA and Visual Basics for Applications (VBA), contributing to the enhancement of digital capabilities in Small Medium Practices (SMPs).

WHAT YOU CAN EXPECT

- Chart your own pathway and be equipped with multi-disciplinary skills, choosing from a variety of electives to deepen or broaden your learning.
- Uncover insights in the world of sustainability, predictive analytics, and forensic accounting through a robust, future-relevant syllabus.
- Gain valuable practical experience through a 22-week internship in auditing, accounting, or taxation.
- Join competitions to gain exposure and hone your skills.
- Gain direct entry and enjoy generous advanced credit standing at established local and overseas universities.

CAREER OPTIONS

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

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

FURTHER STUDIES

You may be granted generous exemptions to pursue your accountancy degrees from local and international universities.

We also work closely with the Institute of Chartered Accountants in England and Wales (ICAEW) to create an accelerated pathway for our graduates to pursue the Chartered Accountant qualification through the SP-ICAEW Professional Chartered Accountancy (PCA) programme.

You may also receive generous exemptions from other professional accountancy bodies such as ACCA and CIMA should you wish to further your studies with them.

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

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 4 – 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
Any one of the following 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 (Chinese)
- Media Studies (English)
- Music
- Principles 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

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 curated by industry experts, to ensure your future-readiness in three key areas:

+ **MASTERY: Attaining Industry Knowledge**

  Gain industry knowledge and insights in domains such as Risk & Compliance, Banking, Investments & Financial Markets and Wealth Management. The curriculum integrates Financial Technology (FinTech) as a catalyst for economic growth, alongside a focus on sustainability and sustainable finance aligned with global goals.

+ **SKILLSETS: Attaining Industry Attributes**

  Develop collaboration, communication, and critical thinking skills. Acquire digital proficiency in banking technologies and foster an enterprising mindset for immediate and future work readiness.

+ **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 engagements and events, 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 work on fintech projects in Year 3.

- 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:

- Commercial and SME Banking
- Consumer 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 can also work in the finance department of any company.

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 3 – 11
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
Any one of the following 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 (Chinese)
- Media Studies (English)
- Music
- Principles 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 Xueting
Internship at JP Morgan

BUSINESS ADMINISTRATION
DBA – S71

Opening Doors of Opportunities

The Diploma in Business Administration (DBA) is designed to provide you with the essential knowledge, skills and insights to effectively deal with the complexities of today's global business environment. We develop thoughtful leaders, entrepreneurs and industry champions who create value for their organisations and their communities.

In today's digital economy, DBA equips you with a strong business foundation, providing you with relevant, future-ready knowledge and skills to thrive in a volatile economy. DBA's student-focused curriculum offers hands-on experience, exposure to interdisciplinary business skillset, and the flexibility of tailoring your learning experience in three vital business areas:

* Innovation & Entrepreneurship
* Digital Marketing & Branding
* International Trade & Operations

WHAT YOU CAN EXPECT

* Widen your horizon and heighten your global perspectives by working and interacting with foreign counterparts through overseas projects, cultural exchanges and international competitions.

* As DBA is well-recognised by both local and overseas universities, many graduates earn prestigious scholarships to pursue business-related degrees. Our graduates may be granted up to one and a half years 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 and purposeful individuals.

Additionally, you may earn additional certifications alongside your diploma, providing an edge in your career and offering up to two years of module exemptions for further university studies.

Our strong industry partnerships ensure that you're work-ready and life-ready. Tackle real-world business challenges at your internships, work on exciting projects with renowned companies and gain hands-on experience in our Student Agency. You'll also get to demonstrate your skills in competitions, network at events, and learn through seminars by industry experts.

CAREER OPTIONS

With the advantage of a broad-based curriculum, DBA prepares you for an extensive range of possible careers in the business world, stretching across any sector or industry.

Jobs directly related to your diploma include:

* Brand Management
* Business Development
* Business Process Improvement
* Client Management
* Consumer Insights
* Digital/Social Media Marketing
* Entrepreneurship/Startups
* Humanitarian Logistics
* Manage Family Business
* Marketing Communications
* Operations Management
* Procurement Management
* Service Operations
* Supply Chain Management

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 6 – 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
Any one of the following 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 (Chinese)
* Media Studies (English)
* Music
* Principles of Accounts

During my internship at Mapletree, I've had the opportunity to not only understand and learn more about how VivoCity operates, but also to assist in the execution and development of marketing campaigns, maintaining the mall's inventory stock to ensure efficient inventory management, building good tenant relations, and conducting site walks to ensure that our mall collaterals are in good condition so that it delivers the best shopping experience.

Matthew Ambrose Salcedo Jamero
Internship at Mapletree Singapore

HUMAN RESOURCE MANAGEMENT WITH PSYCHOLOGY
DHRMP – S48

Empowering People, Transforming Lives

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 at 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 YOU CAN 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 accelerated 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 Asia Pacific Federation of Human Resource Conference, HR Tech Festival Asia, Singapore HR Congress, and Singapore HR Awards.

- 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 2023 JAE ELR2B2: 4 – 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
Any one of the following 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 (Chinese)
- Media Studies (English)
- Music
- Principles 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

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/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 begin with the same Year 1 curriculum as the other School of Business (SB) students before they make their decision. Towards the end of Year 1, CBP students will rank their preferences among the six specialisations as shown in the illustration below:

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!

FURTHER STUDIES

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

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 5 – 13
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 – 6
Mathematics (Elementary/Additional)	1 – 6
Any one of the following 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 (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts

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 Marketing & Branding Diploma in Business Administration	**Innovation & Entrepreneurship** Diploma in Business Administration	**International Trade & Operations** Diploma in Business Administration

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

CBP allowed me to understand the different spheres in the world of business and meet and learn from alumni and industry partners. These insightful opportunities helped me to make an informed decision for my specialisation and possible career path.

Shawn Yip
Common Business Programme Alumnus

CHEMICAL & LIFE SCIENCES

Unlocking the Mysteries of Science for Innovative, Life-enhancing Solutions

With a rich legacy of over 50 years, the School of Chemical & Life Sciences (CLS) has continuously adapted to the needs of key industries like food, chemicals, biopharmaceuticals, and healthcare. Our focus is on equipping students with the skills and knowledge to thrive in these dynamic sectors, opening doors to endless possibilities in an exciting industry.

Our curricula are carefully designed to empower you with the knowledge and essential skills that will equip you for success in the real world.

If you have a passion for improving lives, unravelling the mysteries of food, or formulating cosmetics, join us to shape the future at CLS.

Full-Time Diploma Courses

- **APPLIED CHEMISTRY (S64)**
- **BIOMEDICAL SCIENCE (S98)**
- **CHEMICAL ENGINEERING (S70)**
- **COMMON SCIENCE PROGRAMME (S28)**
- **FOOD SCIENCE & TECHNOLOGY (S47)**
- **OPTOMETRY (S67)**
- **PERFUMERY & COSMETIC SCIENCE (S38)**

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

School of Chemical & Life Sciences
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/cls

Scan here to find out more about CLS!

APPLIED CHEMISTRY
DAPC – S64

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 the stage for your success.

WHAT YOU CAN EXPECT

- Discover our state-of-the-art laboratory suites, designed for Analytical & Forensic Chemistry, Pharmaceutical Chemistry, and Materials Science. Immerse yourself in hands-on experimentation with cutting-edge equipment.

- 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 here.

SCHOLARSHIPS

- A*STAR Science Award
- Mitsui Chemicals Process Technology Study Award
- MOH Holdings Scholarships
- Singapore Polytechnic Scholarships

FURTHER STUDIES

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

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 4 – 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

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

BIOMEDICAL SCIENCE
DBS – S98

The Science that 'Saves Lives'

The Diploma in Biomedical Science (DBS) offers you the opportunity to make a positive impact on the health and well-being of our community. From disease management to developing new treatments and drugs, you'll be entering a vital field that plays a critical role in saving lives.

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.

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.

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.

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 2023 JAE ELR2B2: 3 – 7
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following subjects: • 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
- EDB Scholarship
- MOH Holdings Scholarships
- SAF Merit Scholarship
- Singapore-Industry Scholarship
- 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

CHEMICAL ENGINEERING
DCHE – S70

Catalysing Innovations, Empowering Sustainable Future

Chemical Engineering is a discipline that integrates sciences with applied mathematics and engineering principles. 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.

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.

SCHOLARSHIPS
- A*STAR Science Award
- Mitsui Chemicals Process Technology Study Award
- Singapore Polytechnic Scholarships

FURTHER STUDIES

Each year, more than half of our graduates are successfully accepted into well-established local and overseas universities. Many of them are also offered module exemptions or direct entry into the second or third year of their university degree programmes.

Our graduates can also apply for either a 2.5-year degree programme in chemical engineering that is offered by Technical University of Munich (TUM), Germany and Singapore Institute of Technology (SIT) or a two-year degree programme in chemical engineering that is offered by Newcastle University (NU), United Kingdom and SIT.

WHAT YOU CAN EXPECT

- Gain valuable industry exposure and network with industry professionals through internships at local and overseas chemical processing companies and institutions.

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

- Internship opportunities at Shell, Sembcorp Industries and Proctor & Gamble.

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
- Workplace Safety and Health Coordinator

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 7 – 14
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

The main takeaway from my internship would be that I managed to have an inside look on how commissioning is being done on a plant. This event is not something commonly seen as many chemical plants are already built and operational. The skillset that I managed to gather from there would be able to help me in the long run as I step into the workforce.

Albie Tan
DCHE Gold Medallist
Internship at Sembcorp Industries Ltd

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.

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 3 to 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

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

* 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.

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.

YEAR 1

Common Science Programme (S28)

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

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

YEAR 2 & 3

Diploma in **Applied Chemistry** S64	Diploma in **Biomedical Science** S98	Diploma in **Food Science & Technology** S47	Diploma in **Perfumery & Cosmetic Science** S38

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

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 Major), University of Queensland

WHAT YOU CAN EXPECT
- Test out your concepts at the well-equipped facilities such as the Food Creation Lab, Dough and Roll Studio, Food Analysis Lab, Food Processing & Packaging Lab and Biotransformation Lab.
- 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
- Sales & Marketing Executive

ENTRY REQUIREMENTS
Range of Net 2023 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:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Food & Nutrition / Nutrition & Food Science
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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

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

Wong Zi Hua
DFST Gold Medallist
Global Executive Scholarship Recipient
Internship at Nestlé R&D Centre Singapore

OPTOMETRY
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 5700 sq. ft. SP Optometry Centre, a state-of-the-art learning environment supported by renowned brands like Zeiss and EssilorLuxottica.

• Experience hands-on learning opportunities from your first year, including industrial attachments to hospitals, optometric practices, and lens companies. Enhance your practical skills and knowledge through a 22-week internship in the final semester.

• Expand your horizons with local and overseas study trips, engaging in community service projects, participating in conferences, or attachments to healthcare and research institutions.

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

• Explore a wide array of career options and pathways available to our graduates.

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

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 6 – 14
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
• Food & Nutrition / Nutrition & Food Science
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)

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 organized 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

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.

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 2023 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:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Food & Nutrition / Nutrition & Food Science
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

CAREER OPTIONS

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

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

Adelia Goh Zhi Xuan
Internship at PT Megasurya Mas

SCHOOL OF
COMPUTING

Harnessing Technology to Transform the World

The School of Computing (SoC) has been shaping IT professionals since the 1980s. Today, SoC is a leading institution in IT education, cultivating competent IT professionals to excel in the digital landscape and drive innovation across industries. At SoC, you'll develop your skillsets through immersive projects, internships, and collaborations with top companies, giving you an edge in your field.

Are you thrilled by new technologies and software? Join us at the School of Computing and be at the forefront of the digital revolution.

- **APPLIED AI & ANALYTICS (S30)**
- **COMMON ICT PROGRAMME (S32)**
- **CYBERSECURITY & DIGITAL FORENSICS (S54)**
- **INFORMATION TECHNOLOGY (S69)**

Scan here to find out more about SOC!

For more information regarding entry requirements, courses and careers, please contact:
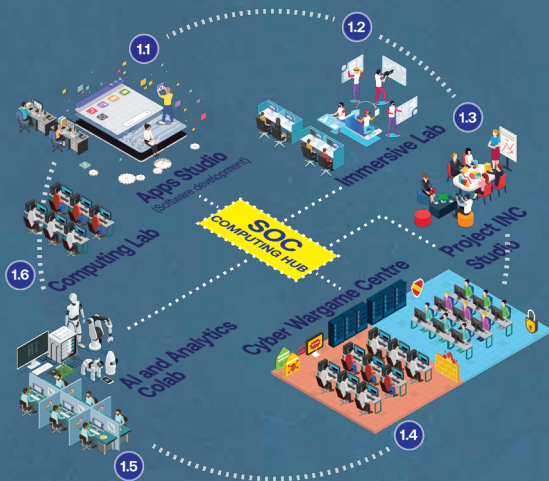
School of Computing
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/soc

WHY SOC?

#1: Experiential Learning Spaces

1.1 Apps Studio

A software development environment focusing on creating UI/UX design, web and mobile apps.

1.2 Immersive Lab

Develop virtual reality applications within this DIT learning space.

1.3 Project INC Studio

An industry-facing student agency — a software house-like environment — where students work as software developers on industry projects to hone their technical skills in software development and soft skills in client management, stakeholder management and project management.

Project INC collaborates with industry partners on a pipeline of real-world projects to offer an Industry Now Curriculum.

1.4 Cyber Wargame Centre

Immerse yourself within this DCDF learning space, a simulated environment to hone your cyber defence skills.

1.5 AI and Analytics Colab

Equipped with a high-performance computer server, this DAAA learning space is where you can create deep learning applications and discover insights in big data.

1.6 Computing Lab

A computing space for students to allow them to explore, create, connect, and build digital competencies and skillsets.

#2: A curriculum that develops a strong common foundation in coding and full stack development

2.1 To equip students with the dexterity to go deep in their specialisations such as Software Development, UI/UX, Immersive Simulation, AI and Analytics, and Cybersecurity.

#3: Innovative pedagogy to groom industry-ready, confident IT professionals

3.1 In the second semester of Year 2, students can apply to join 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 Project INC on curated real client industry projects to gain credits and gain exposure to the latest technologies. Students get to network with industry partners and master industry relevant skills through this Industry Project Learning Approach — Project INC.

Multiple learning pathways:

3.2 **+ Industry project pathway**

In Year 3, students have the opportunity to take on leadership roles at INC, ranging from project/client management, and coaching/mentoring juniors. Even before they graduate, students would have established their market reputation with a portfolio of diverse industry projects.

+ University pathway

SP Accelerated Pathway Programme (APP) allows eligible students to gain conditional admission to partnering local universities such as SMU and SUTD and gain early exposure to the university modules and campus life in their third year of study in SP.

+ Year-long internship pathway

This is the default pathway, where students will gain a longer exposure with their attachment and industry professionals will play a larger part in their learning experience.

APPLIED AI & ANALYTICS
DAAA – S30

Developing the Future of Technology

Believe it or not, you interact with a form of AI (Artificial Intelligence) every day! From Siri to Google Home and online chatbots, data analytics and AI make it possible for devices and programmes to respond to us in an almost human-like manner. This is changing the way we live, work and communicate and soon, it will become an integral part of our daily lives.

If you're interested in developing the next ground-breaking AI application to benefit our world, join the Diploma in Applied AI & Analytics (DAAA) course and be part of the revolution!

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 from companies such as Microsoft, Nvida Deep Learning Institute and AI Singapore while at SP.

+ **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.

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,

> 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)

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 ICT 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 Information Technology (DIT - S69)

WHAT YOU CAN EXPECT

- Gain insights into the three courses by exploring various modules such as frontend development, fundamentals of computing, and mathematics.
- Take part in the Diploma Exposure Program, 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.
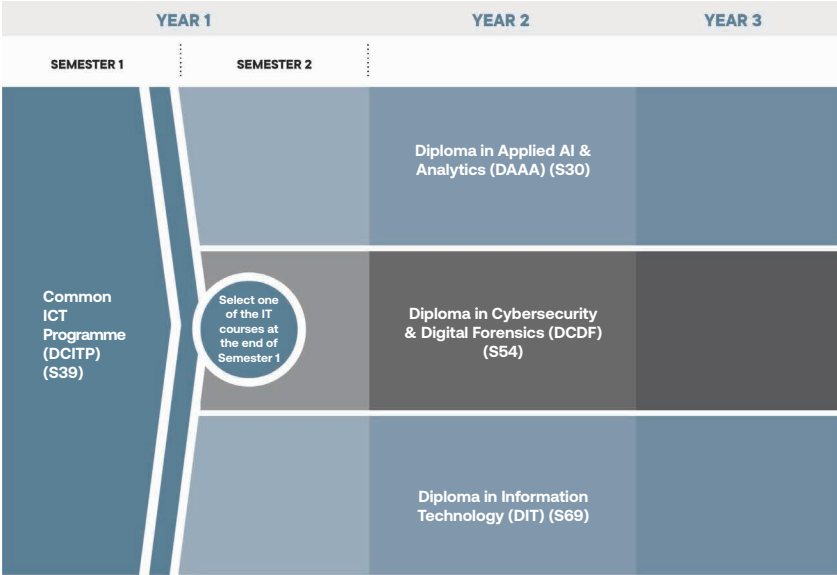
ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 3 – 14
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 6
Any one of the following relevant subjects for the ELR2B2-C Aggregate Type:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Creative 3D Animation
- Design & Technology
- Electronics / Fundamentals of Electronics
- Food & Nutrition / Nutrition & Food Science
- Exercise & Sports Science
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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

	YEAR 1		YEAR 2	YEAR 3
	SEMESTER 1	SEMESTER 2		
Common ICT Programme (DCITP) (S39)		Select one of the IT courses at the end of Semester 1	Diploma in Applied AI & Analytics (DAAA) (S30)	
			Diploma in Cybersecurity & Digital Forensics (DCDF) (S54)	
			Diploma in Information Technology (DIT) (S69)	

CYBERSECURITY & DIGITAL FORENSICS
DCDF – S54

Formerly known as Diploma in Infocomm Security Management (DISM)

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.

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.

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

WHAT YOU CAN EXPECT

+ **Choose from three specialised tracks that focus on different aspects of cybersecurity:**
  - Cyber Offensive and Operational Technology
  - Cyber Defence Security
  - Security Incident Management

+ **INDUSTRY NOW CURRICULUM (INC)**
  Experience real-world cybersecurity roles and earn module credits at our student agency. Learn hands-on from real client projects by joining the Security Operations Centre.

+ **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.

ENTRY REQUIREMENTS

Range of Net 2023 JAE ELR2B2: 5 – 12
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:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Creative 3D Animation
- Design & Technology
- Electronics / Fundamentals of Electronics
- Food & Nutrition / Nutrition & Food Science
- Exercise & Sports Science
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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

INFORMATION TECHNOLOGY
DIT – S69

Master the Language of the Future

Embark on the Diploma in Information Technology (DIT) 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 applications to advancements in information technology, you will explore a wide range of skillsets that shape the future of our society.

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

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:**

  - **Immersive Simulation**
    Explore augmented and virtual reality (AR/VR) to create interactive digital environments.
  - **Software Development**
    Master programming, software engineering and create innovative applications.
  - **User Experience (UX)**
    Design intuitive digital experiences, conduct user research and optimise usability.

  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 and gain module credits by working on real industry projects.

+ **PROFESSIONAL CERTIFICATIONS**
  Enhance your industry recognition by taking up professional certifications from companies such as Microsoft and AI Singapore.

+ **IMMERSIVE LAB**
  Gain practical experience by working on real client 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.

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 4 – 15
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:	1 – 6

- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Creative 3D Animation
- Design & Technology
- Electronics / Fundamentals of Electronics
- Food & Nutrition / Nutrition & Food Science
- Exercise & Sports Science
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

CAREER OPTIONS

- DevOps Engineer
- Project Manager
- Scrum Master
- Software Engineer
- Software Quality Assurance Engineer
- UI Designer
- UX Designer

> 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

MEDIA, ARTS & DESIGN
SCHOOL

One Diploma — A World of Possibilities

Imagine a world where your creative ideas are nurtured, and your talents are honed. The Media, Arts & Design School is where your creative journey begins. Our multi-disciplinary diploma opens doors to endless possibilities, empowering you to reimagine, transform, and leave your mark in communities and the world.

Through immersive and experiential opportunities, such as working on real-world client projects, internships, workshops, site visits and study trips, you'll be able to flex your creative muscles, learn from industry professionals and gain hands-on experience to give your career a head start.

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

Building skills in your chosen area to fuel your passion and creative potential.	Collaborating with industry partners to prepare students for further studies and employment.	Developing creativity using studio-based and transdisciplinary pedagogical methods.	Providing authentic learning spaces modelled after real-world work environments.

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. Own your creativity with MAD today!

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

Scan here to find out more about MAD!

MEDIA, ARTS & DESIGN
DMAD - S29

Level up your skills and portfolio by working in transdisciplinary teams to tackle real-world projects, completing a final-year project and internship.

Pursue your passion in one of our seven specialisations. You will spend five semesters deepening your skills in your chosen area.

COURSE HIGHLIGHTS

Spend the first semester of your first year exploring different disciplines in the media, arts & design sectors.

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 3 – 13
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 – 7
Mathematics (Elementary/Additional)	1 – 7
Any one of the following relevant subjects for the ELR2B2-D Aggregate Type:	1 – 6

- Art
- Biology
- Biotechnology
- Chemistry
- Computing/Computer Studies
- Creative 3D Animation
- Design Studies
- Design & Technology
- Electronics/Fundamentals of Electronics
- Food & Nutrition/Nutrition & Food Science
- Higher Art
- Media Studies (Chinese)
- Media Studies (English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

SPECIALISATIONS

Animation & Games (AG)

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.

Creative Community Engagement with Psychology (CCEP)

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.

Digital Media & Communications (DMC)

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

Experience & Product Design (XPD)

How do platforms like Netflix and Instagram attract millions worldwide with their user insight and innovation? User Experience (UX) Design stands as a powerful tool for solving problems, enhancing accessibility, and revolutionising interactions between humans.

At XPD, we explore how design blends with psychological insights. You will learn to create innovative solutions that are compelling both in functionality and emotional connection. Through hands-on industry projects, design for both digital and physical realms and open up yourself to opportunities in various fields of design.

Sound & Music (SM)

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.

Story & Content Creation (SCC)

Are you captivated by a good story? It could be a great book, an action-packed movie, a tear-jerking soap opera or an insightful analysis of a new policy in the news. Stories are an integral part of communication, from journalism and documentaries, to drama and comedy.

It takes skill and creativity to produce content that educates, entertains, informs and inspires. Do you have what it takes? Are you passionate about telling stories with a purpose? You will learn how to develop a story idea into a great concept, write a script and then film and edit it.

Visual Communication & Motion Design (VCMD)

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.

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.

MORE EXCITING MAD EXPERIENCES

It is not just about the course and the specialisation. At DMAD, you can try out different things and pick up all kinds of different skills. Or you could indulge in some of your other passions as well. For example, you could take a range of modules in **Creative Entrepreneurship** to turn your passion into a profitable endeavour; or modules in **Virtual Production** to create cutting-edge digital content and experiences.

SP ENGINEERING

Want to make an impact on society by tackling some of the world's biggest challenges?

SP Engineering gives you the chance to shape our future through scientific and technological innovations that create a greener, safer, more sustainable and better-connected world. Using a multi-disciplinary and hands-on approach, we nurture future-ready engineers that are prepared for any challenge.

We pride ourselves on strong industry partnerships. Through local or overseas internships and final-year projects, you'll get to apply what you learn to challenging real-life scenarios, alongside experienced engineers from some of the top companies in the industry. SP's engineering students also have the opportunity to take an Accelerated Pathway Programme to a bachelor's degree, giving you a unique head start to your dream career.

Join Singapore's largest engineering school with over 80,000 illustrious alumni who are highly sought-after in various fields of engineering.

EEE
Scan here to find out more about EEE!

MAE
Scan here to find out more about MAE!

- **AERONAUTICAL ENGINEERING (S88)**
- **AEROSPACE ELECTRONICS (S90)**
- **COMMON ENGINEERING PROGRAMME (S40)**
- **COMPUTER ENGINEERING (S53)**
- **ELECTRICAL & ELECTRONIC ENGINEERING (S99)**
- **ENGINEERING WITH BUSINESS (S42)**
- **MECHANICAL ENGINEERING (S91)**
- **MECHATRONICS & ROBOTICS (S73)**

If you need more information on entry requirements, courses and careers, please contact:

School of Electrical & Electronic Engineering (EEE)
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/eee

School of Mechanical & Aeronautical Engineering (MAE)
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/mae

AERONAUTICAL ENGINEERING
DARE – S88

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 receive hands-on training by ST Engineering Aerospace, our official training partner, with a focus on aircraft-related modules. 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, the 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
- Pratt & Whitney
- 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.

Take Your Passion to New Heights Where Sky is Not the Limits

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) and World Skills Competition (WSC).
- 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.

FURTHER STUDIES

You can gain an advanced standing of up to two years in mechanical engineering 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)
- University of South Australia

CAREER OPTIONS

- Aeronautical Engineering Technologist
- Assistant Aeronautical Design and System Engineer
- Assistant Aerospace Sales and 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

ENTRY REQUIREMENTS
Range of Net 2023 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)	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.

DARE ELECTIVE TRACKS

Furthering
Aero Design and Manufacturing

Broadening
Aviation Management

Deepening
Aircraft Maintenance and Composite Repair

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

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 planes such as the Airbus A350, Boeing 787 and fighter jets.

At DASE, you'll gain skills such as flight management, instrumentation, navigation and more, placing you at the forefront of advancements in the aerospace industry. With a comprehensive curriculum approved 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 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 dive into 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, providing you with a multitude of exciting career prospects.

WHAT YOU CAN EXPECT

- Complement your domain modules with critical human and emerging digital skills, enhancing your overall learning experience.

- 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.

- Gain 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.

SCHOLARSHIPS

- A*STAR Science Award
- DSO Diploma Scholarship
- DSTA Polytechnic Engineering Scholarship
- DSTA Polytechnic Digital Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship (RSAF)
- 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).

ENTRY REQUIREMENTS

Range of Net 2023 JAE ELR2B2: 5 – 14
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)	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

- 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

DSTA Polytechnic Engineering Scholar

Internship at Defence Science and Technology Agency (DSTA)

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 Servo & Electronics
- Human Factors & Quality Systems

+

ICT in Emerging Technologies (Aerospace)
- Artificial Intelligence
- Automation
- Cybersecurity
- Data Analytics
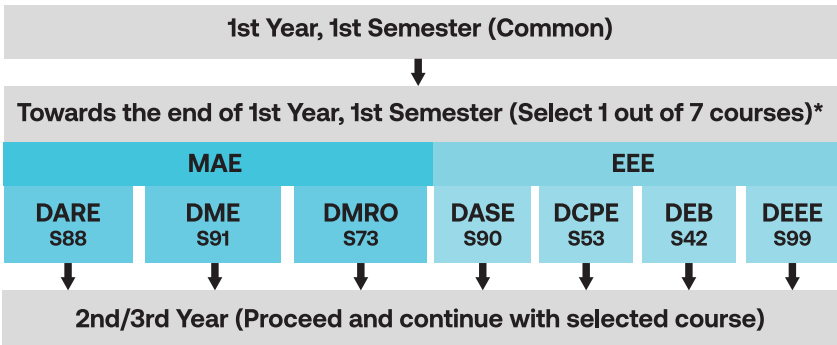- Internet of Things
- Robotics

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]

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 4 – 19
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)	1 – 6

> 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

Programme Structure

1st Year, 1st Semester (Common)

↓

Towards the end of 1st Year, 1st Semester (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 selected 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 specialisation, you can pursue an engineering degree at a local or international university.

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.

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

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

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.

CAREER OPTIONS

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

ENTRY REQUIREMENTS

Range of Net 2023 JAE ELR2B2: 3 – 12
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.
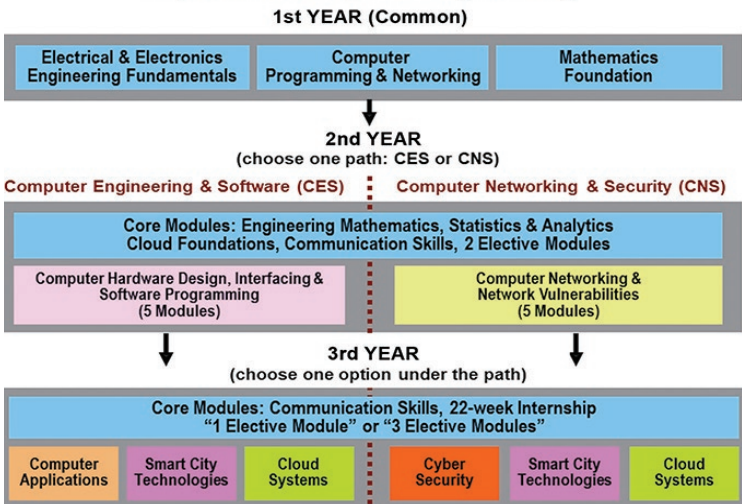
I completed my internship locally at Centre for Strategic Infocomm Technologies (CSIT). As an intern in the Software Engineering department, I worked on a fullstack development project and explored various technology stacks. It was a fulfilling and memorable experience as I could learn new, modern technology stacks that enabled me to build on the foundations of my existing knowledge in software development. I also had the opportunity to interact with my mentors and staff at CSIT, who were knowledgeable and helpful, giving me an insight into the working environment at CSIT. This experience has helped to shape my current aspirations and solidified my interests in software engineering.

Tan Wee Joe
DCPE Gold Medallist
The Institution of Engineers Gold Medal Award Recipient
Internship at Centre for Strategic Infocomm Technologies

Diploma in Computer Engineering

1st YEAR (Common)

Electrical & Electronics Engineering Fundamentals	Computer Programming & Networking	Mathematics Foundation

2nd YEAR
(choose one path: CES or CNS)

Computer Engineering & Software (CES) | **Computer Networking & Security (CNS)**

Core Modules: Engineering Mathematics, Statistics & Analytics, Cloud Foundations, Communication Skills, 2 Elective Modules

Computer Hardware Design, Interfacing & Software Programming (5 Modules)	Computer Networking & Network Vulnerabilities (5 Modules)

3rd YEAR
(choose one option under the path)

Core Modules: Communication Skills, 22-week Internship
"1 Elective Module" or "3 Elective Modules"

Computer Applications	Smart City Technologies	Cloud Systems	Cyber Security	Smart City Technologies	Cloud Systems

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 over 20,000 successful graduates, we have a track record of producing successful engineers that are highly sought-after in the field.

WHAT YOU CAN EXPECT

- Choose one of seven specialisations:
  - **Biomedical**
  - **Communication**
  - **Microelectronics**
  - **Power**
  - **Rapid Transit Technology**
  - **Robotics & Control**
  - **Sustainable Energy (NEW!)**

- 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.

- 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 (Polytechnic)
- DSO Diploma Scholarship
- DSTA Polytechnic Digital/Engineering Scholarship
- Micron Scholarship
- PSA Scholarship
- PSC Scholarship
- SG-Rail Scholarship
- Singtel SHINE Cadet Programme
- 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).
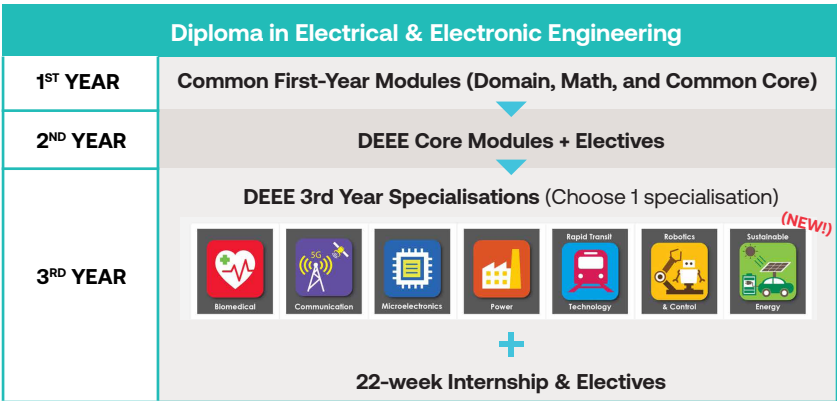
ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 5 – 17
Aggregate Type: ELR2B2-C

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)	1 – 6

> 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 enjoyed 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
SP Excellence Award Recipient

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.

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 **(NEW!)** **+** **22-week Internship & Electives**

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.

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.

- **(NEW!)** 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 and SP-SUTD Accelerated Pathway Programme to get a head start in university life.

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. Dive deeper into 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 get 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 get 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

ENTRY REQUIREMENTS
Range of Net 2023 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 • 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

SCHOLARSHIPS

- SP Engineering Scholarship
- A*STAR Science Award
- DSO Diploma Scholarship
- DSTA Polytechnic Engineering Scholarship
- DSTA Polytechnic Digital Scholarship
- Singtel SHINE Cadet Scholarship
- Home Team Diploma Sponsorship
- SAF Polytechnic Sponsorship
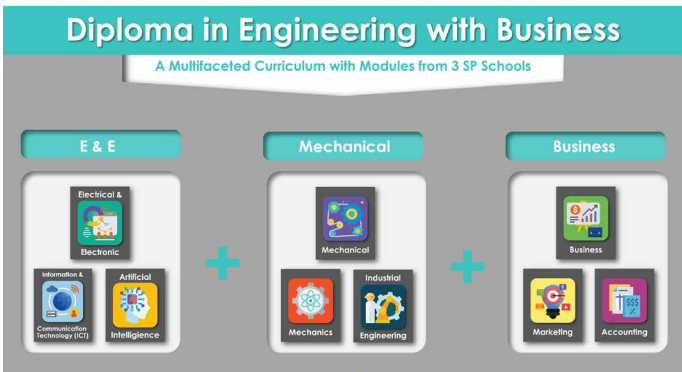
During my internship at DSO, I had the opportunity to create a battery-operated underwater data logger that captured kinematic data from underwater systems. I applied the CDIO framework to my projects and put into practice the technical skills I acquired at SP. These skills encompassed C++ programming, prototyping using breadboards, and 3D design.

Bryan Chia
SP Engineering Scholar
Internship at DSO National Laboratories

Diploma in Engineering with Business
A Multifaceted Curriculum with Modules from 3 SP Schools

E & E	Mechanical	Business
Electrical & Electronic	Mechanical	Business
Information & Communication Technology (ICT)	Industrial Engineering	Marketing
Artificial Intelligence	Mechanics	Accounting

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. 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!

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 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

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 advance 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

FURTHER STUDIES

You can gain an advanced standing of up to two years in and relevant engineering 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
- University of Manchester
- University of Birmingham
- University of New South Wales
- Royal Melbourne Institute of Technology University

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 6 – 19
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.
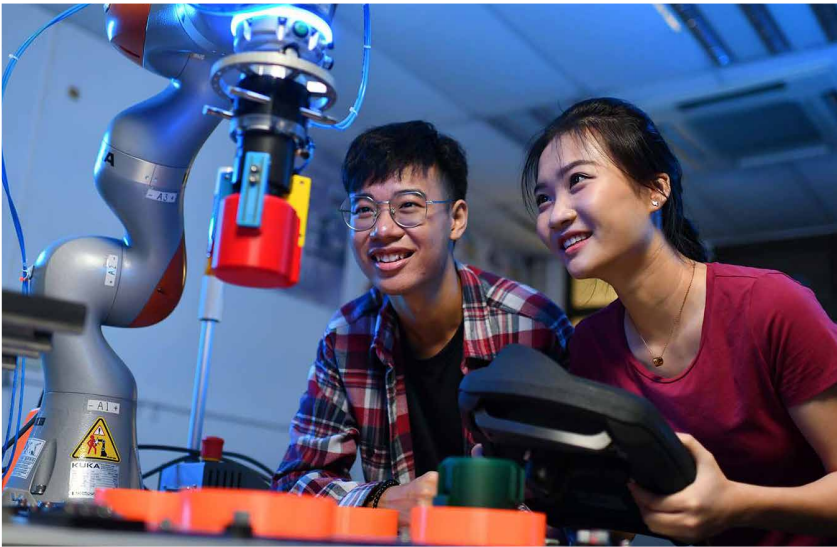
Kelly Tay Keli
DME Gold Medallist
Internship at Singapore Institute of Manufacturing Technology

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 gain an advanced standing in Mechanical, Mechatronics, Robotics Systems, Electrical & Electronics, Computer Science or Computer Engineering degree courses in both local (NUS, NTU, SIT, SMU, SUSS, SUTD) and international universities. Selective module exemptions or direct entry to second year are based on merit and subjected to the approval of the respective faculties/universities.

CAREER OPTIONS

- Assistant Automation Engineer
- Assistant Design Engineer
- Assistant Electromechanical Engineer
- Assistant Mechanical Engineer
- Assistant Mechatronics Engineer
- Assistant Robotics Engineer
- Assistant System Development Engineer

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 5 – 15
Aggregate Type: ELR2B2-C

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

LECTURER'S SPOTLIGHT

Our Engineering lecturer shows us how it's like to be the FASTEST, HIGHEST and STRONGEST!

Who says engineering can't be exciting? Meet Leong Ying Wei, a lecturer from our School of Mechanical and Aeronautical Engineering, who's redefining the boundaries of cool in engineering. With a knack for breaking records, he's proving that engineering is not only cool but also a platform for innovation.

Here are some cool engineering projects that were collaborated with our students at SP, where they challenge the boundaries of what's possible.

STRONGEST

Drawing inspiration from the iconic 1980s film "Back to the Future II," a team of five students crafted a hoverboard capable of levitating and gliding along a designated track. The team, led by lecturer Leong Ying Wei, comprises Amos Ng, Leon Kwang, Chen Xiao Wei, Thant Zaw Aung and Lew Lin. Their achievement earned them the distinction of holding the record for the "strongest quantum levitation effect on a hoverboard" as recorded in the Singapore Book of Records on 17 Nov 2017.

FASTEST

Alongside SP alumnus Phua Shin Zert and Teo Shao Zun, the trio achieved a Guinness World Record (GWR) for the fastest speed achieved by a ping pong ball. On April 10 2019, they launched a ping pong ball at an astonishing speed of 833.33m/s, equivalent to 2.43 times the speed of sound. This remarkable feat was officially recognized as a new record on July 11, surpassing the previous record of 806m/s held by a US father-son team.

HIGHEST

As part of their final year project, a group of five students constructed a rocket designed to be propelled using common fluids rather than combustibles, pyrotechnics and electricity. On 10 Dec 2016, Lee Si Yuan, Darren Cheng, Goh Ee Liang, Stantly Hng and Geraldine Tan launched the rocket at the school sports complex under the guidance of Leong Ying Wei. Their rocket reached a maximum altitude of 74.61m above ground level during its sixth launch before descending safely and this was recorded in the Singapore Book of Records.

> We wanted to make something that seemed impossible in the past but is possible now.

LEONG YING WEI

Lecturer at SP's School of Mechanical and Aeronautical Engineering (MAE)

SINGAPORE MARITIME ACADEMY

Sea of Opportunities & Shore of Possibilities

Embrace the ocean's call and embark on this voyage of learning at the Singapore Maritime Academy (SMA).

At Singapore's first maritime training institution, you can gain knowledge and skills to navigate the oceans. You can also tap on engineering disciplines to turn a ship into a moving city. You are exposed to a wide array of shipping business activities. Your adventure begins under the guidance of experienced lecturers and with hands-on training using state-of-the-art simulators and facilities.

When you graduate, you can be part of Singapore's globally established maritime industry — one of the world's busiest seaport and largest container ports.

WHY SMA?

SMA's rigorous curriculum, combined with hands-on training and cutting-edge simulation facilities, ensures graduates are equipped with the expertise and confidence to excel in their chosen career paths. The Integrated Simulation Centre (ISC) houses various labs and simulators that offer hands-on training in simulated realistic scenarios for training our students and industry professionals.

Moreover, SMA's strong industry connections enable students to gain internships and job placements with prestigious shipping companies and maritime organizations. These valuable internship opportunities allow students to apply classroom knowledge, gain industry insights, and establish professional networks.

Join the Singapore Maritime Academy to forge connections, build networks, and gain a competitive edge in the maritime industry, setting your path on a path towards a successful and fulfilling career.

- **MARINE ENGINEERING (S63)**
- **MARITIME BUSINESS (S74)**
- **NAUTICAL STUDIES (DNS - DAE)**

Scan here to find out more about SMA!

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

Singapore Maritime Academy
Tel: (65) 6775-1133
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/sma

MARINE ENGINEERING
DMR – S63

Driving Force of Maritime Advancements

The Diploma in Marine Engineering (DMR) is a rigorous programme covering various engineering disciplines. It combines mechanical engineering, electrical and electronic engineering, engineering design, and control technology - all crucial for transforming a ship into an independent power plant.

- Marine/Mechanical Engineering
- Electrical and Electronic Engineering
- Naval Architecture
- Offshore Technology
- Control Technology

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).

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.

Age	Sea Path	Progression	Shore Path
16	26 Weeks Sea internship	2 ½ Years in SP - SMA Campus / Internship / Completion of Diploma in Marine Engineering	26 Weeks Shore internship
20+	CoC 5*	(Top-up 26 Weeks @ Sea for those who selected shore internship)	
22+	Junior Engineer on Merchant ships or Marine Offshore vessels (**S$3,000++)	Further Studies	Shore Based Marine Companies • Assistant Engineer • Servicing Engineer • Technical Executive • Shipyard Engineer • Crew Managing Executive • Sales, Marketing & Procurement Executive (Estimated starting Salary: $2,500++)
26+	CoC 2* / 2nd Engineer on Merchant ships or Marine Offshore vessels (**S$7,500++)	Combined Class 1&2 CoC Course	
29+	CoC 1* / Chief Engineer (**S$10,000++)		Middle Management in shipping/offshore companies, surveying and shipyard operations

Internationally recognised professional qualification issued by MPA
++ Tax free income plus paid leave

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

> 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

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.

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.

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 third-year of a four-year programme at the State University of New York (SUNY) Maritime College in the United States, the final year at the University of Plymouth as well as the Solent University, Southampton in the United Kingdom and Australian Maritime College.

ENTRY REQUIREMENTS
Range of Net 2023 JAE ELR2B2: 10 – 18
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:	1 – 6

- 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)

> 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 container shipping industry with countless different opportunities that gave me a fulfilling learning

Tan Xu Jie
DMB Gold Medallist
Internship at Golden Stena Baycrest (GSB) Tankers

NAUTICAL STUDIES
DNS – DAE

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

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.

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.

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.

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.

• *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.*

• *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 highly recommended to seek out their preferred shipping company to facilitate the successful completion of their phase 2 internship aboard a ship.*

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.
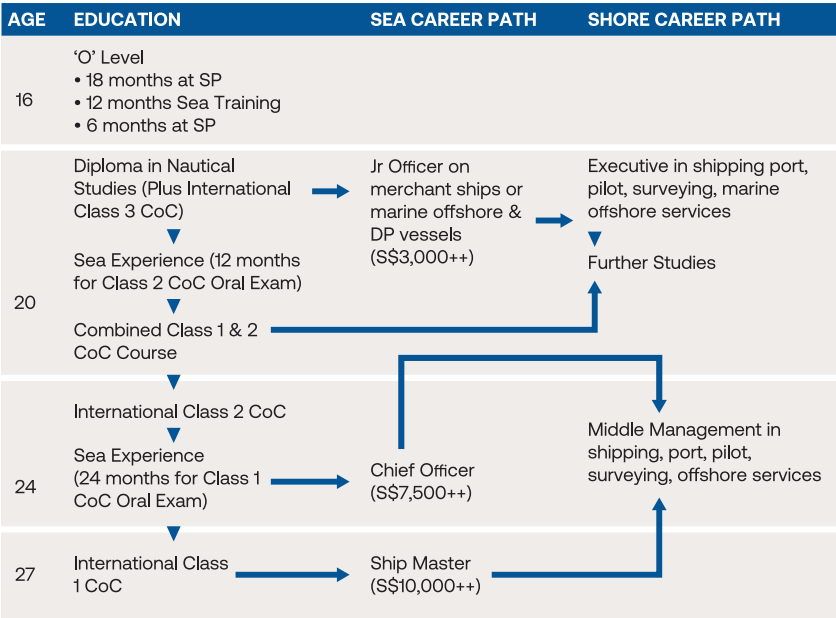
> My cadetship experience has not only reinforced my passion for the maritime field but also shaped my future aspirations. I am now determined to become a skilled and proficient maritime professional, to continue contributing to the safety and efficiency of maritime operations.
>
> **Fadhli Bin Bohari**
> DNS Gold Medallist

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

ARTS
FEEL THE VIBE
TIME TO SHINE

SPORTS & WELLNESS
PUSHING BEYOND BOUNDARIES
REDEFINING CHAMPIONS

LIFE @ SP

Life of a student should be a balance between coursework and social experiences.

The Department of Student Development (SD) aims to develop students into all-rounded young adults via co-curricular activities (CCA). We offer a wide range of exciting activities to help our students develop life skills so that they are future-ready.

For more info, check out our website here www.sp.edu.sg/ccas
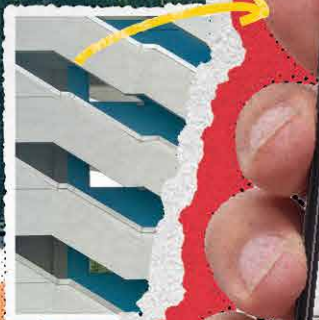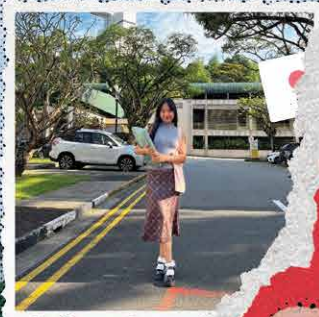
SERVICE LEARNING
LEARN TO SERVE
SERVE TO LEARN

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DISCOVER THE LEADER IN YOU

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#SO POSSIBLE POLY

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

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Information correct as of 4 January 2024

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