

Flip to find your SPirit!



YOUR COURSE GUIDE TO THE RIGHT CHOICE

2021



ARCHITECTURE & THE BUILT ENVIRONMENT



BUSINESS



CHEMICAL & LIFE SCIENCES



SINGAPORE MARITIME ACADEMY



MEDIA, ARTS & DESIGN



COMPUTING



ELECTRICAL & ELECTRONIC ENGINEERING

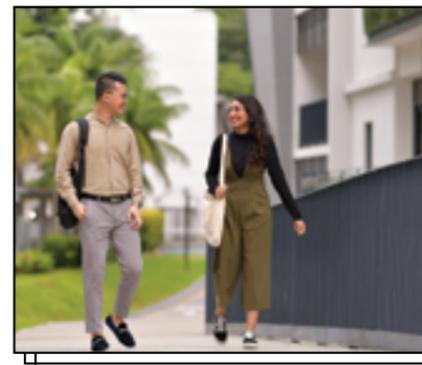
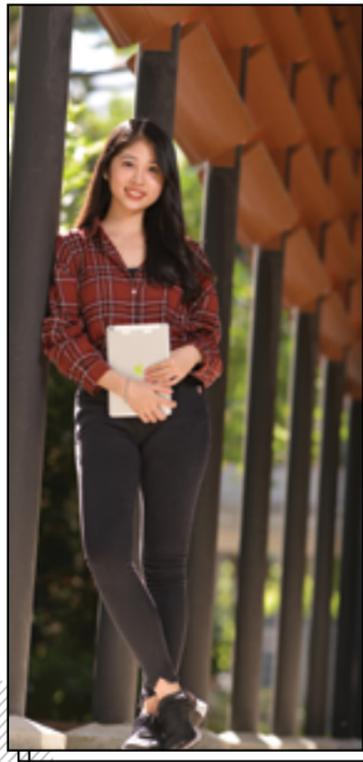


MECHANICAL & AERONAUTICAL ENGINEERING

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1

We are well established.

Yes, SP is the first polytechnic set up in Singapore and our legacy continues to grow.

2

We have great courses.

With 10 academic schools and 30 full-time diplomas, you can definitely find your dream poly course.

3

Your lecturers are superheroes.

They are really good at teaching but more than that, they help prepare you to be life-, work- and most importantly, world-ready!

4

Our campus is huge and very green.

Spanning 38 hectares, we are the first polytechnic to receive the highest accolade in Singapore for achievements in the field of environmental sustainability.

WHY SP?

Here are ten reasons SP is the right choice for you.

5

Our facilities are state-of-the-art.

First-ever Perfumery and Cosmetic Science Centre in Asia? Check. Cyber Wargame Centre? Check. Hangar full of aeroplanes? Check, check and check.

6

You will not run out of food to eat.

With six food courts and various F&B outlets all around campus, you'd be spoilt for choice!

7

We have an MRT station at our doorstep.

SP is literally steps away from Dover MRT station. Did we also mention it's sheltered all the way?

8

You have over 100 CCAs to choose from.

Whether you are naturally talented or just crazy interested, we promise you, you will find someone just as passionate about it as you are in whichever CCA you choose to join.

9

You will have amazing seniors.

SP students are trailblazers in their own right — whether it is creating products that revolutionise the way people work or empowering disadvantaged communities, they are a hundred and one percent committed to building the world they want to live in.

10

Your achievements will not go unnoticed.

Whether you excel in your studies, the arts, sports or are simply a great leader, SP is there to help you reach your full potential with our extensive range of scholarships. So, don't hold back, be the best you can be!



At SP, you can live your passion and do so much more. Join us and start creating your own SP memories!



Not convinced? Find out why SParent Lynn supported her daughter, Megan's choice to join SP in this cheeky competition between mom and daughter to clinch bragging rights on who knows who better.

Our top graduates of 2021 are on the cover of SPirit — flip the magazine over to take a look!

For the latest updates on Singapore Polytechnic, follow us on:



@singaporepoly /singaporepolytechnic

SP www.sp.edu.sg

ALL YOU NEED TO KNOW ABOUT EAE

Do you harbour a strong passion for something? Do you wish to secure your dream diploma before you graduate? If your answer is yes, then the Early Admissions Exercise (EAE) is perfect for you! Find out all you need to know about EAE below.

WHAT IS THE EARLY ADMISSIONS EXERCISE (EAE)?

The Polytechnic Early Admissions Exercise (Poly EAE) is an aptitude-based admissions exercise that allows students to apply and receive conditional offers for admission into a polytechnic based on their interest, passion and aptitude. If your dream diploma is in SP, you'd be glad to know that **all SP diplomas are offered under EAE!**

Scan this QR code to watch a short and informative video about EAE:



WHO CAN APPLY FOR EAE 2021?

- ▶ Students taking 'O' Level examinations this year
- ▶ ITE students who are in their final year of study at their Nitec and Higher Nitec courses

WHAT IS THE APPLICATION PROCESS?

1) Application stage:

Interested applicants can apply via the EAE portal (<https://eae.polytechnic.edu.sg/>). You will need to submit your personal particulars, a 600-character write-up to demonstrate your aptitude and interest for your preferred diploma(s), followed by a 1000-character write-up to showcase your passion/achievements. You can select up to three diplomas of interest.



2) Selection stage:

If you are shortlisted, you will be invited to attend an interview or take a test. Try your best to demonstrate your aptitude and interest for a specific course.



3) Offer & Acceptance stage:

An offer will be made to you if you are successful in your interviews or tests. You can view and accept the offer on the online application system within the stipulated period. Do note that this offer is conditional and you will only be guaranteed a place in the polytechnic course if you meet the admissions criteria. Do accept the offer if you are keen as a non-response will be deemed as a rejection of the offer.



ADMISSIONS CRITERIA

Graduating 'O' Level students

- ▶ Meet the minimum entry requirements (MERs) for the offered course (**Refer to Pg 4 to 57 to check the MERs for each course**)
- ▶ Obtain a net ELR2B2 aggregate score of 26 points or better for the 'O' level exams

Final-Year Higher Nitec and Nitec students from ITE

- ▶ Higher NITEC qualification — final net GPA of 2.0 or above (including CCA bonus points)
- ▶ NITEC qualification — final net GPA of 3.5 or above (including CCA bonus points)



4) Withdrawal stage:

Should you wish to withdraw your acceptance, you must submit your withdrawal online via the EAE portal within the stipulated deadline. Do note that you **will not** be able to switch courses within or across polytechnics once your offer is confirmed upon release of your final examinations results.



HOW TO ACE YOUR EAE APPLICATION

Now that you have a better idea of what the Early Admissions Exercise (EAE) is all about, read on to find out how SP scholar, Kelly secured her spot via the EAE to pursue her dream diploma!

KELLY'S STEP-BY-STEP GUIDE ON HOW TO APPLY TO SP VIA EAE

Step 1: Find your passion

Ask yourself these questions: What do I feel strongly for? What are my strengths? What brings joy to my life?

K: Since young, I have always wondered how things were made. I would spend my free time assembling miniature model sets and do-it-yourself furniture. When I got older, I realised my interest in building things never went away and I wanted to spend even more time crafting and building!

Step 2: Research, research, research

Read up on courses that suit your passion, aptitude and interest. Narrow down your selection to three courses for the application.

K: I come from a family of engineers — my father, aunt and uncle are all engineers. My father shared about his work experience often and it influenced me to follow in his footsteps. I researched the diploma my father did when he was at SP and realised that SP's Diploma in Mechanical Engineering (DME) offers a curriculum that aligns with my interests — building, crafting and bringing ideas to life.

Step 3: Write about what drives you and support with examples

Ensure that your passion, aptitude and interest shine through in both write-ups. Include all, and I do mean every, single relevant experience and/or certification!

K: I wrote about my passion for engineering and my love for crafting. I highlighted my exemplary marks in Mathematics and Physics — important foundation skills required for an Engineering diploma and I made sure to include my CCA achievements in secondary school.

Step 4: Build your case

Show that you have participated in activities relevant to your preferred diploma. Detail all relevant works and certificates. Give examples of real-life experiences. Include a written testimonial from your teachers or principal.

K: In my portfolio, I included many pictures of the miniature model sets that I had built over the years, especially models that included electrical wiring since I was applying for DME. On top of that, I also included all of the awards I received as well as a special letter from President Obama for being on the honour roll when I studied in America!

Step 5: Be confident

Wear something formal yet comfortable and arrive early for the interview (be it virtual or physical). Smile and most importantly, be yourself to impress!

K: I came up with a list of potential questions that might be asked and practised answering them many times before the interview. I arrived 15 minutes ahead of the interview so that I could go through my answers and portfolio one last time before I headed in.

Kelly's not the only one that entered SP through EAE. If you'd like to find out how some of your other potential seniors secured their place early via EAE, follow SP's Instagram account @Singaporepoly and watch that space or scan this QR code now. Good luck!



Kelly Tay
Diploma in Mechanical Engineering
Alumna of Kranji Secondary School



Want to know how to ace your EAE application? Read about how your potential SP senior, Kelly Tay (she's also an SP scholar!) secured her dream diploma via EAE on the next page.

SCHOOL OF ARCHITECTURE & THE BUILT ENVIRONMENT



At the School of Architecture & the Built Environment (ABE), you can transform spaces. You will learn to incorporate design with technology, allowing you to turn imaginative ideas into reality.

The creativity-driven and hands-on lessons in ABE allow you to build a strong foundation in transforming spaces, turning them into sustainable environments. Be it buildings, interiors, structures, landscapes, facilities or events, you are able to enhance users' experience with creative solutions.

When you graduate, you will take on the world with your passion. You can create the sustainable future you dream of.

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.

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

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

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



ARCHITECTURE & THE BUILT ENVIRONMENT

ARCHITECTURE DARCH - S66



Are you passionate about architecture? Have you found yourself stopping to admire and guess how skyscrapers, museums and bungalows are designed? Do you have a dream of impacting the way people live, breathe and interact with the spaces they fill? If you do, then unlock your talents here at Diploma in Architecture (DARCH), Singapore's first full-fledged architecture diploma.

At DARCH, we believe that anyone with interest and passion in architecture can be trained. Our dedicated and experienced lecturers will equip you with the essential skills required to realise your ambition of contributing to the architectural and design industries.

The unique pedagogy will develop you holistically into an adaptable, open-minded and

motivated individual as well as team player. From laying your design foundations in the first year, to strengthening your analytical and conceptual thought processes by the third year, DARCH is a design-cum-technical programme that adopts a unique project-based learning approach, to develop you into an investigative design innovator equipped with knowledge of the latest building technologies.

COURSE HIGHLIGHTS

- First Year Common Foundation Programme, with Diploma in Architecture, Diploma in Interior Design and Diploma in Landscape Architecture students
- Hands-on design studio sessions that focus on critical and creative thinking
- Teaching through design projects, out-of-classroom site visits and sketching classes
- Opportunities to participate in:
 - Projects with real-life clients
 - Workshops with visiting architect professors from top local and overseas universities or practitioners in the industry
 - Local and international competitions
 - A SP-SUTD Special Pathway Programme that allows selected students to gain conditional early admission to SUTD.*

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

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship

FURTHER STUDIES

Our students have received scholarships from organisations like Urban Redevelopment Authority to study architecture at the National University of Singapore (NUS) and Singapore University of Technology and Design (SUTD). Our graduates have also continued their education at top universities around the world, including Royal Melbourne Institute of Technology (RMIT) University in Australia, Architecture Association (AA), The Bartlett (UCL) and Glasgow in UK and Southern California Institute of Architecture (SCI-Arc) in the United States. The strength of your SP DARCH diploma will get you module exemptions and advanced standing in foreign universities.

CAREER OPTIONS

- Architecture Assistant
- Architecture Coordinator
- Architectural Sales Executive / Coordinator
- Architectural Technology Specialist
- BIM Specialist
- Codes and Regulations Specialist
- Fabrication Specialist
- Visualisation Specialist

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 13
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 7
Any three other subjects	1 - 6

Note: To be eligible for admission, you must also have sat for one of the following subjects:

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

I was inspired by my sister who also studied a design-related course in SP to join DARCH. I am a hands-on learner and since I always find myself admiring old and new building developments, I decided that DARCH would be suitable for me. It would be a dream to create functional buildings and spaces to benefit the community and DARCH has provided me with the skills to do so.



Aceson Han
DARCH Gold Medallist,
Class of 2019

CIVIL ENGINEERING

DCE - S68



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 22
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	



The Diploma in Civil Engineering (DCE) is a broad-based and versatile course covering key areas such as structures, geotechnics, transportation, water technology and project management.

Your training in civil engineering equips you with the essential technical skills to take on the transforming industry. Our graduates support civil engineers in the analysis, design, construction, upgrading and maintenance of all forms of infrastructure in the world for a better quality of life and sustainable economy.

COURSE HIGHLIGHTS

- Conceive-Design-Implement-Operate (CDIO) framework that prepares you to be life-ready, work-ready and world-ready
- Take part in competitions, seminars, overseas community service projects and study trips
- Be equipped with technical and soft skills that are aligned with the Construction Industry Transformation Map
- 22-week Internship Programme to apply classroom learning to real projects and develop professional skills

CAREER OPTIONS

- Assistant Engineer
- Assistant Project Manager
- Assistant Quantity Surveyor
- BIM Specialist
- Building Construction Safety Supervisor
- CAD Engineer
- Marketing Sales Executive
- Resident Technical Officer
- Site Supervisor
- Technical Executive

SCHOLARSHIPS

- SP Engineering Scholarship
- Singapore Structural Steel Society Scholarship
- BCA — Industry Scholarship / Sponsorship
- Yogarajah Scholarship and Bursary Fund
- Sarojini Devi Award
- American Concrete Institute — Singapore Chapter Scholarship

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.

SP provided a very encouraging environment. Twice, I was given the opportunity to participate in the Introducing and Demonstrating Earthquake Engineering Research in Schools (IDEERS) held in Taiwan. In my second participation, I even got to collaborate with fellow schoolmates from another course to develop an innovative building design strong enough to withstand earthquakes. For our hard work, we managed to clinch the second prize among other competitors from Singapore and other countries. Through the experience, I was exposed to different perspectives of civil engineering and it definitely encouraged me to delve deeper into the field. With relevant skills and experiences provided by SP, I believe that I am ready for my next step in life.



William
DCEB (now known as DCE)
Gold Medallist,
Class of 2019

FACILITIES MANAGEMENT

DFM - S95



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 12 - 18
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Art • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design Studies* • Design & Technology • Electronics / Fundamentals of Electronics • Higher Art* • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	



If your passion is in managing multi-million dollar properties and people, this is the course for you! Facilities Management is a rapidly growing profession encompassing multiple disciplines that integrate people, place, process and technology to ensure the efficient and effective use of facilities for their intended purposes.

The demand for facilities management services has grown exponentially, with the growing demand for building and infrastructure development. This course will equip students with the technical and business management skills to manage buildings and its services. With the increased emphasis for cost-efficient smart buildings and the consideration of space as a business asset contributing to the bottom line of companies, this course will also train students to enhance assets, optimise space and create a healthy work environment in various types of buildings. Graduates can look forward to exciting facilities management careers with property developers and owners, service providers, government agencies and statutory boards.

Besides the diploma, you will also be awarded with three additional certificates upon graduation:

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



I was able to receive a one of a kind internship experience at ISS-NUJ. It was challenging because it tested my interpersonal, project management and coordination skills that I have never before used in a workplace environment. However, it was enriching at the same time as I was lucky enough to fine-tune these skills before heading to university, as well as the workforce in a few years time.

The course has equipped me with relevant skills that I need to face future challenges and also gave me a clearer direction in where my interest lies.



Phyllis Ng
DHLFM (now known as DFM)
Gold Medallist,
Class of 2020

COURSE HIGHLIGHTS

Authentic learning through:

- Out-of-classroom projects and site visits
- Internship Programme with reputable organisations
- Industry-linked projects
- Study trips

CAREER OPTIONS

- 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

Note: To be eligible for admission, you must also have sat for one of the following subjects:

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

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship

FURTHER STUDIES

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

INTERIOR DESIGN

DID - S89



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 7 - 15
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 7
Any two other subjects	1 - 6

Note: To be eligible for admission, you must also have sat for one of the following subjects:

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

CAREER OPTIONS

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

FURTHER STUDIES

You can gain direct entry into various undergraduate degree programmes offered by local and other overseas 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.



If you are passionate about the design of space, transforming the experience of everyday living and have a creative mind, you are the budding designer we want!

The course is developed to prepare students for the design industry, equipping graduates with relevant design knowledge and skills. Our programme balances both technical and design competencies, focusing on both physical and digital spatial experimentation, curating experiences and journeys for users through space, form, materials, colour and light. You will also be trained in ways to communicate them visually and verbally.

Join us in our fully immersive design culture, incorporating a rigorous curriculum from exploratory projects to collaborations with industry and institutions.

COURSE HIGHLIGHTS

- First Year Common Foundation Programme, with Diploma in Architecture, Diploma in Interior Design and Diploma in Landscape Architecture students
- Develop strong research grounding with an emphasis on experimentation to push the boundaries of your design ideas
- Learn to design using different design techniques and methods including a hands-on, exploratory studio approach and digital, parametric design
- Gain broad exposure to design trends by participating in overseas and local study trips and workshops
- Participate in Live Client studio programmes with real-life industry partners to see your design come to life

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship



As I progressed through the course, there were many milestones, with different expectations and new scopes of work. I needed to have good time management skills, perseverance, determination and most importantly, an open-mind to learn new things every day. On top of school work, I also got the opportunity to be a part of the ABE ambassadors team. We helped out in events such as the SP Open House. I even had the privilege to run the DID graduation show 2019 as the chairperson! DID has definitely given me many opportunities and broadened my perspectives. I want to thank all the lecturers, staff and peers who have encouraged and guided me. They are the ones who have made my journey enriching and memorable.



Phyllis Oh
DID Gold Medallist,
Class of 2019

INTEGRATED EVENTS & PROJECT MANAGEMENT

DEPM - S50



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 7 - 15
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects	1 - 6

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

***To be eligible for admission, you must also have sat for one of the following subjects:**

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

FURTHER STUDIES

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



It's never a dull day in the life of an events or project manager. The Diploma in Integrated Events & Project Management (DEPM) course trains you to be a professional in the rapidly growing Business Travel and Meetings, Incentive Travel, Conventions and Exhibitions (BTMICE) sector, which has grossed more than \$3 billion revenue in recent years.

You are given authentic experiences through opportunities to conceptualise, plan and execute live events with our various industry partners. Besides the diploma, you will also be awarded with a bizSAFE Level 2 (Risk Management) certification.



I had my eye set on a polytechnic education since secondary school. I did not know what my passion was but I knew I loved to plan events and that it was my strength. In SP, DEPM developed my skills and interests and gave me a good idea of the industry scene. The lecturers were all industry experts and often shared stories that inspired me to become just like them. Thank you SP for the valuable training!



Hang Zi Qi
DEPM Gold Medallist,
Class of 2019

COURSE HIGHLIGHTS

Authentic learning through planning and managing:

- School events
- Industry-linked projects such as MICE Forum, Singapore International Water Week, Accounting & Finance Asia, Standard Chartered Singapore Marathon & Bicentennial @ Fort Canning
- Internship Programme with overseas exposure opportunities
- Site visits and overseas trips

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship

CAREER OPTIONS

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

LANDSCAPE ARCHITECTURE

DLA - S94



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 15
Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 7
Any two other subjects	1 - 6

Note: To be eligible for admission, you must also have sat for one of the following subjects:

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



If you are motivated to help address climate change issues, are curious about how communities can be engaged in social spaces that influence their lifestyles and wonder how green spaces are carved out for people to enjoy in an urban city, choose DLA! You will learn how to be a landscape designer to fulfill these aspirations.

In DLA, you will be given the opportunity to express your uniqueness as a designer and an effective contributor to a team to transform the built environment. The course equips you with skills that will help you in digitalisation, design and documentation. These skill sets will help you to contribute to a profession that creates spaces for people to be close to nature with sustainability in mind. Upon completion of the course, there will be a diverse range of work opportunities and further education prospects in store for you.

COURSE HIGHLIGHTS

- First Year Common Foundation Programme, with Diploma in Architecture, Diploma in Interior Design and Diploma in Landscape Architecture students
- Design processes in landscape architecture
- Digitalisation skills for effective communications and construction
- Plant knowledge and landscape technologies to integrate greenery
- Materials technical applications for sustainable practices
- Project-based course to learn work flow in professional life
- Critiques for assessment to simulate real-world experience
- Internship with structured learning outcomes

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- 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

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 the University of Sheffield that offer module exemptions and advanced standing according to the respective university requirements.



The Diploma in Landscape Architecture provided an ideal environment to prepare me for my future in the landscape architecture industry. The myriad of projects provided me with tools to develop and express my creativity and channel them into the problem-solving process. Overall, my experience has been fulfilling and eventful. My supportive lecturers taught me the importance of staying abreast of the current affairs, keeping my knowledge relevant and developing myself holistically.



Ong Qin Hui
DLA Gold Medallist,
Class of 2020

REACHING GREAT HEIGHTS

Growing up, Tristan was fascinated by planes. From the plane's design to development, he wanted to learn everything. Impressed by Singapore Polytechnic (SP)'s teaching framework, good internship opportunities and wide range of facilities, Tristan enrolled in the Diploma in Aeronautical Engineering course via the Early Admissions Exercise.

Despite holding several leadership positions in his CCAs at SP including being the President of the SP Makers Club, Tristan excelled in his academics and even clinched the SP Engineering Scholarship. Always keen to put his knowledge to the test, Tristan took part in many competitions outside of SP. His team beat competitors from other polytechnics and even universities to clinch the first runner-up title with their proposed AI-enabled diagnostics solution to help in-flight aircraft with troubleshooting at the Aviation Safety Competition 2021. In 2019, the innovative solution to reduce response time during disasters developed by his team at the Humanitarian Disaster Relief Challenge was even presented to Senior Minister Teo Chee Hean during the Annual Global Space and Technology Conference.

Tristan only has one (ambitious) goal – to elevate the prominence and status of Singapore's aerospace sector in the world. Having already been offered a spot to read Mechanical Engineering at the Nanyang Technological University, he is definitely well on his way to achieving his goal.

TRISTAN VOON
Diploma in Aeronautical
Engineering (DARE)
Lee Kuan Yew Award recipient
Alumnus of Dunman
Secondary School



PSYCH-ED FOR HUMAN RESOURCE

Cherize had her mind set on pursuing a course in human resources (HR) at a polytechnic right from the start. Her father who was working in HR inspired her by showing her how small actions, such as matching the right people to the right jobs, could make a huge positive impact on an individual's life. She was also interested in improving her interpersonal skills and wanted to find out how psychology can interplay with HR.

Enrolling in SP's Diploma in Human Resource Management with Psychology course was just the first step in Cherize's journey at SP. Not only did the SP scholar invest in growing herself, she committed her time to helping others grow as the President of the SP Guitarists Club. Her efforts paid off as she and her club mates managed to put up a successful show at the Arts Fiesta concert in 2019.

Her gung-ho attitude was also apparent when she worked with a food and beverage company on a HR consultancy project. Cherize worked with her team to develop a new training and appraisal framework for the company, which received high praise. Ideas from the framework were eventually incorporated into the company's existing operations.

Ten years from now, Cherize hopes to help employees craft meaningful career pathways through upskilling and lifelong learning. For now, she has her sights set on furthering her studies and has already been accepted into Singapore Management University's Bachelor of Business Management course.

CHERIZE ZAIDI
Diploma in Human
Resource Management with
Psychology (DHRMP)
Chua Chor Teck Gold Medallist
Alumna of Yishun Town
Secondary School



SCHOOL OF BUSINESS



At SP School of Business, you can choose from a selection of diploma programmes that meets your interests and aspirations. Our diplomas are highly valued by employers and widely recognised by reputable universities and professional bodies. For example, the Diploma in Accountancy works with the Institute of Chartered Accounts in England and Wales (ICAEW) to create an accelerated pathway to pursue the Chartered Accountant qualification. You have opportunities to enhance your leadership skills, entrepreneurial mindset and resilience, build valuable local and overseas networks and gain solid real-life experiences for future studies or work. You will be supported by caring, dedicated and experienced lecturers.

Whether you study Accountancy, Business Administration, Banking & Finance or HRM with Psychology, through SP School of Business, you can become a Self-Made Achiever and be ready to impact the world through business innovation!

WHY SB?

School of Business provides you with:

- Firm foundation in business competencies
- Immersion in the world of business
- Right attributes to succeed
- Selection of choice courses
- Track record and reputation built up by our successful graduates

- 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 **Fax:** (65) 6772-1952
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/sb



BUSINESS

ACCOUNTANCY DAC - S75



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!

With the government's commitment to promote Singapore as a financial hub, accounting and finance professions are in high demand to keep up with our country's ever-growing economy. Pursuing SP's Diploma in Accountancy (DAC) is the first step you can take to embark on a journey of becoming an accounting professional or a Chartered Accountant (CA).

A VALUABLE EXPERIENCE

On your DAC journey, you will experience unique and interactive pedagogies through simulated cases, flipped classroom and team-based learning. This allows you to acquire key technical skills and essential soft skills such as communication, teamwork, problem-solving and lifelong learning skills. Apart from that, you will have the freedom to choose from various electives to further broaden and deepen your knowledge and skills.

We 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.

Beyond that, building on DAC's strong industry connections, you will get to embark on a 22-week internship in your third year with reputable local and overseas organisations. Our industry partners include the "Big Four" international accounting firms such as Deloitte, EY and PwC. On top of that, we partner with mid-tier accounting firms such as Audit Alliance, BDO, Foo Kon Tan and Mazars.

TAKE FLIGHT WITH DAC

Beyond the classrooms, you can look forward to overseas programmes, industry projects, community service projects, networking sessions and competitions. These open doors for you to build connections and develop skills for your future careers in the accounting world.

With our strong collaborations with professional accountancy bodies, you will get a head start in acquiring professional qualifications whilst in the polytechnic, such as:

- Association of Chartered Certified Accountants (ACCA) qualifications through the ACCA Accelerated Pathway Programme (AAPP).
- Diploma in Management Accounting with the Chartered Institute of Management Accountants (CIMA).
- ICAEW Certificate in Finance, Accounting and Business (CFAB).

In preparation for the digital world, you will be equipped with relevant IT skills such as Robotic Process Automation (RPA), programming and data analytics skills. You will have opportunities to apply these skills to real companies through the Client Project module, which will help them automate manual processes to improve productivity and harness the power of data to make better business decisions.

BE READY FOR A FULFILLING CAREER

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

- Accountancy
- Auditing
- Banking
- Finance
- Taxation

You may be granted up to one and a half years exemption from a typical three-year related degree course by overseas universities.

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

Should you choose to start working after your diploma, you may wish to pursue the Specialist Diploma in Professional Accounting and Technology offered by SP to deepen your knowledge and prepare yourself for the digital world. You may also consider the Advanced Diploma in Accountancy offered under the SkillsFuture's Earn and Learn Programme (ELP) in order to progress to the Singapore CA Programme, which will allow attainment of the Chartered Accountant of Singapore designation.

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 12
 Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 - 6
Mathematics (Elementary / Additional)	1 - 6
Any three other subjects	1 - 6

Note:
 To be eligible for admission, you must also have sat for one of the following subjects:

- 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 Chinese)
- Humanities (Social Studies, Literature in English)
- Humanities (Social Studies, Literature in Malay)
- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts



DAC has provided me with numerous opportunities to overcome my introverted nature and become more confident in public speaking and stepping out of my comfort zone. It has also trained me with a strong theoretical foundation coupled with practical applications for me to excel in both the client project and internship. Apart from the academic side of school, I was also involved in an overseas community service trip to Surabaya, Indonesia where I taught English to the local children while helping to renovate their classrooms. This experience reinforced my passion for community service and spurred me to lead the SP Rotaract Club as President. There's never a dull moment here!



Amrita Kaur D/O Ishwar Singh
 Tay Eng Soon Gold Medal,
 Alfred Robert Edis Prize, DAC
 Silver Medallist,
 Class of 2020

BANKING & FINANCE

DBKF - S76



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 - 6
Mathematics (Elementary / Additional)	1 - 6
Any three other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

- 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 Chinese)
- Humanities (Social Studies, Literature in English)
- Humanities (Social Studies, Literature in Malay)
- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts

Do you desire to excel in the financial sector and acquire specialist knowledge and skills related to banking, monetary and financial operations? The Diploma in Banking & Finance (DBKF) course is your perfect choice! DBKF will develop you to be future finance professionals with the mastery of both theory and skill sets that are needed to navigate the evolving world of finance.



EMBARK ON YOUR DBKF JOURNEY

Beyond the classroom, you will have opportunities to work on industry / data analytic projects, excel in competitions, network at seminars and job shadow in financial institutions. You will solve real-world problems through applied industry projects.

"Hands-on learning" is fundamental to the DBKF experience. There will be opportunities for you to acquire real-life experience through a variety of local and overseas programmes. Beyond the technical competencies, vital skills such as financial technology (FinTech) and data analytics are embedded in the programme.

A DIVERSITY OF CAREERS

DBKF graduates can attain fulfilling careers in areas such as:

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

DBKF graduates can also work in the finance department of any company. More than 93% of DBKF graduates found jobs within three months after graduation last year. If you are interested in further studies, the DBKF course is recognised by leading financial institutions, reputable universities and professional bodies.

You will go on a 22-week internship in your final year. Depending on your career preference, you may choose an internship with financial institutions, such as the Monetary Authority of Singapore (MAS), HSBC, OCBC, DBS and other leading organisations, or with Fintech companies to experience their entrepreneurial journey in Finance and Technology.

You will also be able to go on learning journeys and volunteer for overseas social innovation projects that allow you to make an impact on the wider world!

TREASURE THE EXPERIENCE

Our three-year full-time DBKF programme comprises a robust, future-ready curriculum with industry support. It is aligned with future industry needs, having been designed in close consultation with banking and finance industry partners. It prepares you in the following areas:

BUILD SOUGHT-AFTER DIGITAL & ANALYTICAL SKILLS

Earn yourself a solid working knowledge of technology associated with our banking and finance industry — Automation, Artificial Intelligence and Data Analytics. Our curriculum features digital marketing and digital user experience, which are skills that are highly sought after in the industry today.

ATTAIN VALUABLE MARKET EXPERTISE & INSIGHTS

You will gain industry knowledge and insights on financial markets and products, as well as the latest Fintech trends and developments that are disrupting the industry in areas such as:

- Business Banking
- Consumer Banking
- Financial Markets
- Risk & Compliance
- SME Finance

DEVELOP STRONG INDUSTRY RELEVANCE & RECOGNITION

You will solve real-world problems through applied industry projects, leveraging on our close industry links with Banks, Financial Institutions, Fintech Companies and SMEs (e.g. UOB, OCBC, DBS, Moolah Sense, ecxx.com, Pundi X). As a SP graduate, you are well recognised by local / foreign universities, professional bodies and the industry.

BUSINESS ADMINISTRATION

DBA - S71



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 13
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 - 6
Mathematics (Elementary / Additional)	1 - 6
Any three other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

- 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 Chinese)
- Humanities (Social Studies, Literature in English)
- Humanities (Social Studies, Literature in Malay)
- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts



Interested in being a business leader of the future? The Diploma in Business Administration (DBA) could be the course for you! DBA is designed to provide you with the essential knowledge, skills and insights that enable you 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.

YOUR ENRICHING JOURNEY

We bring you beyond textbooks and classrooms to broaden your learning experiences through engaging pedagogies such as act-learn-build, design thinking, flipped classroom and case-based methods.

In your first year, you will build a strong foundation in business skills through running an actual business! You and your classmates will create, develop, launch and manage a real business funded by SP with profits donated to a charity chosen by students. This is done through the Business Essentials Through Action module which is offered only to DBA students.

At the end of your first year, you will choose and create a career path for yourself in Year 2 and 3. You have the freedom to choose from a suite of interesting modules to develop skill sets in three exciting domain areas: Innovation & Entrepreneurship, Digital Marketing & Branding, and International Trade & Operations.

The modules you pick will determine if you graduate as a Specialist (1 domain area), a Dualist (2 domain areas), or an Integrator (3 domain areas). Unlike other courses, your modules are not fixed and predetermined in DBA. Starting in Year 2 and 3, you can select your desired modules based on your aspirations and interests from the three domain areas. Alongside modules you

have chosen for yourself, you will be enhancing your business fundamentals by learning and developing sought-after skills in financial management, business analytics & business law. All these skills will be put into practice through a specially designed module for you, to simulate the actual running and operations of a business. Your third year is when you thrive! You will work on an applied industry project, where you will put all you have learnt into action for an actual company, and embark on exciting internships with our industry partners who are passionate about grooming young talents.

We have strong industry partnerships and alliances so you can be work- and life-ready! Our industry partners such as Watsons Singapore, Gongcha, Singapore River Cruises, Shalom Movers, Keppel Logistics, Exion Asia, Bollere Logistics and many more have worked with DBA students as part of our curriculum. These client-based projects will help students apply knowledge, learning and skills to real-life business issues. DBA also offers students real work experience through hands-on consultancy projects in our Student Agency, a campus-based agency in which our students take on client projects. Furthermore, external competitions, networking events and seminars with industry experts will provide professional insights on industry trends and developments for you to map out your future!

MAKE YOUR FIRST COUNT WITH DBA

Here in DBA, we plant the seeds of opportunities to truly give you the best first experiences, from **setting up your first business in Year 1**, business proposals, digital transformation plans, cost-saving and revenue-generating initiatives to industry-related projects. Beyond that, an enriching internship placement awaits, offering practical work experiences, opportunities to gain professional skills in demand and invaluable industry connections in your chosen field of interest! We create multiple windows of opportunities for your growth to gain exposure by working and interacting with foreign counterparts in projects and other cultural exchanges. This will develop global perspectives necessary to address the challenges of our dynamic and interdependent world, allowing you to thrive in any industry.

PREPARE FOR FULFILLING CAREERS

Many career opportunities await you. 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
 - Digital / Social Media Marketing
 - Entrepreneurship / Startups
 - Humanitarian Logistics
 - Marketing Communications
 - Marketing Research
 - Manage Family Business
 - Operations Management
 - Production Management
 - Service Operations
 - Supply Chain Management

You can apply for further studies with local or foreign universities. Many of our DBA graduates have clinched prestigious scholarships to pursue business-related degrees in local and foreign universities.



The experience I gained in SP has shaped my aspirations and helped me develop life-long skills which will ensure that I am both work-ready and life-ready. I am also very thankful for the deep expertise and total dedication of my lecturers, who have been very inspirational, and supportive. They showed concern for my learning every step of the way. I made the right decision to join DBKF.



Charmaine Tan
DBKF Gold Medallist,
Class of 2019



In DBA, I was given the opportunity to develop in-depth expertise in business fundamentals, and also develop highly sought after skills in a myriad of areas such as business analytics and digital marketing. During my final year of studies, I also gained industry insights and acquired soft skills like cultural intelligence in an overseas attachment. The experience certainly widened my horizon and strengthened my skills and knowledge in the field of business operations.



Yow Yu Xuan
DBA Gold Medallist,
Class of 2019

COMMON BUSINESS PROGRAMME

CBP - S31



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 13
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 - 6
Mathematics (Elementary / Additional)	1 - 6
Any three other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

- 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 Chinese)
- Humanities (Social Studies, Literature in English)
- Humanities (Social Studies, Literature in Malay)
- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts

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! You will be exposed to the different sectors of business to see where your interests lie before deciding on a specialisation.



NAVIGATING YOUR INTERESTS

The CBP allows students to go through the same Year 1 curriculum as other SP School of Business (SB) students before they make their decision. Towards the end of Year 1 Semester 2, CBP students will rank their preferences among the four diplomas as follows:

- Diploma in Accountancy (DAC)
- Diploma in Banking & Finance (DBKF)
- Diploma in Business Administration (DBA)
- Diploma in Human Resource Management with Psychology (DHRMP)

CAREER OPTIONS

An education with SP 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!

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

EXPLORE BEFORE SPECIALISING

Through your CBP journey, there are many opportunities to explore the business disciplines you may be interested in. You will gain invaluable exposure to various branches in business studies, going on an experiential path to gain a better understanding of business before deciding on your specialisation.

FURTHER STUDIES

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

COMMON BUSINESS PROGRAMME (SB COMMON FIRST YEAR MODULES)

DAC

DBA

DBKF

DHRMP



CBP provides me with the perfect opportunity to learn the different aspects of business before deciding on my preferred specialisation. I also appreciate the many opportunities to engage with my seniors and industry alumni to gain insights into the different diplomas and industries. With these valuable insights and guidance from my dedicated lecturers, I was able to make a better and more informed decision on my ideal course and possible career in the future.



See Jae Yee
CBP first-year student

HUMAN RESOURCE MANAGEMENT WITH PSYCHOLOGY

DHRMP - S48



A REWARDING PATH

Our innovative and unique Human Resource Learning Studio provides a conducive environment to acquire HR-related skills in communication, presentation, interviewing, counselling and negotiation. You will also receive hands-on training throughout this highly engaging course, culminating in a final-year client-based project. With this comprehensive programme, our students consistently win top awards in national HR competitions. This journey is further enhanced through school-wide leadership programmes and overseas immersions.

Singapore Polytechnic has been appointed as "Sector Lead" for HR among the polytechnics and the Institute of Technical Education (ITE). Leveraging on our strong relationships with the HR community and industry partners, collaborations such as the co-location of Kelly Services Career Centre and selected HR Tech Partners on campus, industry talks and learning journeys provide students with authentic learning and first-hand experience of how high-value HR teams function.

A PLETHORA OF CAREERS

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

- Career Coaching
- Compensation and Benefits
- Employee Engagement
- HR Business Partnering
- HR Technology
- Learning and Development
- Talent Management
- Talent Sourcing and Acquisition

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

If you choose to start your HR career after graduation, you could further deepen your learning through on-the-job work experiences. For instance, SkillsFuture's Work-Study Programme for HR or SP's Specialist Diploma in Enhanced HR Skills. The Specialist Diploma is designed to support the national directive of maximising people's potential, enhancing human capital development and raising the overall standards of the HR profession in Singapore. It will broaden your knowledge and skills on some of the leading HR Technologies and tools to improve HR efficiency and effectiveness across the various HR functions.

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! Join us now!



Would you like to make a tangible impact in your company by harnessing the power of human capital? How about using your knowledge of psychology to enhance the effectiveness of individuals and organisations? You might be the perfect fit for the Diploma in Human Resource Management with Psychology (DHRMP).

SP is the first polytechnic to offer a full-time course in DHRMP. This comprehensive course is aligned with the national HR Skills Framework, equipping you with practical skills in human resource management, positive psychology and emotional intelligence. It incorporates professional assessment from the Institute for HR Professionals (IHRP), offering you the opportunity to be an IHRP Certified Associate (IHRP-CA). This provides you with a good head start in your IHRP certification journey when you pursue a career in HR.

We equip you with real-world experience to prepare you to be successful HR professionals in the global business environment.



I have always envisioned a career which allows me to engage actively with people, and SP's Diploma in Human Resource Management with Psychology (DHRMP) gave me the opportunity to realise this passion. During my time here, I have not only honed my technical skills but also gained various soft skills and exposure through internship programmes. My lecturers, who are experts in the field, have always inspired me to step out of my comfort zone and challenge conventional ways of doing things. The DHRMP experience has indeed moulded me into the person I am today.



Joscelyn Chong
Low Guan Onn Gold Medal,
DHRMP Gold Medallist,
Class of 2019

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 12
Aggregate Type: ELR2B2-B

SUBJECT	GRADE
English Language	1 - 6
Mathematics (Elementary / Additional)	1 - 6
Any three other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

- 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 Chinese)
- Humanities (Social Studies, Literature in English)
- Humanities (Social Studies, Literature in Malay)
- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese)
- Media Studies (English)
- Music
- Principles of Accounts

A NEW BEGINNING

In addition to acquiring key HR competencies in areas such as talent attraction, talent development and talent management, you will also gain business-centric skills in analytics, technology, problem-solving and design thinking throughout the programme.

You will gain corporate experience through the 22-week internship with varied industry partners and participate in HR events such as the Asia Pacific Federation of Human Resource Conference, HR Tech Festival Asia, Singapore HR Congress and Singapore HR Awards.

Prestigious DHRMP scholarships from leading organisations are also offered to students with academic excellence, CCA achievements and exemplary conduct.

SCHOOL OF CHEMICAL & LIFE SCIENCES



At the School of Chemical & Life Sciences (CLS), you can unlock the mysteries of science and create wonders to better life.

Our robust curriculum, coupled with strong links to industries, gives you an edge in your future workplace. You acquire lifelong skills that empower you to take on and excel in various fields, like applied chemistry, energy and chemicals, food and nutrition, healthcare, medical technology, as well as cosmetics and perfumery!

When you graduate, you can contribute to discoveries that enhance the quality of life.

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

School of Chemical & Life Sciences
Tel: (65) 6775-1133 Fax: (65) 6772-1976
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/cls

WHY CLS?

In CLS, we pride ourselves on optimising the human factor.

Our lecturers are well trained in teaching pedagogies and are richly experienced in their respective fields. Most importantly, they are passionate in their shared purpose to mould you into competent adults ready for the world.

We have alumni who are now award winning scientists. Our graduates have also been admitted to read chemical engineering, chemistry, dentistry, life sciences, medicine and pharmacy at various local and overseas universities.

Our graduates do not just excel in the academic field. Some have gone on to become successful entrepreneurs, having benefited from being exposed to numerous industry-related projects and collaborations during their studies.

Do not simply take our word for it. Read on to find out exactly what our graduates think of our courses and lecturers.

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



CHEMICAL & LIFE SCIENCES APPLIED CHEMISTRY DAPC - S64



Discover the mysterious and captivating properties of chemicals, drugs and materials by going on an exciting applications-based journey with us. The Diploma in Applied Chemistry (DAPC) is the first diploma in Singapore to focus on building a strong foundation in chemistry which provides you the versatility to work in various chemistry-related sectors.

The DAPC course provides the learning environment for you to conduct research on, synthesise and test new chemicals, drugs and materials. By the end of the course, you will be able to solve problems independently and experience what it is like to work at the frontiers of investigative chemistry.

Through a specially developed progressive learning strategy, you will be imparted with knowledge acquisition skills on fundamental chemistry principles during your first year. In the second year, you will be equipped with the skills to perform chemical investigations and interpretation of results using real-life situations. During your third year, you will be able to develop and optimise new products or methods to improve lives, hence igniting your creativity.

Upon graduation, you will be ready to contribute to the chemical, pharmaceutical and materials-related industries or further your studies in tertiary institutions.

COURSE HIGHLIGHTS

- First diploma in Singapore on Applied Chemistry
- Choose from one of these specialisations: Pharmaceutical Science, Industrial Chemistry, or Materials Science
- Course is recognised by the UK Royal Society of Chemistry (RSC) and the UK Institute of Materials, Minerals and Mining (IOM3)
- Work with state-of-the-art equipment in well-designed laboratory suites: Analytical & Forensic Chemistry, Pharmaceutical Chemistry and Materials Science
- Internship or dedicated research experience with local and overseas institutions

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

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 2021 JAE ELR2B2: 3 - 9
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



Chemistry is fun! With like-minded peers who are also passionate about chemistry, I am truly blessed to have graduated from DAPC. Broad-based learning in SP has definitely sharpened my skills and knowledge to face the constantly changing future.



Chua Rui Fen
DAPC Gold Medallist, Class of 2019, who is now pursuing a Chemistry and Biological Chemistry degree at Nanyang Technological University



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 7
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Biotechnology • Chemistry • Food & Nutrition • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	



Biomedical Science is all about the science that 'saves lives' — from the research activities for knowledge and application in the life sciences and biopharmaceutical industries, to medical testing for diagnosis, management and prevention of diseases.

Our students can choose from three exciting specialisations:

- Medical Technology**
 Medical testing for diagnosis and management of human diseases
- Cardiac Technology**
 Cardiac functions testing for diagnosis and intervention of heart-related diseases
- Biotechnology**
 Focuses on life sciences that exploit biological processes of living organisms to improve the quality of human life

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

CAREER OPTIONS

- Administrator (Medical Industry)
- 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

SCHOLARSHIPS

- A*STAR Science Award
- MOH Holdings Scholarships
- Singapore Polytechnic Scholarships



I thoroughly enjoyed my three years in DBS. The content taught in lectures prepared us for the challenges in the real clinical world. The course nurtured my interest and passion in healthcare. In addition, I was exposed to the bio-business industry during my internship and now I am inspired to join the same industry in the near future.



Fan Chongyue
DBS Gold Medallist,
Class of 2019

COURSE HIGHLIGHTS

- Internship at top-notch laboratories including A*STAR institutes and top-ranked overseas universities
- Training partnership with the National Heart Centre Singapore for Cardiac Technology specialisation provides an authentic learning experience
- Head start to a career in an MNC: Internship at multinational biopharmaceutical companies
- Opportunity to expand interests through elective modules in Forensic Biology, Cytogenetics or Introductory Pharmacology



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 6 - 13
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Biotechnology • Chemistry • Design & Technology • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	



Chemical engineering is the discipline which integrates sciences with applied mathematics and engineering principles. It takes laboratory ideas and turns them into value-added products using cost-effective, safe and cutting-edge processes for the chemical industry.

Some famous chemical engineers in history include John McKeen, who designed the first industrial-scale production of penicillin that saved thousands of soldiers' lives during World War II; Carl Bosch who invented the Haber-Bosch process to produce ammonia, a critical ingredient in synthetic fertilisers that enable us to produce enough food to feed the Earth's growing population.

Join us if you aspire to be like the above prominent chemical engineers who make real, significant impact in improving our world for a better tomorrow!

CAREER OPTIONS

- Assistant Biotechnologist
- Business Development Executive
- Engineering, Procurement and Construction (EPC) Engineer
- Health, Safety Environmental (HSE) Officer
- Laboratory Technologist
- Logistics and Supply Chain Specialist
- Maintenance Specialist / Technician
- Process Engineer / Technician / Technologist
- Production Technician
- Project Management Engineer
- Quality Assurance / Control Engineer
- Sales and Marketing Engineer

COURSE HIGHLIGHTS

- First diploma programme in Singapore to be fully-accredited by the Institution of Chemical Engineers, IChemE, United Kingdom. The full IChemE accreditation signifies worldwide recognition by universities and industries of the rigour and quality of our programme
- Triple-winner of IChemE's Excellence in Education and Training award, which signifies the outstanding quality of our programme
- First chemical engineering diploma course in the world to adopt the Conceive-Design-Implement-Operate (CDIO) education framework which is in collaboration with top universities such as Massachusetts Institute of Technology, United States and Tsinghua University, China
- Internship at local and overseas chemical processing companies and institutions

SCHOLARSHIPS

- A*STAR Science Award
- Mitsui Chemicals Scholarship
- 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.



DCHE has provided me with a valuable learning experience over three years. The training facilities on campus allowed me to hone my problem-solving skills in chemical process operations. This was definitely useful when I embarked on my final-year project at the prestigious Institute of Materials Research and Engineering (IMRE) within the Agency for Science, Technology and Research (A*STAR), where I got to explore ways to improve the efficiency of Solar Cell technology.



Songkiat Ow Shiyuan
DCHE Gold Medallist,
Lee Kuan Yew Award
recipient, Class of 2019

FOOD SCIENCE & TECHNOLOGY

DFST - S47



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 12
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects	1 - 6

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



Want to uncover the mysteries of food or excite the taste buds of consumers? Come join the Diploma in Food Science & Technology (DFST) at SP.

You will discover the world of food — from raw ingredients, processes, packaging to finished consumer products. Our carefully designed curriculum has a strong emphasis on design thinking and industry-linked projects.

Upon graduation, you will be equipped with relevant knowledge and skills to join the ranks of food technologists to innovate and produce foods that are safer, healthier and tastier!

COURSE HIGHLIGHTS

- Well-equipped facilities such as the Food Creation Lab, Dough and Roll Studio, Food Analysis Lab, Food Processing & Packaging Lab and Biotransformation Lab
- Work with the Food Innovation & Resource Centre (FIRC) at SP, a one-stop centre that provides integrated consultancy, advice and training for food companies
- This course is certified by the International Union of Food Science & Technology (IUFOST) for having met international standards and guidelines
- Opportunities to acquire a global perspective on research, product development and food operations through overseas internships or learning journeys
- Successful commercialisation of a portfolio of food products including the XO Kaya, Lemon & Kalamansi drink etc

FURTHER STUDIES

You can apply for related degree programmes at local or overseas universities such as the Bachelor of Science — Food Science and Technology at the National University of Singapore; or the Degree in Biological Sciences with a Second Major in Food Science and Technology or the Degree in Chemical and Biomolecular Engineering with a Second Major in Food Science and Technology or the Degree in Chemistry and Biological Chemistry with a Second Major in Food Science & Technology at Nanyang Technological University. You can also apply for admission to the Bachelor of Food Technology (Honours) programme or the Bachelor of Professional Studies in Culinary Arts Management offered by the Singapore Institute of Technology.



The DFST curriculum is extensive, with a focus on experiential and applied learning, which prepares me for the food industry. This three-year journey has further fuelled my passion for food, science and technology!



Yong Hon Keat
DFST Gold Medallist,
Class of 2019

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

OPTOMETRY

DOPT - S67



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 13
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



Take a moment to consider the importance of eyesight and the impact it makes once it is lost. Indeed, caring for the health of others is a noble calling, especially when it comes to something as important as eye care.

The scope of optometry includes managing refractive errors (such as myopia and presbyopia) through spectacle and contact lens correction, and detecting common eye diseases (such as cataract, diabetic retinopathy and glaucoma).

Our three-year Diploma in Optometry (DOPT) course aims to produce professionally competent optometrists who are in good demand. Due to the high prevalence of myopia in children and a rapidly ageing population, quality optometrists are highly sought after.

COURSE HIGHLIGHTS

- First tertiary institution in Singapore to offer this course since 1994
- Our students start working with patients in the first year and continue with greater responsibilities in subsequent years
- Excellent clinical and laboratory facilities and SP Optometry Centre provides you with hands-on experience using state-of-the-art precision instruments and equipment
- Register as a provisional optometrist with the Optometrists and Opticians Board after graduation
- Regular industrial attachments at hospitals, optometric practices, contact lens or ophthalmic lens companies to widen your scope and experience in optometry
- 17-week-long internship in the final semester as a key component
- Opportunities for overseas exposure via community service projects or attachments to optometry schools and research institutions abroad

CAREER OPTIONS

- Lens Consultant
- Marketing and Customer Development Executive
- Optometrist at retail optical outlets
- Optometrist at hospitals and eye clinics
- Professional Affairs Executive
- Research Optometrist

SCHOLARSHIPS

- MOH Holdings Scholarships
- Singapore Polytechnic Scholarships

FURTHER STUDIES

SP Optometry diploma allows direct entry into the second or third year of overseas optometry degree programmes. You are also eligible to apply for many non-optometry degree programmes at local universities, including Medicine at NUS and Biological Sciences at NTU.

Applicants with severe vision impairment may encounter difficulties meeting the course requirements and expectations. Please refer to the Ministry of Health (MOH) website on "Fitness to Practice" for registered Optometrists.



DOPT's clinical training sessions have trained me to be proficient in the detection and diagnosis of eye diseases. There are also various modes of teaching, including realistic case-based learning and numerous practical sessions. As a future Optometrist, I believe that I can save sight and lives, and make a difference in the world.



Shazwan Tan Wen Hao
DOPT Gold Medallist,
Class of 2019

PERFUMERY & COSMETIC SCIENCE

DPCS - S38



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 4 - 12
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



This is the course for you if you have the passion to formulate products that can provide age-defying looks or uncover the secrets of fragrance creation.

You are cordially invited to begin your journey with the Diploma in Perfumery & Cosmetic Science (DPCS) at SP.

It is the only local diploma programme that provides training in chemistry with applications in perfumery and cosmetic science. You will have an integrated learning experience where you will build a strong chemistry foundation and apply your knowledge in specific applications using your senses.

With this unique training in SP, your skills will be highly sought after not just locally but internationally in the lucrative and recession resistant fragrance and cosmetic industries.

COURSE HIGHLIGHTS

- Specialisation in Chemistry, Perfumery and Cosmetic Science
- Get trained in our state-of-the-art Consumer Chemicals Technology Centre (CCTC) and Perfumery & Cosmetic Science Centre (PCSC)
- Collaborate with industry partners for real and exciting experiences in making perfumes and cosmetic products, producing fragrance raw materials through organic synthesis and extraction of essential oils
- Internship with perfumers, chemists, product formulators in specialty chemical companies, flavour and fragrance houses or fast-moving consumer goods companies
- Course is aligned to training in 'Analytical Instrumentation and Laboratory Technique' accredited by the UK Royal Society of Chemistry (RSC)

CAREER OPTIONS

- Chemist
- Formulator
- Fragrance Evaluator
- 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

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.

THE ENGINEERING WUNDERKIND

Kimberly coasted through her early secondary school years until she attended an Electrical & Electronic Engineering Advanced Elective Module (AEM) conducted by Singapore Polytechnic (SP) when she was in Secondary Three. This was the turning point in her life — she found her calling to be an engineer.

She applied to enter SP through the Polytechnic Foundation Programme (PFP) and while she did not see the benefits of PFP initially, she was grateful she took it. Kimberly realised she could understand the mathematical and scientific concepts easily which helped her excel in her course. She also overcame her fear of public speaking by volunteering to share her SP experience with secondary school students at talks and roadshows as part of her duties as a Core Leader with the SP ACERs.

The passion to use her engineering skills for the greater good shone through during the COVID-19 pandemic. Rallying a group of friends and fellow engineers, Kimberly was part of a ground-up initiative that produced 3D-printed mask straps for healthcare workers and frontliners, after realising such straps could alleviate the pain of wearing masks for prolonged periods.

The budding female engineer has already applied to Nanyang Technological University's Renaissance Engineering Programme and aspires to work in the engineering industry in the near future.

KIMBERLY SURIYA

Diploma in Mechatronics & Robotics (DMRO)

Lee Kuan Yew Award recipient
Alumna of Kranji Secondary School



RYAN ONG

Diploma in Aerospace Electronics (DASE)

Lee Kuan Yew Award recipient
Alumnus of Kranji Secondary School

SEEING HIS DREAMS TAKE FLIGHT

Ryan was enamoured with the science of flight and the magic of aviation from a very young age. Inspired by his father and uncle who were engineers, as well as his strong interest in electronic systems and its application to aircraft, Ryan secured a place in Singapore Polytechnic (SP)'s Diploma in Aerospace Engineering (DASE) course through the Early Admissions Exercise.

Besides excelling in his studies at SP, Ryan believed strongly in using his engineering knowledge to better the lives of the disadvantaged. He led a team of 15 SP students on his Overseas Social Innovation Programme (OSIP) to develop a sustainable and efficient pond system for local fish farmers in Cambodia.

Ryan also constantly challenges himself to surpass his limits. Not only did he write a research paper that impressed his internship supervisor at the Institute of Microelectronics at the Agency for Science, Technology and Research (A*STAR) Singapore, he also submitted innovative solutions to competitions such as the Lee Hsien Loong Interactive Digital Media SMART Nation Competition and the Cogito Ideation Competition.

Ryan aspires to design and implement technological solutions that would have a positive impact on the lives of Singaporeans, but first, he hopes to further his studies in Electrical & Electronic Engineering in the United Kingdom.

SCHOOL OF COMPUTING



You dream of harnessing technology to make a difference in people's lives. You want to build software applications like Instagram and Carousell to connect communities. You want to create revolutionary AI applications with voice and image recognition features to improve lives. You want to be a cyber defender. You want to work on real-life industry projects. If these are your dreams, the School of Computing (SoC) can help turn your Dreams into Reality through the following IT diploma programmes:

- APPLIED AI & ANALYTICS (S30)
- COMMON INFOCOMM TECHNOLOGY PROGRAMME (S32)
- INFOCOMM SECURITY MANAGEMENT (S54)
- INFORMATION TECHNOLOGY (S69) with Specialist Elective tracks:
 - Immersive Simulation
 - Software Development
 - User Experience (UX)

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

School of Computing
Tel: (65) 6775-1133 **Fax:** (65) 6772-7912
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**
A design studio specialising in advance software capabilities to simulate immersions into the virtual and augmented worlds. Students develop immersive VR applications to tackle industry requirements and problems.
- 1.3 Project INC**
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**
Students get to hone their cyber defence skills through scenario-based simulated cyber attacks.
- 1.5 AI and Analytics Colab**
Equipped with a high-performance computing server, students can experiment with deep learning applications to distil hidden insights in big data.

#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 Cyber Security.

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

- 3.1** We provide an alternative learning pathway — known as the INDUSTRY NOW CURRICULUM (code-named Project INC) from Year 2 onwards for our Diploma in Information Technology students.
- 3.2** In lieu of attending module classes, students take on IT job roles, such as software developers, at the software student agency Project INC. They will work on curated industry projects to 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.

In Year 3, students have the opportunity to take on leadership roles at Project 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.

APPLIED AI & ANALYTICS

DAAA - S30



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 makes it possible for devices and programmes to respond to us in a human-like manner.

This is changing how we live, work and communicate. Soon, it will become an integral part of our daily lives. The question is, are you interested to develop the next AI that benefits our world?

If your answer is yes, we've designed the Diploma in Applied AI & Analytics just for you!

COURSE HIGHLIGHTS

We know you want to...

BE PART OF THE REVOLUTION:

AI & data analytics are the key underpinning technologies for transforming every industry, including manufacturing, healthcare and more!

EMPOWER YOUR FUTURE:

Gain a competitive edge pursuing your passion as a data analyst, data engineer or an AI practitioner.

NEVER BE BORED:

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

PROFESSIONAL CERTIFICATIONS:

Students can opt to take up the professional certifications such as Microsoft Certifications and AI Singapore – AI Certification, to gain industry recognition during their course of study.

CAREER OPTIONS

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

- Application Developer
- Business Intelligence Specialist
- Data Analyst
- Data Scientist
- Data Engineer
- Software Developer

SCHOLARSHIPS

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



The curriculum in the Diploma in Applied AI & Analytics covers skill areas relevant to the AI & Analytics domain. Students graduating are potential hires for the roles of Junior AI engineers.



Lawrence Liew
Director, AI Industry Innovation
AI Singapore

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 9
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

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

FURTHER STUDIES

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



The programme is designed with a useful and relevant curriculum that imparts students with important skills to contribute to the workforce in the AI and Analytics domain. We would be interested in collaborations with Singapore Polytechnic in the form of providing industry projects, internships and to engage them in sharing sessions on industry practices.



Audrey Kuah
Managing Director
Dentsu Aegis Network Global Data
Innovation Centre

COMMON INFOCOMM TECHNOLOGY PROGRAMME

CITP - S32



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

At the end of Year 1 Semester 1, you will be able to make an informed choice in selecting one of the IT courses that you wish to pursue:

- S30 Diploma in Applied AI & Analytics (DAAA)
- S69 Diploma in Information Technology (DIT)
- S54 Diploma in Infocomm Security Management (DISM)

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 12
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:

To be eligible for admission, you must also have sat for one of the following subjects:

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

COURSE HIGHLIGHTS

The programme offers:

- Fundamental IT modules to give you an insight into what interests you
- Common foundational modules and comprehensive exposure to various areas of IT through education and career guidance activities
- A curriculum which includes IT career guidance to prepare graduates for upcoming trend in the IT sectors
- The common first semester will lay the foundation for programming and computing for the Diploma in Applied AI & Analytics (DAAA), Diploma in Infocomm Security Management (DISM) and the Diploma in Information Technology (DIT) courses



The CITP allowed me to explore the diverse fields of cyber security and data science. This allowed me to make a more informed decision on which full-time course to pick.



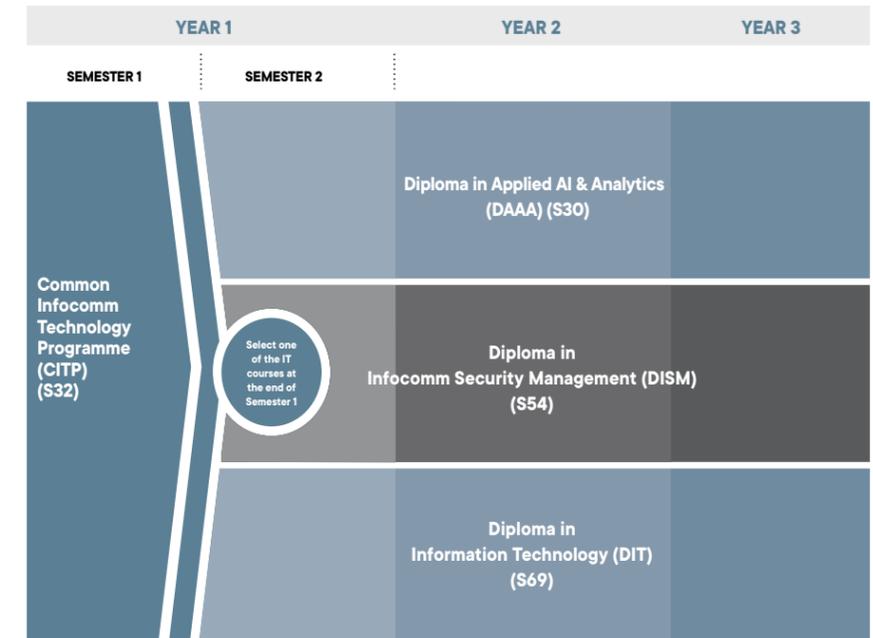
Lim Chuan Hao
CITP student,
Class of 2019

CAREER OPTIONS

To be streamed to either DAAA, DISM or DIT course after one semester in SP.

FURTHER STUDIES

You can pursue an IT degree programme at a local or foreign university.



INFOCOMM SECURITY MANAGEMENT

DISM - S54



Anonymous hackers are attempting to gain access to classified information on a computer system and you need to stop them from carrying out this malicious attack. At the Cyber Wargame Centre, we create such realistic scenarios to prepare you for the REAL cyber threats!

Technology is ever present in our everyday activities, so the need to guard against cyber threats is more critical than ever before!

COURSE HIGHLIGHTS

SIMULATED-PRACTICE LEARNING ENVIRONMENT

The Cyber Wargame Centre provides you with real-time practice and a learning environment through Cyber Wargame exercises — you can launch cyberattacks, build cyber defences and delve into the world of forensics investigation.

COMPREHENSIVE CURRICULUM

To prepare you for both further studies and working life, the DISM curriculum covers the important areas of security technology, security management, information technology, law and teamwork and communications.

PROFESSIONAL CERTIFICATION

Gain industry recognition through certifications such as EC-Council Certified Ethical Hacker, Certified Hacking Forensic Investigator, ThinkSECURE Organisational Systems Security Analyst and the Organisational Systems Wireless Auditor.

CAREER OPTIONS

- Applications Developer with IT security solution providers, auditing and consultancy firms, banking and financial institutions, public and private organisations that require IT security services.
- Associate Security Analyst / Consultant
- Cyber Risk Analyst
- Incident Investigator / Forensic Investigator
- IT Auditor
- Security Engineer
- Security / Systems Administrator

SCHOLARSHIPS

- Centre for Strategic Infocomm Technologies (CSIT) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship
- Singapore Digital (SG:D) Scholarship (Polytechnic)
- Singapore Polytechnic Scholarship
- Singtel Cyber Cadet Scholarship

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 11
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

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

FURTHER STUDIES

You can pursue further studies at local or foreign 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.



With DISM, what began as “something cool” to study after secondary school turned into a career with high potential. I learnt from excellent lecturers who engaged us in hands-on learning to help me better understand the many facets of information security. Through opportunities such as internships, certifications and competitions, I also gained valuable insights into the cyber security industry. It is an industry that is constantly evolving and I am glad that SP has prepared me well for it.



Teo Chuan Kai
Recipient of the Public Service Commission Scholarship,
Class of 2019

INFORMATION TECHNOLOGY

DIT - S69



Information Technology (IT) is the driving force behind many digital transformations we see and use today, including the Smart Nation vision.

In Singapore, there continues to be a strong demand for IT professionals in software development and user experience (UX) design, and in immersive simulation technologies such as augmented and virtual reality.

COURSE HIGHLIGHTS

INDUSTRY NOW CURRICULUM (INC) Industry Project Learning Approach — Project INC pathway

If you thrive on learning-by-doing, you can opt for this alternative learning pathway in your second and third year of study. In lieu of attending traditional module classes, you get to work as software developers at an industry-facing student agency known as Project INC on real client industry projects to gain credits.

INDUSTRY CERTIFIED CURRICULUM (IC²)

To help you deepen your knowledge in areas of your passion, we will help you gain certifications that are aligned to the industry. Throughout your first and second year of study, we will identify certifications available upon completion of a module. These recognised certifications will allow you to get better career opportunities.

FLEXIBLE COURSE OF STUDY

Choose any one of the three most in-demand areas of IT to focus on:

- **Software Development Specialist**
- **Immersive Simulation Specialist**
- **User Experience (UX) Design**

AWESOME OPPORTUNITIES

We open doors for you to work with leading industry companies such as Microsoft, Accenture, GovTech, CrimsonLogic, KPMG, Singtel, FWD Insurance, DBS, UOB, Associates Consulting and Ubisoft Singapore through internship opportunities and project collaborations.

GET A HEAD START FOR LOCAL UNIVERSITIES

You can pursue an IT-related degree in both local and overseas universities with advanced standing.

IMMERSIVE EXPERIENCE TECHNOLOGY CENTRE (IXTC)

Students immerse themselves in real-world learning by doing real customer projects with our industry partners in the focal areas of Solution Development and Immersive Media.

CAREER OPTIONS

- Analyst Programmer
- Applications Developer
- Business Analyst
- Extended Reality (XR) Developer
- Full Stack Web Developer
- Games Programmer
- Information Systems Officer
- IT Consulting Analyst
- IT Support Personnel
- Software Engineer
- Software QA Engineer
- Systems Analyst
- UI Designer
- UX Designer
- Web Developer

SCHOLARSHIPS

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

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 14
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

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



I've always had a passion for IT, and being able to study the subject I love made the journey fun and engaging. In DIT, I was taught solid skills and was mentored by lecturers who went above and beyond. My achievements are not my own, but a culmination of the guidance and work put in by the lecturers.



Azeem Arshad Vasanwala
Toh Chin Chye Gold Medallist,
IMDA Gold Medallist,
Singapore Digital (SG:D)
Scholarship recipient,
Class of 2017

FURTHER STUDIES

Quench your thirst for knowledge at local or foreign 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.

MEDIA, ARTS & DESIGN SCHOOL



Media has the power to influence people's perceptions and ideas. The Arts ignite our senses and expand our minds. Design can change the way we shape, perceive, understand, enrich and experience life.

In a world that is volatile and complex, an education to hone your creativity and imagination opens up pathways to careers in the fields of media, arts and design, where you can make a difference in workplaces, products, experiences and communities.

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

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

- Developing creativity using studio-based and transdisciplinary pedagogical methods
- Tapping on our industry-rich lecturers to equip students with the skills and mindsets to solve problems
- Providing authentic learning spaces modelled after the real world in the same line work environments
- Collaborating with industry partners to prepare students for employment

If you see yourself making a difference in the media, arts or design field in the future, and are curious, brave, tenacious and empathetic, this is the place for you.

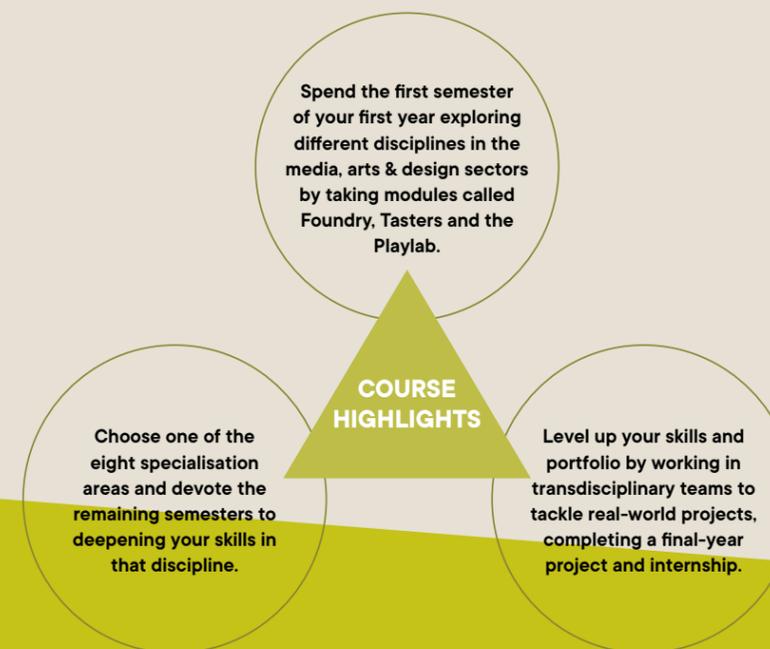
Here in MAD School, our students are trained to take what they imagine to be possibilities — and turn them into realities.



MEDIA, ARTS & DESIGN DMAD - S29

DMAD responds to disruptions that have caused current skills in the media, arts & design sectors to evolve and some skills to merge. Employers not only need graduates with complementary skills instead of one skill, but also the ability to collaborate, problem-solve, be creative, empathetic, resilient and confident.

DMAD is a course that trains you to be strong in one core discipline and equips you with complementary skills and mindsets to thrive in this evolving world of the new normal.



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 4 - 11

Aggregate Type: ELR2B2-D

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 7
Any two other subjects	1 - 6

Note: To be eligible for admission, you must also have sat for one of the following subjects:

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

ANIMATION & GAME ART SPECIALISATION



The Animation & Game Art specialisation aims to equip you with essential skills to produce quality and creative content for various digital platforms, including film and games. You will develop strong foundations in art and aesthetics, supplemented by sound technical knowledge that you can apply in your future work.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development
- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- 3D Art Asset Creation 1
- Animation 1
- Drawing
- Elective 1
- Narrative Thinking
- Visual Storytelling 1

SECOND YEAR

2

- 3D Art Asset Creation 2
- 3D Art Asset Creation 3
- Animation 2
- Animation 3
- Concept Art & Design
- Elective 2
- Figure Drawing & Anatomy

- MAD Studio Project
- MAD White Space 1
- MAD White Space 2
- Portfolio Development
- Social Innovation Project
- Visual Storytelling 2

THIRD YEAR

3

- Creature Effects
- Elective 3
- Final-Year Project

- Internship Programme
- User Interface And Experience Design

APPLIED DRAMA & PSYCHOLOGY SPECIALISATION



The Applied Drama & Psychology specialisation aims to equip you with the knowledge of how drama can be applied in non-theatre settings in order to engage different communities of people. The study of psychology will also be included to ensure that the work that you do is relevant and appropriate for the community you engage.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development
- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- Devised Drama
- Elective 1
- Facilitation Practices
- Key Issues in the Lifespan
- Narrative Thinking

SECOND YEAR

2

- Community Psychology
- Drama-In-Education
- Educational Psychology
- Elective 2
- Forum Theatre
- Health Psychology
- MAD Studio Project

- MAD White Space 1
- MAD White Space 2
- Reminiscence Theatre
- Social Innovation Project
- Special Needs Education
- Theatre-in-Education

THIRD YEAR

3

- Casework & Professional Practice
- Elective 3
- Final-Year Project
- Internship Programme
- Programme Management

DESIGN FOR COMMUNICATION & EXPERIENCE SPECIALISATION



The Design for Communication & Experience specialisation aims to grow and develop a talent pool of graduates to be versatile creative thinkers, who can design beyond the visual experience of a brand. It offers solid foundation in visual communication skillsets — visual design, advertising, branding, photography and video production, user experience and interaction design — and cultivates a deeper understanding of user-centred design.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development
- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- 2D Motion Graphics
- Digital Photography Imaging
- Elective 1
- Experience Design Studio
- Narrative Thinking
- Visual Design

SECOND YEAR

2

- Brand Communication Studio 1
- Brand Experience Studio 1
- Digital Product Design Studio
- Elective 2
- MAD Studio Project
- MAD White Space 1
- MAD White Space 2

- Portfolio Design
- Social Innovation Project
- Video and Audio Fundamentals

Choose One of Two

- Brand Communication Studio 2
- Brand Experience Studio 2

THIRD YEAR

3

- Elective 3
- Experience Design Studio 2

- Final-Year Project
- Internship Programme

GAME DESIGN & DEVELOPMENT SPECIALISATION



The Game Design & Development specialisation aims to equip you with essential skills and knowledge to create engaging, experiential and interactive media content for entertainment, simulation, training and information visualisation, on different platforms and mediums. You will develop the know-how to infuse rigorous design values and develop key skills required.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development

- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- Analog Game Design
- Digital Game Design
- Elective 1
- Game Design and Development Studio 1

- Game Production and Management
- Mobile Game Development
- Narrative Thinking

SECOND YEAR

2

- 3D Game Development 1
- 3D Game Development 2
- Elective 2
- Ethics and Law of IT and Media
- Game Asset Production

- Game Design and Development Studio 2
- Immersive Media Fundamentals
- MAD Studio Project
- MAD White Space 1

- MAD White Space 2
- Mathematics for Games
- Social Innovation Project
- User Interface and Experience Design

THIRD YEAR

3

- Elective 3
- Game AI and Multiplayer Programming

- Game Design and Development Studio 3
- Immersive Application Development
- Internship Programme

INTEGRATED MARKETING COMMUNICATIONS SPECIALISATION



The Integrated Marketing Communications (MarCom) specialisation aims to develop you to be skilled communications professionals who can strategise MarCom campaigns and create insights-driven branded content. You will be trained to craft compelling brand stories and use digital and MarCom tools to tell these stories effectively.

FIRST YEAR

- | | | |
|--|---|---|
| <p>1</p> <p>First Semester</p> <ul style="list-style-type: none"> • Critical and Analytical Thinking • PlayLab <p>Foundry Modules</p> <ul style="list-style-type: none"> • Principles of Design • Story Craft • Understanding Humans & Communities | <p>Taster Modules (Complete Four)</p> <ul style="list-style-type: none"> • Digital Game Design & Development • Drama & Performance • Information Design • Introduction to 3D Arts • Reimagining Brands • Awesome Motion Design! • Sound & Music • Storytelling for Digital Media | <p>Second Semester</p> <ul style="list-style-type: none"> • Branding Fundamentals • Elective 1 • Narrative Thinking • Research Methods • Video and Audio Fundamentals • Writing Across Media Platforms |
|--|---|---|

SECOND YEAR

- | | |
|--|---|
| <p>2</p> <ul style="list-style-type: none"> • Advertising • Building a Brand • Digital Analytics • Digital Content Development • Digital Marketing • Elective 2 • MAD Studio Project | <ul style="list-style-type: none"> • MAD White Space 1 • MAD White Space 2 • Public Relations • Social Innovation Project • Web Design • Writing for News, Features and Branded Content |
|--|---|

THIRD YEAR

- | | |
|--|--|
| <p>3</p> <ul style="list-style-type: none"> • Elective 3 • Final-Year Project • IMC Studio Project | <ul style="list-style-type: none"> • Internship Programme • Media Law & Ethics |
|--|--|

MOTION DESIGN & EFFECTS SPECIALISATION



The Motion Design & Effects specialisation aims to train students to design beautiful 2D and 3D motion graphics and effects for film, television and social media content.

FIRST YEAR

- | | | |
|--|---|---|
| <p>1</p> <p>First Semester</p> <ul style="list-style-type: none"> • Critical and Analytical Thinking • PlayLab <p>Foundry Modules</p> <ul style="list-style-type: none"> • Principles of Design • Story Craft • Understanding Humans & Communities | <p>Taster Modules (Complete Four)</p> <ul style="list-style-type: none"> • Digital Game Design & Development • Drama & Performance • Information Design • Introduction to 3D Arts • Reimagining Brands • Awesome Motion Design! • Sound & Music • Storytelling for Digital Media | <p>Second Semester</p> <ul style="list-style-type: none"> • 3D Fundamentals • Elective 1 • Motion Design • Narrative Thinking • Video & Audio Fundamentals • Visual Design |
|--|---|---|

SECOND YEAR

- | | |
|---|--|
| <p>2</p> <ul style="list-style-type: none"> • Cross-Platform Design • Digital Compositing • Dynamic Typography • Effects Animation • Elective 2 | <ul style="list-style-type: none"> • MAD Studio Project • MAD White Space 1 • MAD White Space 2 • Production for Visual Effects • Social Innovation Project |
|---|--|

THIRD YEAR

- | | |
|---|--|
| <p>3</p> <ul style="list-style-type: none"> • Elective 3 • Emerging Media • Film Titles | <ul style="list-style-type: none"> • Final-Year Project • Internship Programme |
|---|--|



The Music Production specialisation aims to produce musical and audio content creators and contributors for the media, arts and entertainment sectors. You will learn to integrate the different processes involved in the creation and production of musical and audio content, e.g. music theory, arranging, composition, musicianship, performance, and modern music and audio production techniques.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development
- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- Arranging & Composition 1
- Elective 1
- Music Production Techniques 1
- Music Theory 1
- Musicianship & Performance 1
- Narrative Thinking
- Production Workshop 1

SECOND YEAR

2

- Arranging & Composition 2
- Arranging & Composition 3
- Elective 2
- MAD Studio Project
- MAD White Space 1
- MAD White Space 2
- Music Production Techniques 2

- Music Production Techniques 3
- Music Theory 2
- Music Theory 3
- Musicianship & Performance 2
- Musicianship & Performance 3
- Production Workshop 2
- Production Workshop 3
- Social Innovation Project

THIRD YEAR

3

- Elective 3
- Final-Year Project

- Internship Programme
- Scoring for Visuals
- Show Production



The Story & Content Creation specialisation aims to produce media content creators, writers and makers who can navigate media genres, platforms and technologies, while understanding media creation and production as a business enterprise. You will be trained in the craft of storytelling and creative writing across media genres and platforms, in a global media context.

FIRST YEAR

1

First Semester

- Critical and Analytical Thinking
- PlayLab

Foundry Modules

- Principles of Design
- Story Craft
- Understanding Humans & Communities

Taster Modules (Complete Four)

- Digital Game Design & Development
- Drama & Performance
- Information Design
- Introduction to 3D Arts
- Reimagining Brands
- Awesome Motion Design!
- Sound & Music
- Storytelling for Digital Media

Second Semester

- Branding Fundamentals
- Elective 1
- Fundamentals of Journalism
- Introduction to Scriptwriting
- Narrative Thinking
- Video and Audio Fundamentals

SECOND YEAR

2

- Documentary Filmmaking
- Elective 2
- Entertainment Content
- Introduction to Documentary
- MAD Studio Project
- MAD White Space 1
- MAD White Space 2

- Scripted Concept Development
- Scriptwriting for Drama & Comedy
- Social Innovation Project
- The Digital Journalist
- Video Production for Drama & Comedy
- Visual Storytelling

THIRD YEAR

3

- Elective 3
- Final-Year Project
- Internship Programme
- Media Law & Ethics

Options (Choose One of Two)

- Entertainment Content Production
- The Integrated Newsroom

CAREER OPTIONS

DMAD graduates may pursue careers relevant to their field, or pursue related careers across the different fields. Their portfolio of work and experience working in transdisciplinary projects can serve as an added advantage to potential employers.

ANIMATION & GAME ART

- 2D / 3D Animator
- 3D Generalist
- Character Artist
- Character Designer
- Concept Artist
- Environment Artist
- Environment Designer
- Illustrator
- Layout Artist
- Lighting Artist
- Motion Designer
- Rigger
- Story Artist
- Texture / Surfacing Artist
- UI Artist

APPLIED DRAMA & PSYCHOLOGY

- Drama Educator
- Programme Executive
- Social Service Assistant
- Social Work Associate
- Teacher Aide
- Volunteer Executive
- Youth Work Associate

DESIGN FOR COMMUNICATION & EXPERIENCE

- Brand Designer
- Design Researcher
- Editorial Designer
- Experience Designer
- Graphic Designer
- Junior Art Director
- Motion Designer
- Photographer
- Videographer
- UI Designer
- UX Designer
- Visual Designer

GAME DESIGN & DEVELOPMENT

- Gameplay Programmer
- Application Developer
- AR / VR / MR Developer
- Interactive Designer
- Content Designer
- UI Designer
- Level / Game Designer
- Project Coordinator / Assistant
- Quality Assurance Tester

INTEGRATED MARKETING COMMUNICATIONS

- Account Executive
- Advertising Executive
- Brand Executive
- Communication Strategist
- Content Marketing Executive
- Content Marketing Specialist
- Content Producer (Branded Content)
- Corporate Communication Executive
- Marcom Executive
- Media Planner
- Public Relations Executive
- Social Media Analyst

MOTION DESIGN & EFFECTS

- 2D / 3D Animator
- 3D Modeller
- Assistant Producer
- Camera Layout Artist (Camera tracker)
- Colourist
- Composer
- Concept / Background Artist
- Graphic Designer
- Lighting Artist
- Composer
- Motion Capture Artist
- Motion Graphics Artist
- Pre-Vis Artist
- Production Assistant
- Roto / Prep Artist Video Editor

MUSIC PRODUCTION

- Boom Operator
- Music Educator
- Music Producer
- Music Composer
- Music Arranger
- Musician
- Production Assistant
- Song Writer
- Sound Designer
- Sound Editor
- Sound Engineer
- Sound Recordist
- Supervising Sound Editor

STORY & CONTENT CREATION

- Assistant Director
- Assistant Producer
- Content Producer
- Feature Writer
- Journalist
- Photo/Visual Journalist
- Research Writer
- Scriptwriter

DMAD graduates may pursue further studies in the areas relevant to their field. They can seek articulation into degree programmes with local & overseas universities / institutions.

Graduates may also pursue skills deepening programmes through the following CET courses offered by MAD School:

- Part-Time Diploma in Design (Visual Communication)
- Specialist Diploma in Applied Drama & Psychology
- Specialist Diploma in Digital Content Marketing (co-offered with Singapore University of Social Sciences)
- Specialist Diploma in Digital Marketing and Analytics (co-offered with SP School of Business)
- Specialist Diploma in Motion Graphics Design
- Specialist Diploma in User Experience & Digital Product Design
- Work-Study Post-Diploma leading to Specialist Diploma in Digital Content Marketing (co-offered with Singapore University of Social Sciences)

FROM CRAFTING FOR FUN TO DESIGNING FOR THE GREATER GOOD

At the tender age of 10, Scott's artistic flair was already apparent when he won his first graphic design competition. Inspired by his family members who were Singapore Polytechnic (SP) alumni, he decided to enrol in the Diploma in Experience & Product Design.

His many achievements at SP include creating the 'Home-Based Learning (HBL) Table', an adjustable cardboard table that aims to assist children from underprivileged families during the circuit breaker period, in merely three months during his internship. The HBL table earned his design agency a nomination for the prestigious President's Volunteerism & Philanthropy Award. He also launched the product he created for his final-year project on Kickstarter and raised \$11,000 in funding, exceeding his original goal of \$7,000.

Scott wants to harness the power of design to build a better world and his first step is to further his education in the United Kingdom. He also aspires to run his own business one day.

SCOTT LEE
Diploma in Experience & Product Design (DXPD)
Tan Kay Yong
Gold Medallist

CHUA MIN MIN
Diploma in Infocomm Security Management (DISM)
Lee Kuan Yew Award recipient
Alumna of Bukit Panjang Government High School

THE IT GIRL

Accountancy was Min Min's first love but she chose to apply for Singapore Polytechnic (SP)'s Diploma in Infocomm Security Management (DISM) and looking back, she had no regrets.

Dispelling the stereotype that girls cannot thrive in a male-dominated Information Technology (IT) world, Min Min pulled ahead of her male peers to emerge top of her course at SP. She was even offered a full-time role at Assure IT Pte Ltd — a company specialising in technology governance, risk and compliance after impressing her internship supervisor with her can-do attitude and willingness to learn. It was also during her internship where she discovered her passion for IT auditing — an area combining her love for accountancy and her skills in tech.

Her desire to build a network of like-minded individuals who are part of Singapore's cyber security efforts saw her taking on various roles at IT events including the prestigious Black Hat Asia 2019 and Governance, Technology Audit, Control, Security (GTACS) Conference 2019 while she was at SP.

Min Min aspires to make a mark in the tech industry and hopes to be a role model for young women interested in technology to join the field. For now, the aspiring IT auditor will be furthering her studies at the Nanyang Technological University in Computer Science with a minor in Business.

SP ENGINEERING



Join us and play a role in society that has never been more important than it is today!

At SP Engineering, you will harness your curiosity and translate ideas into creative solutions to improve lives and shape the world around you; be it futuristic energy sources, robots with advanced intelligence, cutting-edge healthcare equipment or even complex aeronautical technology.

For more information regarding 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

You will be imbued with a combination of creativity, leadership and communication skills through the internationally recognised teaching methods in SP. You can explore and develop viable solutions to meet the latest engineering challenges when you go on local or overseas attachments or internships in notable engineering firms and universities.

When you graduate and join our more than 80,000 strong engineering alumni, you know that you are at the start of a fulfilling career.

- 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)



EEE



MAE

ENGINEERING

AERONAUTICAL ENGINEERING

DARE - S88



SP is the first to launch the Diploma in Aeronautical Engineering (DARE) course in Singapore in 2002. Since then, the DARE course has gone on to become one of the most sought-after Engineering diplomas.

COURSE HIGHLIGHTS

This course offers:

- State-of-the-art aircraft training facilities at the Aerohub with four aircraft (Hawker 125-700A, King Air B90, A4SU Super Skyhawk and Bell UH-1H Helicopter) and full motion flight simulators to provide authentic aircraft training experience
- A curriculum that is aligned with the "Singapore Airworthiness Requirements Part 66" (SAR 66) specified by the Civil Aviation Authority of Singapore (CAAS) to prepare you for a career as a Licensed Aircraft Maintenance Engineer upon graduation
- An opportunity to pursue a Private Pilot License (PPL) at the Singapore Youth Flying Club (SYFC)
- Accreditation by the Skills Framework for the Air Transport and Aerospace sector
- Electives in the areas of:
 - Advanced Aerospace Design and Manufacturing
 - Advanced Aircraft Maintenance Practices and Aerospace Composite Repair
 - Fleet Technical Management
 - Aviation Management
- Mapped to Aerospace Engineering and Air Transport Skills framework
- An exciting two-week overseas exchange programme (Learning Express) where you will use your skills and knowledge to improve lives in the real world
- Opportunities to join the premium engineering academy programme and take part in local and overseas competitions such as the Singapore Amazing Flying Machine Competition (SAFMC) and World Skills Competition (WSC)

The course provides a solid foundation in Mechanical Engineering for subsequent specialisation in aircraft-related modules. Our premier status in education has been forged through sturdy bonds with prestigious aerospace organisations. These include, but are not limited to, Singapore Technologies Engineering Aerospace, the Republic of Singapore Air Force, Singapore Airlines Engineering Company, Pratt & Whitney and Bombardier Aerospace Services Singapore.

You will get to learn in a 4,660-square metre state-of-the-art Aerohub that simulates a real working environment. Training facilities includes four aircraft and two full-motion simulators, one of which is developed and built in-house.

Teaching and learning is based on the proven CDIO (Conceive-Design-Implement-Operate) framework and Design Thinking methodology.

As an official ST Engineering Aerospace CAAS Approved Maintenance Training Organisation (SAR-147), this course will prepare you well to work in the aerospace industry as well as to further your studies in local and overseas universities. You are also able to gain advanced standing in local or overseas universities.

For those who aspire to be an aircraft pilot or CAAS-certified drone pilot, there are opportunities to take electives or extra courses to pursue your passion.

CAREER OPTIONS

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

FURTHER STUDIES

- You can gain advanced standing of up to two years in mechanical engineering degree courses at local and overseas 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)
 - Royal Melbourne Institute of Technology (RMIT) University

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 15
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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

It should be noted that applicants, particularly those who wish to pursue a career as a Licensed Aircraft Engineer (LAE), who have severe colour vision deficiency, uncontrolled epilepsy and hearing deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants with mild deficiencies in these areas are advised to contact Singapore Polytechnic for consultation.

Since young, I had a strong interest in aeroplanes. The course provided a good balance of theoretical knowledge and practical training and further strengthened my love for the subject. Now, I am very sure that this is the industry for me!



Sheikh Arfahmi
DARE Gold Medallist,
Recipient of the Public Service Commission (Engineering) Scholarship, Class of 2019

DARE ELECTIVE TRACKS

Furthering
Aero Design and Manufacturing

Broadening
Aviation Management

Deepening
Aero Engineering

AEROSPACE ELECTRONICS

DASE - S90



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 15
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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

It should be noted that applicants, particularly those who wish to pursue a career as a Licensed Aircraft Engineer (LAE), who have severe colour vision deficiency, uncontrolled epilepsy and hearing deficiency may encounter difficulties meeting the course requirements and expectations. Interested applicants with mild deficiencies in these areas are advised to contact Singapore Polytechnic for consultation.

FURTHER STUDIES

You can gain 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).

Other relevant Aerospace degree programmes include:

- Bachelor of Engineering with Honours in Aircraft Systems Engineering offered by SIT in collaboration with SIAEC
- The Bachelor of Engineering (Aerospace Systems) offered by The Singapore University of Social Sciences (SUSS).



The broad-based curriculum and state-of-the-art facilities at SP's Diploma in Aerospace Electronics have empowered me with a core foundation in engineering. I am now more confident in tackling challenges and look forward to developing and improving engineering solutions for a better tomorrow.



Charran Senthil Kumar
DASE Gold Medallist,
Recipient of the Nanyang
Scholarship,
Class of 2020

Are you excited by More Electric Aircraft (MEA) and the drone technologies powering the future of the aerospace industry? How about playing a role in building Singapore's aviation future through innovation with emerging technologies? If so, the Diploma in Aerospace Electronics (DASE) – the first aerospace diploma in Singapore – is the right choice for you.

This course equips you with the knowledge and skills in Aerospace Engineering (Avionics) and Information & Communications Technology (ICT) Emerging Technologies.

With the training support from our established ST Engineering Aerospace SAR147 training partner, this course will give you an advantage in the aerospace MRO industry.

This course will prepare you well to work in the aerospace industry as well as to further your studies in local and overseas universities. It also provides you an opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme which shortens your time from diploma to degree to work.

For those who aspire to be an aircraft pilot / CAAS certified unmanned aircraft pilot or would like to explore a career in Aviation Management, this course offers you various electives to pursue your passion.

CAREER OPTIONS

Some possible careers include:

- Air Force Engineer (Maintenance)
- Air Traffic Controller
- Assistant Electrical Engineer
- Assistant Electronics Engineer
- Assistant Engineering Service Engineer
- Assistant Engineer (Training and Simulation Systems)
- Assistant Engineer (Unmanned Vehicle System Design)
- Assistant Aerospace Sales & Marketing Engineer
- Assistant Systems Integrator (Avionics)
- Assistant Technical Service Engineer
- Flight Operations Officer
- Licensed Aircraft Maintenance Engineer
- Planning Executive
- Quality Assurance Officer (Aircraft Systems)



COURSE HIGHLIGHTS

This course offers:

- 4,660-square metre state-of-the-art aircraft training facilities at AEROHUB with four aircraft (Hawker 125-700A, King Air B90, A4SU Super Skyhawk and Bell UH-1H Helicopter) and two full-size A320 cockpit flight simulators to provide authentic aircraft training experience
- An opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme to get a head start in university life
- A curriculum that is aligned with the "Singapore Airworthiness Requirements Part 66" (SAR 66) specified by the Civil Aviation Authority of Singapore (CAAS) and Skills Framework in Aerospace
- Common Core modules in critical human skills and emerging digital skills which provide an integral learning experience with domain modules
- An advantage in your pursuit for a Private Pilot License (PPL) at the Singapore Youth Flying Club (SYFC) or an opportunity to take up an elective on Commercial Pilot Theory to kickstart your career as a pilot
- Certificate in Aviation Management or electives in the areas of:
 - Commercial Pilot Theory
 - Unmanned Aircraft Flying and Drone Technologies
- An exciting two-week overseas exchange programme (Learning Express) where you will use your skills and knowledge to improve lives in the real world
- An opportunity to go for overseas immersion programme in countries such as China and Taiwan
- 22-week overseas or local internship opportunities at reputable local aerospace companies such as Airbus, Rolls-Royce, SIAEC, ST Engineering Aerospace, Thales, CAAS and Changi Airport Group
- A proven track record of DASE graduates admitted to local and overseas universities such as NUS, NTU, SIT, SUSS, SUTD, Embry-Riddle Aeronautical University (USA), Imperial College (UK) and University of New South Wales (Australia)

COMMON ENGINEERING PROGRAMME

CEP - S40



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 5 - 16
Aggregate Type: ELR2B2-C

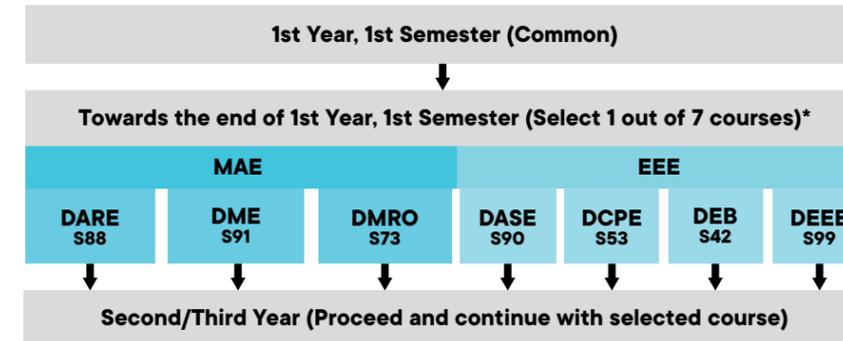
SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



The Common Engineering Programme has a specially crafted curriculum for those passionate about engineering but need guidance on the discipline to specialise in. After the first semester, you can choose to pursue one of seven established engineering diplomas offered by the School of MAE and School of EEE:

- S88 Aeronautical Engineering
- S90 Aerospace Electronics
- S53 Computer Engineering
- S99 Electrical & Electronic Engineering
- S42 Engineering with Business
- S91 Mechanical Engineering
- S73 Mechatronics & Robotics



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

COURSE HIGHLIGHTS

This programme:

- Offers you a wide range of engineering choices, giving you an insight into what interests you the most.
- Provides you with exposure to various engineering disciplines to ascertain your strengths and interests leading to an informed career path.
- Begins with a semester that gives an overview of the skills, competencies and equipment pertinent to various technologies.



Selecting the CEP course has allowed me to appreciate modules from both electrical and mechanical engineering. This allowed me to make an informed decision on which engineering course to specialise in.

Teo Zhe Kai
CEP student,
Class of 2019

FURTHER STUDIES

Depending on your specialisation, you can continue to pursue an engineering degree programme at local or foreign universities.

CAREER OPTIONS

Please refer to the Career Options of the respective course you might be interested in.

COMPUTER ENGINEERING

DCPE - S53



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 4 - 13
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6
<ul style="list-style-type: none"> • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	

FURTHER STUDIES

There are plenty of degree programmes that DCPE graduates may apply for. You can gain direct entry into the second year of local universities to pursue a degree in Electrical & Electronic Engineering and / or advance placements in Computer Science / Engineering.

You will also be eligible for advance placements in Computer Science / Engineering, Networking Engineering, Information Systems, Infocomm Engineering and Electrical & Electronic Engineering in universities in Australia, New Zealand and United Kingdom.



With the advent of smart cities across the globe, SP's DCPE course has rapidly evolved its content and extra-curricular opportunities to include highly sought-after skills in computing, such as IMABC: IoT, Machine Learning, AI, Blockchain and Cloud Computing. Armed with these fundamental know-how, I was able to perform at my engineering internships at Grab and the Center for Strategic Infocomm Technology. With our training, I have great faith that my DCPE cohort will do great things for our nation and beyond.



James Lim En Hui
DCPE Gold Medallist,
Lee Kuan Yew Award recipient,
Smart Nation Scholarship
2020 recipient,
Class of 2020

Computer Engineering is a discipline that combines the hardware and software aspects of computer science.

Computers are at the heart of many modern, high-tech systems or activities — “Smart City”, driverless cars, scientific research, artificial intelligence, space exploration or weapon systems. Devices and systems are becoming “smarter” because of computers.



The Diploma in Computer Engineering (DCPE) course aims to equip you with a solid foundation in computer networking, hardware and software engineering.

You will be trained in Electronic Engineering, Software Programming, Computer Hardware-Software Integration, Cloud Computing, Machine Learning/Artificial Intelligence and Mathematics.

With skills in these areas, you will be empowered to meet the challenge of the digital world, allowing you to develop secured smart solutions, intelligent devices and innovative info-communication services.

CAREER OPTIONS

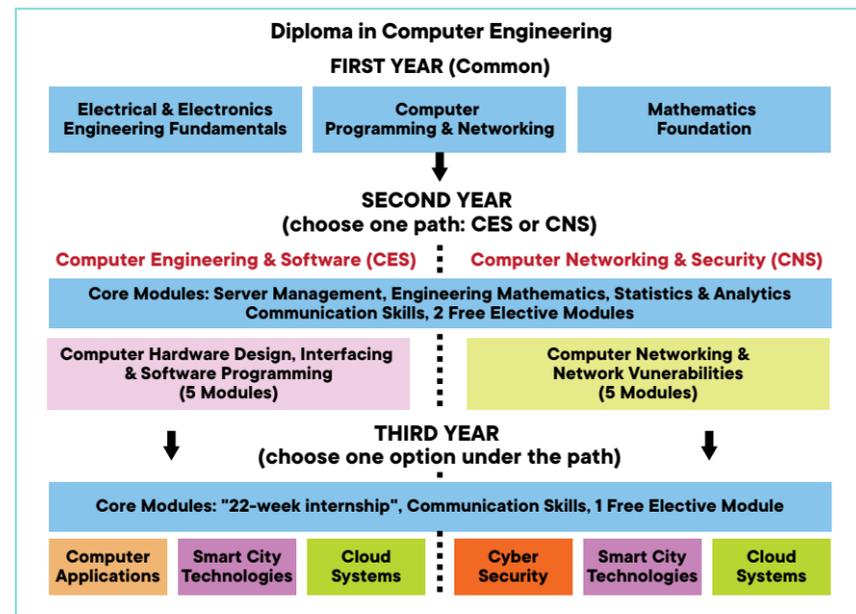
Some possible careers include:

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

COURSE HIGHLIGHTS

This course offers:

- 40 SingTel Engineering Cadet Scholarships for DCPE students, covering tuition fees, monthly allowance and laptop allowance during Year 2 and Year 3 of the course
- The most comprehensive curriculum of its kind, covering Embedded Systems, Software, and Artificial Intelligence of Things (AIoT), which combines Artificial Intelligence (AI) and Internet of Things (IoT)
- A wide variety of specialisation options in Computer Applications, Cyber Security, Cloud Computing and Smart City Technologies
- Alignment with industrial certifications such as CCNA, CompTIA Cloud Essentials, CCNA Security / CompTIA Security+, CCNA Cyber Ops to enhance your career prospects
- An opportunity of 12-month internship attachment to GovTech for exposure to Smart Nation projects
- An opportunity to join the premier Engineering Academy programme and take part in local and overseas competitions
- An opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme to get a head start in university life



ELECTRICAL & ELECTRONIC ENGINEERING

DEEE - S99



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 8 - 18
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects	1 - 6
<ul style="list-style-type: none"> • Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 	

The Diploma in Electrical & Electronic Engineering (DEEE) is an established engineering course with a history of more than 60 years. More than 20,000 students have passed through this course and many of them have successfully emerged as captains in their respective fields. It is a course well recognised by industries and universities, local and overseas.

Through the DEEE course, you will be prepared to be a competent and much sought-after technologist. You will also have the opportunity to participate in the creation of new and vital technologies which are antidotes to most problems in the future.

Through this broad-based course, you will become a solution-minded engineer who can work in many industries. The course will equip you with skills and knowledge such as the development of semiconductor chips for smartphones, 5G wireless technology, Industry 4.0 concepts and technologies, the handling of cutting-edge healthcare equipment and the design of power transmission and distribution systems.

You will also be in high demand with numerous career opportunities across an extensive range of industries such as biomedical, automation, telecommunications, power engineering, rapid transit, microelectronics and more.

COURSE HIGHLIGHTS

This course offers:

- A flexible curriculum with a choice from the six specialisations in the third year: Biomedical, Communication, Microelectronics, Power, Rapid Transit and Robotics & Control
- An opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme to get a head start in university life
- An augmented learning environment in rail engineering with our latest integrated Rail System Simulator, a first among the polytechnics
- An edge in learning 5G wireless technology, in the first-of-its-kind 5G Garage, set up in collaboration with Singtel and Ericsson
- 22-week internship opportunities at reputable companies such as SP Group, SMRT, A*STAR, PSA, Siemens and ST Electronics
- The option to be involved in industry projects, research, competition or other high-profile projects in lieu of an internship
- An opportunity to join the premier Engineering Academy programme and take part in local and overseas competitions
- A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework, which is used in top universities in the United States, Europe and Australia
- Recognition by the Energy Market Authority (EMA) of Singapore for the application of an Electrical Technician Licence if you specialise in Power Engineering
- Generous credit exemptions from local and overseas universities for Electrical and Electronic Engineering degree courses
- Prestigious scholarships including the Energy-Industry Scholarship, SGRail Scholarship and Singapore-Industry Scholarship

CAREER OPTIONS

Some possible careers include:

- Assistant Electrical / Electronics Engineer
- Assistant Engineer (Automation)
- Assistant Facilities Management Engineer
- Assistant Field Service Engineer
- Assistant Instrumentation Engineer
- Assistant Maintenance Engineer
- Assistant Process Engineer
- Assistant Project Engineer
- Assistant Quality Engineer
- Assistant Test Engineer
- Senior Assistant Engineer / Assistant Engineer
 - Mechanical and Electrical
 - Rolling Stock
 - Signal and Communications
 - Power
- Biomedical Equipment Service Engineer
- Material Planner
- Technical Officer (Control & Instrumentation)
- Technical Officer (Power Distribution System)

FURTHER STUDIES

You can gain direct entry into the second year of local universities to pursue a degree in Electrical & Electronic Engineering. You may be granted advanced standing of up to two years when applying for related degree programmes at overseas universities in Australia, New Zealand and the United Kingdom.

It should be noted that applicants, particularly those who wish to pursue a career in electrical power engineering or as a Licensed Electrical Worker (LEW), with colour vision deficiency may encounter difficulties meeting the course requirements and expectations, as normal colour vision is required by the Energy Market Authority (EMA) of Singapore. Those with mild colour deficiency are required to undergo an in-house test. Interested applicants with this condition are highly encouraged to contact Singapore Polytechnic for more information.



Since young, I have always been fascinated by electronic devices around me. Since SP's DEEE is a broad-based engineering course, it offered me the freedom to explore many different aspects of electrical and electronic engineering. The multiple inter-school and industry projects allowed me to gain more practical skills and dive deeper into areas of engineering that I am passionate about.

Other than practical skills, the course also trained us in the concepts of critical thinking and design thinking. With all the opportunities and help from my academic mentors, I was able to better make plans for my future.



Tang Hao Liang
DEEE Gold Medallist,
Class of 2020

ENGINEERING WITH BUSINESS

DEB - S42



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 6 - 12
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



The DEB curriculum enabled me to broaden my horizon by studying two useful and complementing disciplines — engineering and business. The diversity of our modules greatly helped in enhancing my engineering skills and developed my thinking into one that was both practical and innovative. There was also a plethora of opportunities to apply our learning outside of the classroom. My lecturers, seniors and friends greatly supported and guided me throughout my three years in SP and it has moulded me into the person that I have grown to become!



Elyn See Kailin
DEB Gold Medallist,
Lee Kuan Yew Award
recipient, Changi Airport
Group Overseas Scholarship
Recipient, Class of 2020

COURSE HIGHLIGHTS

This course offers:

- A curriculum with modules from three SP schools — School of Electrical & Electronic Engineering, School of Mechanical and Aeronautical Engineering and School of Business
- Integration of engineering and business knowledge with a strong focus on technopreneurship
- An opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme to get a head start in university life
- A space in the EEE Technology to Business (T2B) Hub for students to learn from and network with like-minded entrepreneurs and venture into startups
- An enriching and exciting overseas technopreneurship immersion programme in Japan or China
- An exciting two-week overseas exchange programme (Learning Express) where you will use your skills and knowledge to improve lives in the real world
- Electives in the areas of
 - Python Coding for the Internet of Things (IoT)
 - AWS Cloud Foundations
 - Robotics Technologies
- 22-week overseas and local internship opportunities at reputable companies such as OCBC, Mapletree, ST Electronics, Panasonic, SSMC and A*STAR
- An opportunity to join the premier Engineering Academy programme and take part in local and overseas competitions
- A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework which is adopted in top universities such as MIT
- A proven track record of DEB graduates admitted to local and overseas universities such as NUS, NTU, SUTD, SMU, SIT and University College London (UCL) with up to two years of advanced standing

CAREER OPTIONS

Some possible careers include:

- Assistant Engineer (Product Design/Development)
- Assistant Engineer (Project)
- Business Development Executive
- Customer Relationship Management Executive
- Entrepreneur
- Procurement Executive
- Sales and Marketing Executive



Are you stuck between choosing an engineering or business course? Do you want to transform Singapore's technopreneurship landscape by turning technology into business? Then, the Diploma in Engineering with Business is the right choice for you. This course gives you the best of both worlds and trains you to be a versatile business-minded engineer with an entrepreneurial mindset.

In this course, you will acquire the knowledge and skills in electrical and mechanical engineering, and spend up to a third of your time learning and applying business concepts to engineering products and services.

This course provides you the flexibility to further your studies in engineering, business or interdisciplinary degree programmes. It also offers you an opportunity to join the SP-NUS Collaboration or SP-SUTD Pathway Programme which shortens your time from diploma to degree to work.

With a network of industry partners and mentors, you will get a head start to become a Technopreneur.

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).

MECHANICAL ENGINEERING

DME - S91



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 6 - 19
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



My time in the DME course has equipped me with the skills and knowledge to venture into other engineering fields if I choose to. I can now pursue my dreams of becoming an engineer who can positively impact the community.



Chiew Kang Lin
Tay Eng Soon Gold Medal,
DME Silver Medallist,
Class of 2018



This is Singapore's first Engineering course, offered since 1958, and it has remained the island's de facto first-choice Mechanical Engineering diploma course.

Regardless of your specialisation, we are also constantly reinventing to align with international trends and accreditations. You will not only develop a firm foundation in a wide range of Engineering disciplines but also acquire basic skills in Business and Humanities. In your final year, you will be streamed in one of six specialisations. Many graduates have built successful careers in Engineering. Some are leading large corporations or have started their own business.

The Diploma in Mechanical Engineering offers Biomedical as one of the six specialisations. Consider this specialisation if you are interested to collaborate with engineers, doctors and scientists in the rapidly advancing biomedical sciences industry to churn out innovative equipment and procedures!

FURTHER STUDIES

You can gain advanced standing of up to two years in mechanical engineering degree courses at local and overseas 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

COURSE HIGHLIGHTS

This course offers:

- CDIO (Conceive-Design-Implement-Operate) framework and Design Thinking methodology
- Streaming into one of the following specialisations:
 - Automation & Robotics
 - Biomedical
 - Energy & Facilities Management
 - Engineering Design & Simulation
 - Precision Engineering
 - Rapid Transit Technology
- Internships with reputable organisations and exposure to real-world projects
- Be exposed to the latest advanced manufacturing technologies at our high-tech learning space

CAREER OPTIONS

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

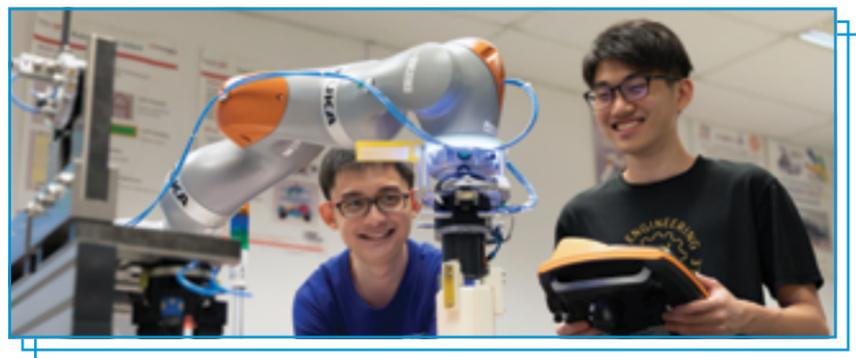


ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 4 - 15
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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



SP launched Singapore's first mechatronics diploma course in 1991 to meet the niche demand for cross-disciplinary engineers in precision engineering.

With the emergence of Industry 4.0 and in support of our nation's drive towards Advanced Manufacturing, the course has since diversified into the fields of collaborative robotics (CoBots), autonomous mobile platforms (AMRs) and flexible automation (FA), equipping our graduates with the relevant skill sets and competencies to meet the needs of the evolving manufacturing sector. Training has also gone beyond the core areas of mechatronics engineering to include a plethora of essential knowledge in Internet of Things (IoT), programming, analytics and design.

Come journey with us and be inspired by the world of mechatronics! You will have the opportunity to work with renowned industry partners during the Internship Programme / Project and be equipped with future-ready interdisciplinary skill sets and a multidisciplinary mindset!

In DMRO, we turn your dreams and aspirations into reality!

COURSE HIGHLIGHTS

- The DMRO Pedagogy: iNSPIRE minds • iGNITE passion • iINNOVATE solutions
- Be Future Ready: Interdisciplinary Skillsets + Multidisciplinary Mindset
- Real-World Industry Projects & Internships: Be exposed to real and relevant work experience and engaging projects with our industry partners, organisations and institutes
- Dedicated Learning Space: A place DMRO cohort calls home
- Diversity in Further Studies & Career Options: Multiple pathways to local and overseas universities leading to exciting career opportunities in various industries and sectors

CAREER OPTIONS

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

FURTHER STUDIES

You can gain advanced standing in Mechanical, Robotics Systems, Electrical & Electronics or Computer Engineering degree courses in both local (NUS, NTU, SUTD, SIT) and overseas universities. Selective module exemptions or direct entry to second year are based on merit and subjected to faculty / university approval.



My most memorable experience was my six-month internship at SIMTech's robotics branch where I developed an app to control a cleaning robot. Even though I had no prior knowledge in developing an app, I was able to build upon the programming skills I picked up in the course. It was a great sense of achievement developing a working prototype and the experience helped to hone my technical abilities and soft skills such as communication and teamwork. I know that I am now ready to take on further studies or a career as a robotics researcher.



Glenn Tan Choon Kai
DMRO Gold Medallist,
Class of 2019

ALL PATHWAYS LEAD TO SUCCESS

During his secondary school days, Izzat looked forward to his Design & Technology classes the most and realised his passion lay in mechanics and systems. Izzat decided to study mechanical engineering at the Institute of Technical Education (ITE) and having learnt more about SP's Diploma in Engineering (DBEN) at the SP Open House, he knew DBEN was the right choice for him.

At SP, Izzat soared, doing what he was passionate about — building systems and devices that sought to improve people's lives. The SP Engineering Scholar seized every learning opportunity and took part in many competitions. At the Cognito Ideation Competition 2020, his group worked on developing solutions to generate sustainable energy and eventually won first place in the competition. His team went on to develop a website to showcase their work which caught the attention of the School of the Arts Singapore (SOTA). Izzat and his team subsequently conducted hands-on demonstrations of sustainable solutions to SOTA students and educated them on alternative sustainable energy.

Despite taking a longer education pathway, Izzat managed to overcome the odds with his burning passion for bioengineering. The bright youth will be heading to the Nanyang Technological University next to pursue Bioengineering with a minor in International Trading.

** The Diploma in Bioengineering is now offered as a specialisation under the Diploma in Mechanical Engineering.*

IZZAT BIN MAHAD

Diploma in Bioengineering (DBEN)*

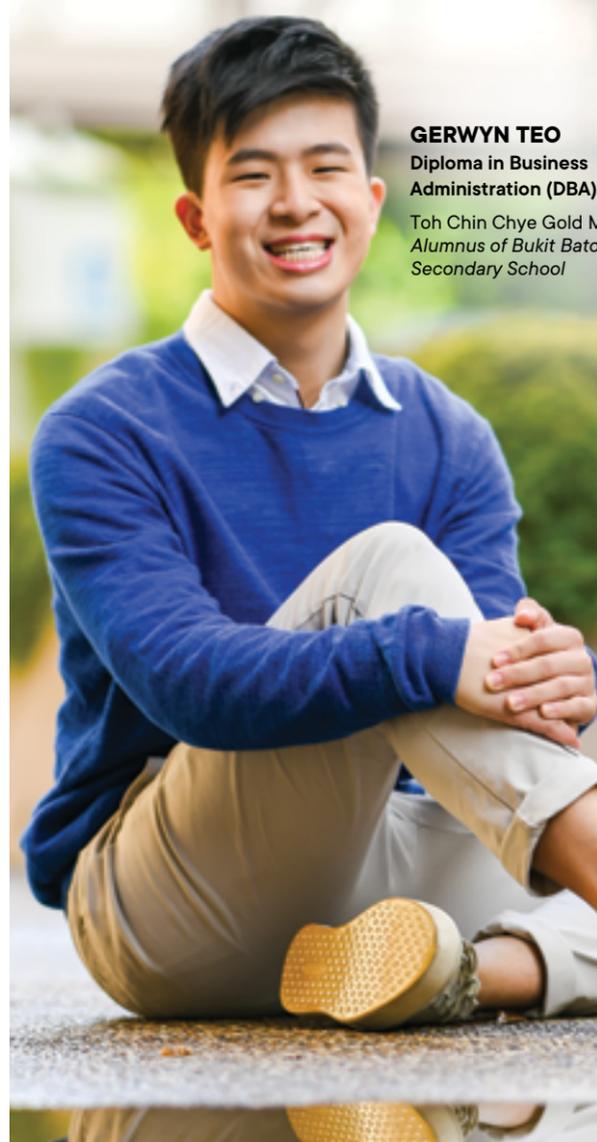
Tay Eng Soon
Gold Medallist
Alumnus of Yuan Ching Secondary School



GERWYN TEO

Diploma in Business Administration (DBA)

Toh Chin Chye Gold Medallist
Alumnus of Bukit Batok Secondary School



FUTURE ENTREPRENEUR WITH A HEART OF GOLD

Back when his peers only began to understand how money works, Gerwyn was already selling erasers and other knick-knacks for a profit. So it came as no surprise when he chose to apply to SP's Diploma in Business Administration during the Early Admissions Exercise, as he was impressed by the lecturers' professionalism during his interview.

At SP, the Excellence Award recipient furthered his passion for business by entering his ideas and concepts for various business competitions. During the recent Fedex JA International Trade Challenge, Gerwyn's sustainable all-in-one lightweight travel solution won him one of the top three prizes in the national competition.

Behind Gerwyn's competitive nature lies a heart of gold. One of his reasons for choosing SP was the opportunity to take up the Diploma Plus in Humanitarian Affairs. He wanted to combine his business skills and knowledge from the humanitarian affairs course to help charities and non-governmental organisations uplift disadvantaged communities. And he did. He has gone on multiple community service trips around Southeast Asia since he first joined SP.

Gerwyn plans to further his studies in business at a local university, before setting up a social enterprise to help the disadvantaged. We look forward to Gerwyn changing the world, one project at a time.

SINGAPORE MARITIME ACADEMY



Go on an adventure and ride the waves with Singapore Maritime Academy.

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 the 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?

At SMA, you will learn in a state-of-the-art maritime Integrated Simulation Centre (ISC) and advanced labs. There is also a marina for you to experience hands-on training in seamanship and survival skills.

A highlight of our courses is the Maritime Experiential Learning (MEL) Camp, a floating campus experience carried out onboard a ship. Sail onboard the STS Pallada, the world's fastest tall ship, to learn practical navigation and traditional sailing skills. Our students are given many opportunities for overseas exposure on study tours and community service.

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

Singapore Maritime Academy
Tel: (65) 6775-1133 **Fax:** (65) 6772-1958
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/sma



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

SINGAPORE MARITIME ACADEMY

MARINE ENGINEERING DMR - S63



The Diploma in Marine Engineering (DMR) course encompasses various engineering disciplines required to help you understand ship construction and how a ship works as an independent power plant:

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

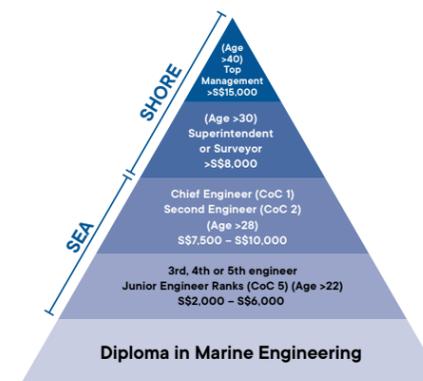
Besides lectures and laboratory work, you will be exposed to advanced ship engineering system simulators and various training software. Our machinery workshops are equipped to train students for operational competencies that are required in the workplace, be it onboard a ship or a shore-based establishment.

You will have the special opportunity to choose between a sea-going or shore-based route during your third year.

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.

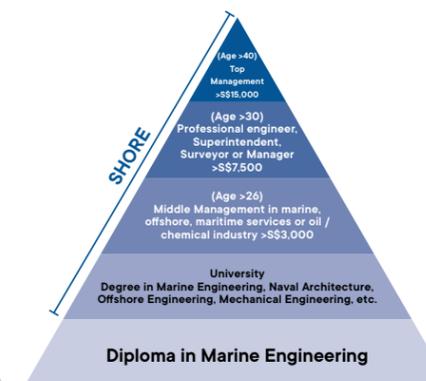
With the training received, a wide variety of career options and opportunities awaits you. You can be employed as marine engineers on ships as well as engineers in shipyards, offshore oil and gas industries and non-maritime engineering firms. Many of our graduates are also suitably employed in sales and service positions in various engineering companies.



SEA CAREER ADVANCEMENT

FURTHER STUDIES

You can gain direct entry into related engineering degree programmes in NUS, NTU and overseas universities or pursue a BEng (Hons) in Naval Architecture, Marine Engineering or Offshore Engineering offered by Newcastle University through the Singapore Institute of Technology (SIT).



SHORE CAREER ADVANCEMENT

ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 3 - 21
 Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
One of the following 3rd relevant subjects:	1 - 6

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

All Applicants must pass the colour vision test as per the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).



As I aspire to become a Chief Engineer on a foreign-going vessel, being able to experience life at sea during my shipboard internship has exposed me to the things I will be doing, as I continue to pursue a career in the maritime industry.



Raphael Tay
 Lee Kuan Yew Award Winner,
 DMR Gold Medallist,
 Class of 2020

MARITIME BUSINESS

DMB - S74



ENTRY REQUIREMENTS

Range of Net 2021 JAE ELR2B2: 8 - 17
Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

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



If you are looking for a challenging and rewarding career in the maritime industry, join the Diploma in Maritime Business (DMB).

As one of the world's busiest seaports and largest container ports, there is a continuous demand for maritime and logistics-related organisations involved in a wide range of shipping business activities in Singapore. Graduates from DMB will fill this manpower gap.

COURSE HIGHLIGHTS

- A practice-oriented course that links theory and practice through hands-on training, case studies and field visits
- An extensive programme that prepares you to be versatile, enabling you to gain employment in various sectors within the maritime industry
- Six-month enhanced shore-based internship during the second year which provides enhanced first-hand experience of working in maritime-related organisations

CAREER OPTIONS

Upon graduation, DMB graduates are highly sought after for appointments as junior executives in organisations running ship owning / management; shipbroking / chartering; ship / port agency; logistics / supply chain management and marine insurance / law companies; and port / terminal operators and regulatory authorities. With working experience and exposure, the majority of DMB holders progress to managerial positions such as supervisors and assistant managers, with a few taking on higher responsibilities as managers.

Estimated starting salary: S\$2,000

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 or SIT.

With our strong collaboration with foreign universities, you may gain direct entry into a number of maritime programmes offered by overseas universities such as into the third year of a four-year programme at Chung-Ang University in South Korea or the State University of New York (SUNY) Maritime College in the United States for graduates who obtain a GPA of more than 3.0. You may also gain direct entry into the third/final year of the Plymouth University or Solent University, Southampton in the United Kingdom maritime degree programme.



During my internship, I was exposed to various roles from ship management to equipment control and commercial sales. These were valuable experiences that honed my skills. I even managed to secure a full-time job at the same company!



Quek Jun Hui
Toh Chin Chye Gold Medal,
DMB Gold Medallist,
Class of 2019

NAUTICAL STUDIES

DNS - DAE



"Today, more than ever, seafaring is a job that demands highly trained and qualified personnel. Modern ships are designed and built to the highest technical standards and require crew members with a high level of professional competence. To operate them safely and efficiently is a stimulating job in a truly high-tech workplace. But more than that, a successful seafaring career also holds the promise of a rewarding career ashore, after retiring from the sea".

Kitack Lim, Secretary-General,
International Maritime Organisation

COURSE HIGHLIGHTS

- A double award programme that awards you both a 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
- Attractive incentives and payouts offered by the Maritime and Port Authority of Singapore (MPA) on completion of internship and attainment of your Class 3 CoC
- An extensive programme that prepares you to be versatile, equipping you with competencies to sail in any type of ship of any size worldwide
- A 12-month sea training phase which gives you first-hand experience in working onboard a vessel
- Attractive salaries and great career advancement prospects
A junior officer's salary starts at S\$3,000

The job prospects are wonderful for self-motivated, independent and adventurous young people who love a sea career. It is a direct fast track to becoming a ship's captain.

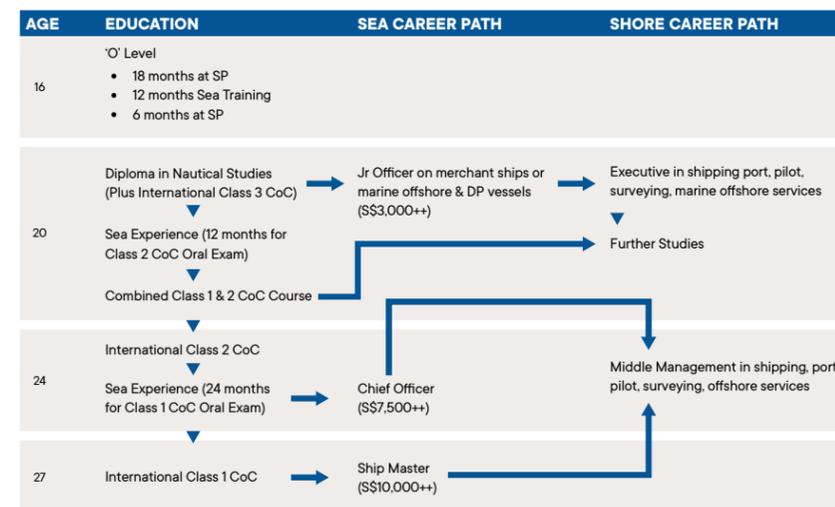
CAREER OPTIONS

There are plenty of exciting career options and opportunities.

You can start off as a Junior Navigating Officer and progress to become a Ship Captain or Manager ashore. You will learn to operate some of the most advanced technologies in the maritime industry.

FURTHER STUDIES

With a DNS diploma, you can gain direct entry into relevant degree courses overseas. If you are considering a sea career, you can pursue a Bachelor's degree in Navigation & Maritime Science offered by the University of Plymouth (UK).



++ Tax free income plus paid leave

ENTRY REQUIREMENTS

Aggregate Type: ELR2B2-C

SUBJECT	GRADE
English Language	1 - 7
Mathematics (Elementary / Additional)	1 - 6
Any two other subjects	1 - 6

Note:
To be eligible for admission, you must also have sat for one of the following subjects:

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

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

• All applicants must pass the colour vision test as per the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).

• All applicants must be sponsored by a Singapore shipping company. Shortlisted candidates will be required to attend an interview conducted by the Singapore Maritime Academy. International students are required to find a Singapore shipping company of their choice that is prepared to offer them an internship for phase 2 of this course.



One memorable experience I had as a DNS student was when I sailed in the Bay of Biscay. Our ship navigated through choppy seas and strong winds professionally. That was when I knew — these kinds of experiences and challenges would shape me into becoming a tough individual. I have never regretted my decision to join DNS till today.



Calista Chan
DNS Gold Medallist,
Class of 2020

SCHOLARSHIPS & SPOT PROGRAMME

At SP, we always aspire to recognise and nurture students for their excellent academic results, leadership qualities and diverse talents. If you would like to find out how we shape our students to become leaders of tomorrow, the following scholarships and leadership programme, SPOT, may be of interest to you.

WHAT BENEFITS DOES A SP SCHOLAR GET TO ENJOY?

- Bond-free scholarship of \$3,000, tenable for the academic year awarded
- Scholarship is renewable every year, subject to excellent academic results, strong CCA records and good conduct
- Participation in the **Singapore Polytechnic Outstanding Talent (SPOT) Programme**
- Subsidies for enrichment programmes

THE SP SCHOLARSHIP and SP ENGINEERING SCHOLARSHIP

Up to 30 SP Scholarships and 30 SP Engineering Scholarships are offered annually to deserving young men and women. These merit-based scholarships are awarded to first-year, full-time diploma course students who have done well in their Semester 1 examinations in SP. Students who meet the eligibility criteria will be nominated by their respective Academic School to be considered for the scholarship. There is no application form for this scholarship.

SP ARTS SCHOLARSHIP

Open to full-time diploma course students who have excelled in or contributed to the arts scene at the national level or higher.

SP SPORTS SCHOLARSHIP

Open to full-time diploma course students who have excelled in or contributed to the sports scene at the national level or higher.

MORE SCHOLARSHIPS

Besides SP scholarships, there are many other scholarships and awards schemes offered by external organisations that you can apply for.

For more information, please visit www.sp.edu.sg/scholarships



Always wondered what it takes to be a scholar? Scan for tips from our SP scholars if you're aspiring to become one.



SINGAPORE POLYTECHNIC OUTSTANDING TALENT (SPOT) PROGRAMME

The Singapore Polytechnic Outstanding Talent (SPOT) programme is designed for high-potential SP students to develop their talent and help them realise their dreams and aspirations to become tomorrow's Leaders, Humanitarians, Communicators and Scholars. With excellent results, you may be selected for the SPOT programme where you will be nurtured into a future leader through specially tailored activities that include overseas exposure.

Scan to find out how you can grow to become a leader.

CHANGING THE WORLD THROUGH NATURE AND KINDNESS

Josephine grew up watching her grandmother care for a mini garden along the corridor of their flat. Over time, she became attracted to nature and the design of modern buildings. When she was 14, Josephine knew that a career combining her love for nature and architecture would be perfect. After hearing about SP's Diploma in Landscape Architecture (DLA) from a friend who was in the course, Josephine was determined to enrol in DLA through the Polytechnic Foundation Programme. She did well for her GCE 'N' Levels, and eventually earned a spot in SP.

At SP, Josephine's passion bloomed. During her three-month internship with international architecture firm, DP Architects, Josephine worked on several projects, ranging from building interiors to landscaping for shopping malls. For her final-year project, Josephine developed a modern vertical landscaping concept for the Marsiling-Kranji estate, which envisions communal spaces with safe distancing buffers for the residents.

Tapping on her interest in design, Josephine started an online business selling customised stickers. She used her platform to rally support and donations for organisations such as the World Wildlife Fund and the Red Cross. She also donated some of her earnings to other welfare organisations.

Josephine plans to pursue a degree in Landscape Architecture at the National University of Singapore and hopefully, become a landscape architect who can contribute towards Singapore's vision of becoming a green city.

JOSEPHINE KWAN
Diploma in Landscape Architecture (DLA)

Low Guan Onn Gold Medallist
Alumna of Woodlands Ring Secondary School

TUITION FEES & FINANCIAL ASSISTANCE @ SP



Your role as an SP student is to study hard and enjoy the SP experience through participation in CCAs or other programmes. Do not be troubled over payment of school fees or other schooling expenses. Read on to find out what financial assistance schemes you can apply for or scan the QR code on the left if you prefer to read this online.

TUITION FEES

Tuition Fees (Inclusive of GST) per Year for Full Time Diploma Students*:

Singapore Citizen	\$2,900
Singapore Permanent Resident	\$6,000
International Student	\$11,000

SCHEMES TO HELP PAY TUITION FEES**

- ▶ **Mendaki Tertiary Tuition Fee Subsidy**
This scheme, funded by the Singapore Government and managed by MENDAKI, aims to support and help students who are Malay or have Malay as their first component of their double-barrelled race (e.g. Malay-Indian or Malay-Chinese) complete their tertiary education.
- ▶ **CPF-Approved Education Scheme**
Students may apply for a loan from your own or your parent's CPF savings to pay the tuition fees. The deadline is at the beginning of each semester.
- ▶ **Tuition Fee Loan**
SP offers a government-funded education loan to Singaporeans, permanent residents and foreign students studying in SP. Under this scheme, students can take up a loan of up to 75% of the tuition fees payable. Students can go to any DBS bank with a guarantor to apply for this loan scheme.
- ▶ **Post-Secondary Education Account (PSEA)**
Funds left in Edusave accounts are transferred to PSEA when the student is 16 years old or when he/she leaves Secondary School/Junior College. This fund can be used to pay the fees in SP.

SCHEMES TO HELP PAY TUITION FEES OR LIVING EXPENSES**

- ▶ **SP Donors-Sponsored Bursary/Scholarship**
Each year, hundreds of bursaries and scholarships are given out through this scheme funded by donations from organisations and individuals. Selections are based on donors' criteria (which may include nationality, course, academic performance, financial circumstances, etc).
Award: \$1,000 – \$4,500 per year
- ▶ **Higher Education Community Bursary**
A government-funded bursary for Singaporean students.
Award: Up to \$2,750

- ▶ **Higher Education Bursary**
A government-funded bursary for Singaporean students.
Award: Up to \$1,900
- ▶ **Notebook Subsidy**
A reimbursement for your purchase of a notebook PC for first-year Singaporean students
Award: Up to \$800
- ▶ **SP Needy Fund**
Students encountering acute financial hardship may apply for the SP Needy Fund which addresses financial needs not met by the other schemes.

OTHER FINANCIAL ASSISTANCE SCHEMES

- ▶ **Polytechnic Foundation Programme (PFP) Study Award**
Given to outstanding Polytechnic Foundation Programme (PFP) students after enrolment into the PFP in SP.
- ▶ **Polytechnic Foundation Programme (PFP) Bursary (For Singapore Citizens only)**
Given to Polytechnic Foundation Programme (PFP) students who require financial assistance.

*Tuition fees payable for Academic Year 2021/2022, for a full-time diploma student who is eligible and opted for the Tuition Grant scheme. Amount excludes "Other Fees" up to \$156.82, chargeable once a year. Please visit www.sp.edu.sg/sp/admissions/financial-matters/course-fees/full-time-diploma or call 6775 1133 for more information.

**You can apply for a combination of the above schemes that are open to full-time Singaporean students. Each scheme comes with varying conditions for application, such as monthly gross household income or monthly household per capita income. More details on these schemes and application procedures are available at www.sp.edu.sg/financial-assistance.

2021 JAE ELR2B2

The ELR2B2 refers to the aggregate score of English Language, two relevant subjects and two other best subjects. This table shows the range of net 2021 JAE ELR2B2 for SP courses.

Calculate your eligibility using this Eligibility Calculator now!



	COURSE CODE	Range of Net 2021 JAE ELR2B2
APPLIED & HEALTH SCIENCES		
Applied Chemistry (DAPC)	S64	3 – 9
Biomedical Science (DBS)	S98	3 – 7
Chemical Engineering (DCHE)	S70	6 – 13
Food Science & Technology (DFST)	S47	5 – 12
Optometry (DOPT)	S67	5 – 13
Perfumery & Cosmetic Science (DPCS)	S38	4 – 12
BUILT ENVIRONMENT		
Architecture (DARCH)	S66	3 – 13
Civil Engineering (DCE)	S68	5 – 22
Facilities Management (DFM)	S95	12 – 18
Interior Design (DID)	S89	7 – 15
Integrated Events & Project Management (DEPM)	S50	7 – 15
Landscape Architecture (DLA)	S94	3 – 15
BUSINESS MANAGEMENT		
Accountancy (DAC)	S75	5 – 12
Banking & Finance (DBKF)	S76	5 – 12
Business Administration (DBA)	S71	5 – 13
Common Business Programme (CBP)	S31	5 – 13
Human Resource Management with Psychology (DHRMP)	S48	5 – 12
ENGINEERING		
Aeronautical Engineering (DARE)	S88	5 – 15
Aerospace Electronics (DASE)	S90	5 – 15
Common Engineering Programme (CEP)	S40	5 – 16
Computer Engineering (DCPE)	S53	4 – 13
Electrical & Electronic Engineering (DEEE)	S99	8 – 18
Engineering with Business (DEB)	S42	6 – 12
Mechanical Engineering (DME)	S91	6 – 19
Mechatronics & Robotics (DMRO)	S73	4 – 15
INFORMATION & DIGITAL TECHNOLOGIES		
Applied AI & Analytics (DAAA)	S30	3 – 9
Common Infocomm Technology Programme (CITP)	S32	5 – 12
Infocomm Security Management (DISM)	S54	3 – 11
Information Technology (DIT)	S69	3 – 14
MARITIME STUDIES		
Maritime Engineering (DMR)	S63	3 – 21
Maritime Business (DMB)	S74	8 – 17
Nautical Studies (DNS)	DNS	Offered Under DAE
MEDIA, DESIGN & HUMANITIES		
Media, Arts & Design (DMAD)	S29	4 – 11
Applied Drama & Psychology*		
Animation & Game Art*		
Design for Communication & Experience*		
Game Design & Development*		
Integrated Marketing Communications*		
Motion Design & Effects*		
Music Production*		
Story & Content Creation*		

*These are specialisations under the Diploma in Media, Arts & Design

OTHER ADMISSIONS EXERCISES

Besides **EAE (details on pg 2-3)**, you can also apply to SP at these other admissions exercises that take place at the beginning of the calendar year:

	Secondary School		ITE	
	'O' Levels	'N' Levels	Nitec	Higher Nitec
Joint Admissions Exercise JAE (Jan)  Scan to find out more about JAE	✓	✗	✗	✗
<i>*Applicants interested to apply for the Diploma in Nautical Studies should apply under the Direct Admissions Exercise in addition to submitting their JAE application for their other eligible courses.</i>				
Direct Admissions Exercise DAE (Jan - Feb) 	Only applicants interested to apply for the Diploma in Nautical Studies should do so during DAE.	✗	Only applicants interested to apply for the Diploma in Nautical Studies should do so during DAE.	
Polytechnic Foundation Programme PFP (Jan) 	✗	✓	✗	✗
Joint Polytechnic Admissions Exercise JPAE (Feb) 	✗	✗	✓	✓
<i>*For final-semester graduating ITE students only.</i> <i>*Applicants interested in applying for the Diploma in Nautical Studies should apply under the DAE, in addition to submitting their JPAE application.</i>				
Direct Entry Scheme DPP (Feb; happens during JPAE) 	✗	✗	✗	✓ <i>*Students admitted to Higher Nitec DPP courses are guaranteed a place in one of the polytechnic diploma courses mapped to their Higher Nitec course, provided they meet the minimum qualifying GPA scores upon completion of their Higher Nitec course.</i>

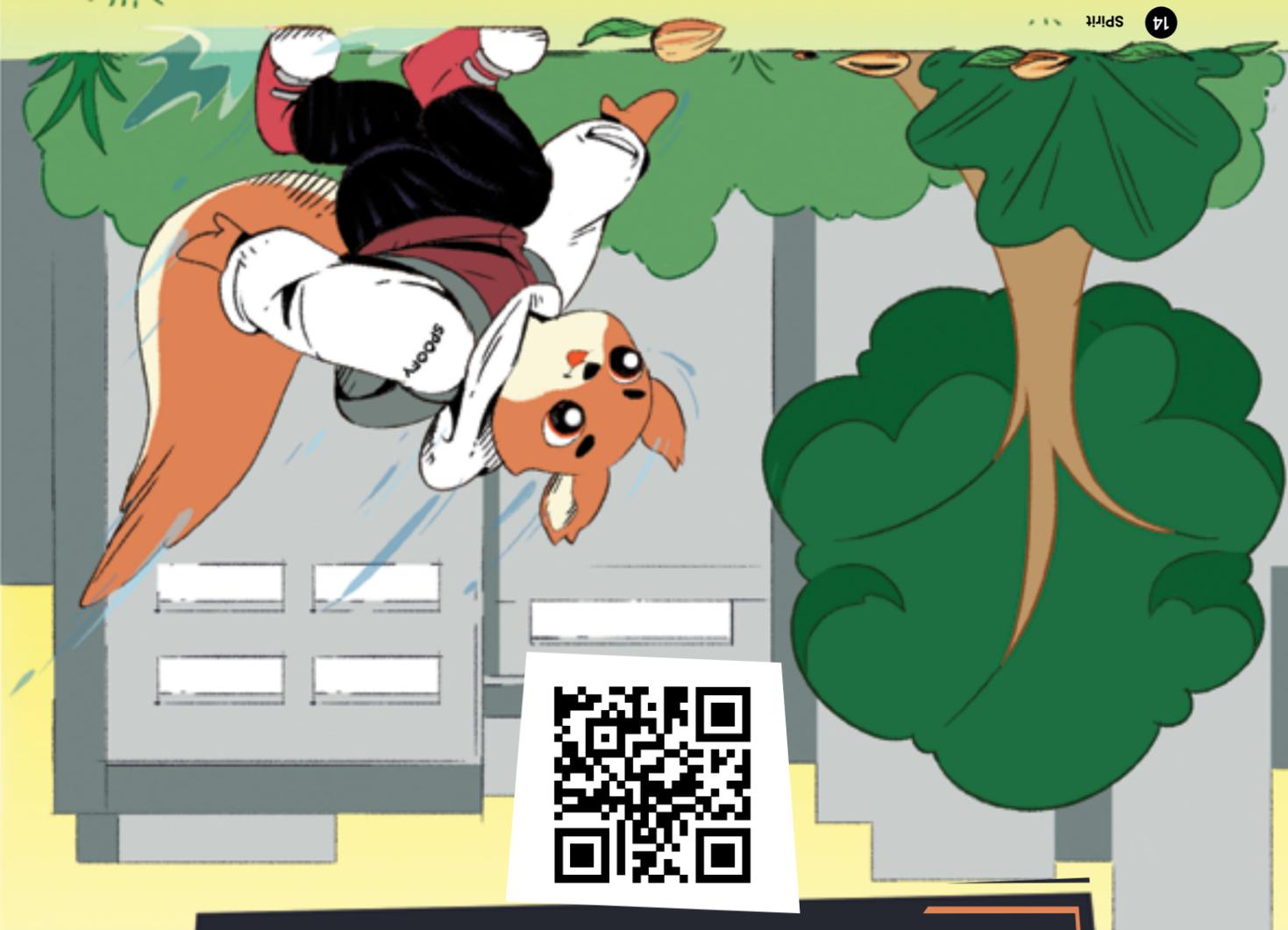


HUNTS FOR HIS DREAM ROOMMATES

If you have been following SP's Instagram stories, you would have seen SPoofy, the resident squirrel of SP.

Affectionately named SPoofy by his fans, he is often spotted climbing up trees and roaming the campus of SP. If you join SP, you may very well be one of the lucky ones to spot him on your way to class. His elusive nature is just one of the reasons people love him in addition to his cuteness and star personality! Don't underestimate his size, he probably has a larger following than you on social media!

Having lived in SP by himself all this while, SPoofy thinks it's time to find some friends to share SP's very large campus with. He has put up notices all around school and has received some replies. Flip to **Pg 12 and 13 of SPirit** to find out if SPoofy finds his dream roommates!



SPoofy is meeting his potential dream roommates and he wants to gift nuts to them. Help him collect the nuts by scanning the QR code below and answering six simple questions. For every question you complete, SPoofy will get some nuts. Help him collect all of them! Stand to win a \$10 coffee gift card if you answer all six questions correctly.

We have 20 cards up for grabs, so best of luck!

P.S. Some of the answers can be found in Right Choice. (Flip the magazine over!)



HELP

Quest for Roommates

Spoofy found his dream home in SF. Now, can our beloved resident squirrel find some mates to share his home with? Follow Spoofy as he visits the different schools on campus. Who will Spoofy meet and will he find his dream roommates?

Media, Arts & Design School

As Spoofy waits outside the **Fin-X Facility** for Amira to finish her business presentation, he cannot help but notice the room arrangement — the front half of the room is filled with round tables while the back half comprises a meeting room and lounge area. It looks like a real office setting especially with everyone dressed professionally and looking super smart. Amira is all smiles when she exits the hall and introduces herself confidently after she shakes Spoofy's hand. Looking down at his outfit, Spoofy wonders if it's time to get himself a formal outfit for school presentations too.

Spoofy meets Jack, a DMAD student who is deciding on the discipline he wants to specialise in since there are eight to choose from! He shows Spoofy **The Writers' Room, Black Box, Drawing and Visual Effects Studio** and finally arrives at the **Music & Audio Production Suite** where his next class is at. He tells Spoofy he will often have project mates over if he were to stay at Spoofy's because the students at MAD often work in groups to develop integrated solutions to help clients solve real-world problems.

School of Computing

At the **Cyber Warfare Centre**, Spoofy finds Jen, who is furiously typing away. Jen tells Spoofy without looking up that she is trying to defend against her classmates who are launching cyber attacks in the exercise that they are doing. While waiting for Jen to finish, Spoofy heads for the **Agile Solutioning Centre** to look for AI robot SF-54 to find out what's new in the world of AI. Jen texts Spoofy on WhatsApp to tell him that she needs to rush off for a competition and asks if she can bring home her new augmented reality project if she agrees to become his roommate.

School of Mechanical & Aeronautical Engineering

Spoofy spots Faye waving from behind a beautiful A45U Super Skyhawk fighter plane. Faye tells Spoofy excitedly that she is so honoured to be selected as one of the few who gets to work on the plane. After Faye brings Spoofy around the entire **Aero Hub** that is 4,660 sqm, she drags Spoofy to meet her lecturer at the **Advanced Manufacturing Centre** and shows him the cool machinery she gets to work with. Spoofy thinks that Faye would be a great roommate to have around as she will definitely have good solutions on hand.



Multi-Storey Carpark

Auditorium

Multi-Purpose Field

Olympic-sized pool



Dover MRT



Food Courts



Singapore Maritime Academy

Bahr tells Spoofy that he spent his whole day at the **Integrated Simulation Centre** and has to prepare for his Maritime Experiential Learning Camp tomorrow. He tells Spoofy that he cannot wait to go out to sea and eventually sail on board the **STS Pallada**. Bahr raves about his lecturer who used to be a ship captain and how his friends' lecturer was a chief engineer before. Spoofy jokingly asks if Bahr will even need a room onshore. Bahr laughs, "Just until I graduate lah, can?"

School of Electrical & Electronic Engineering

Spoofy walks briskly towards the **5G Garage**, eager to meet Yi who promised to show him the **Rail System Simulator** that is a first among the other polytechnics. Yi tells Spoofy that he is in for a treat as not only will he get to tour the **Nanofab & Integrated Circuit Design Lab** today, she will also be introducing him to her friends who are testing out the internal battery system of an autonomous electric car to find a way to reduce the pollution caused by the scrapping of electric car batteries. Spoofy tells Yi that he thinks she will definitely hit it off with Faye and may spend the whole night talking about engineering if they were to share a room.

Library

WHO DO YOU THINK I SHOULD CHOOSE? I ONLY HAVE THREE ROOMS IN MY HOUSE. HELP ME DECIDE BY VOTING FOR YOUR TOP THREE ROOMMATES ON SP'S INSTAGRAM!

School of Chemical & Life Sciences

Spoofy sees Lydia walking towards him in a white coat and wonders why she is all dressed up. She tells him all about the state-of-the-art facilities that CLS students get to use for research and learning such as the **Energy & Chemicals Training Centre**. In fact, she is heading to the **Perfumery and Cosmetic Science Centre** for her class now. An idea suddenly occurs to him and his eyes light up — maybe he will be able to get Lydia to customise a cologne just for him if she becomes his roommate!



School of Architecture & the Built Environment

At the **Dream Builders 1**, Spoofy finds Shaun testing his newly constructed building model on the earthquake simulator. The model is thin and tall but surprisingly, it can withstand the earthquake tremors on the simulator. Seeing that Spoofy is in awe, Shaun decides to show him the **Building Services Lab, Event Space, The Forum and the design studios**. Spoofy thinks to himself, "If I choose Shaun as my roommate, I'm sure he can give useful tips on how to optimise space in our house!"



Scan to tour SP virtually!



Scan to watch them battle it out as they pit their skills against each other in this exciting challenge!

Dhanial and Hamzah, secondary four students from Greendale Secondary School, both profess to be plane lovers and want to enrol into SP's **Diploma in Aerospace Electronics (DAE)** during EAE. SP's School of Electrical & Electronic Engineering specially designed a challenge so that they can experience first-hand what being a DASE student at SP will be like.

ARE YOU READY TO TAKE YOUR INTEREST TO THE NEXT LEVEL?

THE SP CHALLENGE

Dhanial
Hamzah

WHAT FUELS OUR SP SCHOLARS

Iron Man drinks liquid chlorophyll, Joseph Schooling drinks Milo and our top PSLE students drink chicken essence.

So what is our SP scholars' go-to drink from the six food courts (FC)?

- FC1: SHEENA SEOW**
Alma of Chua Chu Kang Secondary School
Diploma in Integrated Events & Project Management
- FC2: NABIL ALI**
Alma of Tanglin Secondary School
Diploma in Maritime Business
- FC3: ANNA KWA**
Alma of Kuo Chuan Presbyterian Secondary School
Diploma in Creative Writing for Television & New Media
* Will be replaced by the Diploma in Media, Arts & Design (Story Design (Music Production)) w.e.f. Apr 2021
- FC4: KELLY TAY**
Alma of Kranji Secondary School
Diploma in Mechanical Engineering
- FC5: M HARIHARAN**
Alma of Punggol Secondary School
Diploma in Computer Engineering
- FC6: TAN YUQING**
Alma of Christ Church Secondary School
Diploma in Music & Audio Technology
* Will be replaced by the Diploma in Media, Arts & Design (Music Production) w.e.f. April 2021

WHAT'S THE TEA

BUT FIRST, COFFEE

THE BEST OF BOTH WORLDS

IF IT'S GOOD ENOUGH FOR SCHOOLING...

CHENG HUI WEN
Alma of Fuhua Secondary School
Diploma in Information Security Management

Spotlight

Be it coming up with innovative products that can improve the way people live, work and play or taking up meaningful roles in society, our graduates have definitely accomplished that and perhaps more. Read to find out what your potential SP seniors decided to do in their final semester. If you are inspired, join us! It's your turn to shine in the spotlight.

WHO:

Guan Jin Yuan,
Ong Zheng Xiang,
Sim Jin Heng, S. Naveen
Diploma in Mechatronics & Robotics (DMRO) Graduates



Scan this QR code to see the Air Duct Cleaning Robots in action.



Scan this QR code to hear the students talk about their final year project themselves.

Diploma in Aerospace Electronics (DASE) Graduates

Brian Siew Wee Kian,
Hudzaifah Bin Muhammad Taufiq,
Chua Chong En,
Ryan Tan Wei Yao
Not pictured:
Law Zong Han Edmund,
Brandon Abejuela Tay,
Aloysius Ong,
K Muneesh Theeban,
Abdul Raut Bin Jamaludin,
Chua Thiam Soon,
Muhammad Sybilley Bin Moham Alinzom,
Tan Jun Hern

WHO:

WHO:

Diploma in Infocomm Security Management (DSM) Graduate and Polytechnic Scholar



Turning Data into Insights: As an intern at DSTA's Information Programme Centre, Venus gained insights into the exciting field of data analytics! She had the hands-on opportunity to create dashboards that enabled data to be visualised and understood easily. In addition to applying what she learnt in SP — knowledge on using Tableau and basic Python programming, she also met some great mentors who taught her useful technical skills.

What's next: Venus hopes to further her studies in information technology to become a better programmer in the future.

Their solution: Building robots to inspect and clean cylindrical air ducts usually installed in ships and oil rigs to reduce health risks of being directly exposed to dust particles.

What's cool: These robots move through the air ducts like a pro — going through bends and climbing up pipes, without leaving any dust behind, making cleaning a breeze (literally) since the robots flush particles out of the duct with compressed air. Operators can inspect the pipes and control the robots from the comfort of their office in real time since these amazing robots are also fitted with cameras that provide a live video feed.

WHO:

Norman Azam
Diploma in Landscape Architecture (DLA) Graduate



Promote community interaction using flora and fauna: Norman's idea of a perfect landscape is a space that is aesthetic, sustainable and interactive. For his final year project, he brought to life his perfect landscape idea by developing a design concept for residents living in Kranji-Marling. In his concept, the space features an urban farm area for residents to grow their own produce, a therapeutic garden with medicinal herbs and a green gallery where residents can paint using natural plant dye and display their works of art for all to enjoy. There's literally something for everyone.

What's cool: He created the design feature, "The Winged Pod" which is a unique trellis that mimics a falling seed to encourage residents to grow their first garden.

WHO:

Natasha Khoo
Diploma in Maritime Business (DMB) Student



Working for one of the largest shipping companies in the world: At Maersk, Natasha's work revolved around analysing data and compiling performance reports. Her biggest challenge is ensuring that vessels carrying goods for Singapore are not delayed so that Singaporeans get to enjoy a steady supply of food and clothing.

What's next: Although SP prepared her well for the challenging role, the real-life operations of the industry still came as a surprise to her. It was fast-paced and nothing like what she had seen before. Eager to learn, she used the opportunity to sharpen her problem-solving skills and now, she is ready to join the world of maritime operations.

WHO:

Lumna Chitrakar and Crystal Chia
Diploma in Visual Effects & Motion Graphics (DVEMG) Graduates
Design (Motion Design & Effects) w.e.f. April 2021

Monomania: Lumna and Crystal brought into play the use of psychedelic colours in creating their projection for their final year project with the **Central Narcotics Bureau**. Lumna and Crystal came up with a new way to tell the age-old story of how drugs can ruin one's life by using a new and exciting medium — projection mapping.

Educating youths to stay drug-free in collaboration with the Central Narcotics Bureau: Lumna and Crystal used to show the effects of drug use. The bright colours are used to illustrate, in a very visual manner, the irreversible damage drugs cause to one's body and warn youths not to be seduced by their temporal allure. To make this relevant to youths, the main protagonist in their projection story is a persona that faces challenges relatable to youths — stress, the need to fit in and FOMO (fear of missing out).

Sounds interesting? You can catch Monomania first-hand at this year's Anti-Drug Abuse Campaign happening in June! Follow **@singaporepoly** and **@CNB_DrugFreeSG** on Facebook and Instagram for updates.

WHO:

Shaikh Mohamed Haady Bin Shaikh Mohd Reza Mattar
Diploma in Biomedical Science (DBS) Graduate

Blood Research Expert in the making: As a clinical research coordinator at the National Cancer Institute Singapore (NCIS), Haematology-Oncology Department at the National University of Singapore Hospital (NUH), Haady was tasked to recruit patients and collect samples to help doctors in their research studies pertaining to blood-related cancers. On top of this, he was also given the important role of ensuring all essential documents in the Department's research studies comply with the ethical and legal laws set by the Ministry of Health.

Inspired to serve: The most rewarding experience of his internship was getting to hear the different stories from the cancer patients he had the chance to interact with. Haady also got to meet healthcare professionals who spurred him to work even harder to achieve his dream.

WHO:

Fathul Rahman Bin Bashir
Diploma in Banking & Finance (DBKF) Graduate



Managed transactions amounting to more than 5 million SGD: As a wealth management operations intern at DBS Private Bank, Fathul was involved in the back-end operations of all bonds and equities transactions made by private clients. He played a pivotal role in checking that each transaction, easily between six to eight figures, was error-free before they were approved. In the process, he also learnt how to use technical software such as Bloomberg Terminal and Avaloq, which will be useful in his future role.

What's next: Fathul plans to further his studies in finance and work towards becoming a corporate or investment banker.

WHO:

Shaikh Mohamed Haady Bin Shaikh Mohd Reza Mattar
Diploma in Biomedical Science (DBS) Graduate



GROWING AMBITIONS

Be it building the landscapes of tomorrow or

creating believable fantasy worlds, these two

SP alumni were unafraid to chase after what

they want and boy, are they living the dream.

Senior Landscape Architect (Design), National Parks Board

SP Alumna, Diploma in Landscape Architecture (DLA), Class of 2010



Why DLA?

▲: My friends used to joke that I was training to be a gardener by studying landscape architecture. However, after three years in SP, I came to realise that a landscape architect has the important task of designing environmental landscapes like parks and gardens. It is a fulfilling role that has the potential to improve the lives of people who use these spaces.

Most memorable project to date?

▲: That would have to be the collaboration project with MOH Holdings for the new Woodlands Health Campus (WHC) targeting the elderly and patients with dementia. The goal is to integrate the new WHC with the adjacent public park, and create therapeutic gardens both within and surrounding the hospital grounds. We created seamless connectivity from indoors to outdoors including closed-loop paths within the garden where there is only one entry and exit. This will prevent patients with severe dementia from getting lost.

What is a goal you want to accomplish in the near future?

▲: With my specialisation in Health Design, I would like to create more outdoor spaces, with a focus on comfort and health restoration, especially for people with specific needs. Apart from that, I also hope to contribute in curbing ecological issues like rising sea levels and climate change. These are pressing issues that need to be addressed in order to mitigate the effects on coastal areas.

Be courageous, take a leap of faith and you may just end up finding your true passion!



Pursuing a Master's degree in Fine Arts

in Motion Media Design, Savannah College of Art and Design (SCAD)

SP Alumnus, Diploma in Visual Effects &

Motion Graphics (DVEMG), Class of 2013*

* DVEMG will be replaced by the Diploma in Media, Arts & Design (Motion Design & Effects) w.e.f April 2021.

Why DVEMG?

▲: Ten years ago, I came across a YouTube tutorial on how one can use a video editing software to "clone" oneself. I was so intrigued and fascinated by the tutorial that I began scouring the internet for all sorts of resources on creating motion graphics and visual effects. That was how I found SP's Diploma in Visual Effects & Motion Graphics course and I applied to join SP via the Direct Polytechnic Admission (now known as Early Admissions Exercise).

Best thing about SP?

▲: We learnt a lot. And I do mean, everything. From graphic design principles, photography, videography, special effects makeup to production design, I have probably done it all in SP. My passion and expertise lie in creating visual effects but because SP had us take a variety of modules, I left SP as a well-rounded artist and can now take on any projects that come my way.

How did you end up halfway round the globe?

▲: After graduating from SP, I was offered a half scholarship by the Savannah College of Art and Design (SCAD) in the United States but the scholarship money offered was not enough for me to pursue my dreams of studying overseas. So, I worked. After National Service, I joined a visual effects studio. I took an Adobe Certified Expert Exam. I started my own YouTube tutorial channel: NoSleepCreative, to teach people how to create motion graphics and visual effects. I applied to SCAD again armed with my work experience and newfound accolades. I was offered a full scholarship this time and was off to SCAD (Hong Kong Campus).



It is perfectly fine and natural to not know what lies ahead or what you want as a career. Trust the process, and more importantly trust yourself in whatever decision you make in life.

Today, I am in the US, back in school doing my Master's Degree in Fine Arts in Motion Media Design after working at WarnerMedia as a Motion Graphic Designer doing broadcast motion graphics for big brands such as Cartoon Network, NBA and Turner Classic Movies.

Glasses Off, Fun On! Hat?

TRISTAN
is a minicraft fanatic and can also read Cyrillic.



SCOTT
loves diving so much he went to get a boat licence.



If you think our top graduates only know how to study, think again. Between owning their own businesses to playing eight types of sports, you'd actually wonder how they find the time to study!

IZZAT
enjoys gaming and is secretly training to become a Yu-Gi-Oh master.



KIMBERLY
does cosplay and her favourite character to play is Ayano Tateyama.



M!n M!n
enjoys writing poems and when inspiration hits, there's no stopping her pen!



RYAN
speaks six languages including German, French, Spanish and Italian.



GERWYN
plays eight types of sports and thinks he is best at Frisbee.



CHERIZE
crochets and does embroidery for fun (and to earn some extra pocket money). Check out her work at @the.threadsurry!



JOSEPHINE
owns an international creative business, @jojokwanspans and donates a large portion of the profits to the World Wildlife Fund and Red Cross.



THE CREAM OF THE CROP

Meet our top graduates this year. Finishing their final year amidst a global pandemic was certainly not what they had in mind, but our nine Institutional Medallists pulled through to achieve some serious achievements!



The safety and well-being of our students is of utmost importance to SP. Safe distancing measures were in place when we photographed the Institutional Medallists for this spread.

From left to right (Top row): Toh Chin Chye Gold Medallist: Geryn Teo (Diploma in Business Administration), Tay Eng Soon Gold Medallist: Izzat Bin Mahad (Diploma in Bioengineering)*, Lee Kuan Yew Award recipient: Ryan Ong (Diploma in Aerospace Electronics), Lee Kuan Yew Award recipient: Tristan Voon (Diploma in Aeronautical Engineering)

From left to right (Bottom row): Tan Kay Yong Gold Medallist: Scott Lee (Diploma in Experience & Product Design), Chua Chor Teck Gold Medallist: Cherize Zaidi (Diploma in Human Resource Management with Psychology), Low Guan Onn Gold Medallist: Josephine Kwan (Diploma in Landscape Architecture), Lee Kuan Yew Award recipient: Kimberly Suriya (Diploma in Mechatronics & Robotics), Lee Kuan Yew Award recipient: Chua Min Min (Diploma in Infocomm Security Management)

* The Diploma in Bioengineering is now offered as a specialisation under the Diploma in Mechanical Engineering.

Read their stories in **Right Choice** on pgs 11, 25, 43, 53 and 58 or turn the page to get to know their fun side!

WHAT'S INSIDE?

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Our nine Institutional Medalists (IMs) pulled through a global pandemic to achieve some serious achievements. Find out who they are here.

04 — **Our IMs are anything but dull.**
We actually wonder how they even find the time to study.

06 — **Building tomorrow's landscapes and fantasy worlds**
Read about how two of our SP alumni are now living their dreams.

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the coolest final year projects and internships this year.

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Which candidate from Greendale Secondary School will emerge victorious and "earn" the coveted spot in their dream diploma? Read to find out!

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12 — **Will Spooly find his dream roommates?**
Help our resident squirrel out.

14 — **Contest time**
Win yourself a \$10 coffee gift card!

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Cover Models

Top: Ryan Ong, Chua Min Min,
Kimberly Surya, Gerwyn Teo,
Josephine Kwan

Bottom: Cherize Zaidi, Izzat Bin
Mahad, Scott Lee, Tristan Voon

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