YOUR COURSE GUIDE TO THE RIGHT CHOICE 2021
Here are ten reasons SP is the right choice for you.

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.

5. **Why SP?**

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!

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

@singaporepoly
/singaporepolytechnic
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/](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.

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.

**ADMISSIONS CRITERIA**

- Graduating ‘O’ Level students
  - Meet the minimum entry requirements (MERs) for the offered course (Refer to P2 to P6 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)

**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?

**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.

**Step 3: Offer & Acceptance stage**
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.

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**Step 4: 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!

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](https://instagram.com/Singaporepoly) and watch that space or scan this QR code now. Good luck!

**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!

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

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**Kelly Tay**
Diploma in Mechanical Engineering
Alumni of Kranji Secondary School

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

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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)
- FACILITIES MANAGEMENT (S95)
- 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

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 fulfill SUTD Term 1 course in place of elective modules in the final phase of their Diploma programme.

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

SCHOLARSHIPS

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship

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.

Access Han
DARCH Gold Medallist, Class of 2019

BROCHURE

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

SUBJECT GRADE

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<th>SUBJECT</th>
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<tr>
<td>Mathematics</td>
<td>1 – 7</td>
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<tr>
<td>Any three subjects</td>
<td>1 – 6</td>
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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)

The Right Choice  •  Singapore Polytechnic
The Right Choice • Singapore Polytechnic

ARCHITECTURE & THE BUILT ENVIRONMENT
CIVIL ENGINEERING
DCE - S$68

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

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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.

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

ARCHITECTURE & THE BUILT ENVIRONMENT
FACILITIES MANAGEMENT
DFM - S$95

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

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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
- b2SAFE Level 2 (Risk Management)
- Supervise Construction Work for WHS

SCHOLARSHIPS
• ConCor 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

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.

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.

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

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The Right Choice  •  Singapore Polytechnic

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)

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

FURTHER STUDIES
You can gain direct entry into various undergraduate degree programmes offered by local and 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.

ARCHITECTURE & THE BUILT ENVIRONMENT
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)

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

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 Owen House. I even had the privilege to run the DID graduation show 2019 as the chairman! 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

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 DEPM diploma will get you generous advanced standing from reputable foreign universities and module exemptions from local universities.

ARCHITECTURE & THE BUILT ENVIRONMENT

The Right Choice  •  Singapore Polytechnic
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 technology 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

**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 Lincoln University; and in United Kingdom at the University of Sheffield that offer module exemptions and advanced standing according to the respective university requirements.

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**SCHOLARSHIPS**

- BCA-Industry Scholarship / Sponsorship
- Singapore Polytechnic Scholarship

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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 Gin Hui
DLA Gold Medallist, Class of 2020
At SP School of Business, you can choose from a selection of diploma programmes that meet 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 Accountants 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 or Finance, 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

**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 to pursue the Chartered Accountant qualification. 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, EDO, Fox Kon, Tan and Maisar.

**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 future careers in the accounting world.

**BE READY FOR A RICHLY-FULFILLING CAREER**

As a DAC graduate, you will be sought after in the fields of:
- Accountancy
- Auditing
- Banking
- Finance
- Taxation

You may also receive generous exemptions from the professional accountancy bodies such as ACCA, ICAEW and ICAIA, 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

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>GRADE</th>
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</thead>
<tbody>
<tr>
<td>English Language</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Mathematics (Elementary)</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Any three other subjects</td>
<td>1 – 6</td>
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Note: To be eligible for admission, you must also have set 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.

EMBRACK 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
- Fraud 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 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 compiles 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 RELEVANCE & 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:

- Bank Industry
- 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 Banko, Financial Institutions, Fintech Companies and SMEs (e.g. UOB OCBC, DBS, MODULIS, Sensis, etc.), you are well recognized by local / foreign universities, professional bodies and the industry.

You will 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 where you thrive! You will work on an applied industry problem, 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 work-and-life ready! Our industry partners such as Watsons Singapore, Gongcha Singapore River Cruises, Salom Movers, Kappal Logistics, Exion Asia, Bolloré 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. DBKF also offers students real work experience through hands-on consultancy projects in our client-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 for 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 active learning, 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 existing domain areas: Innovation & Entrepreneurship, Digital Marketing & Branding, and International Trade & Operations

The modules you pick will determine if you graduate as a Specialist (2 domain areas), or an Integrator (3 domain areas). Unlike other course-based degrees that are fixed and predetermined in DBA. Starting in Year 2 and 3, you can select up to 6 modules based on your aspirations and interests from the three domain areas. Alongside modules you

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

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.

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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!

FURTHER STUDIES

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

HBGMP

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).

The 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.

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)

The CBP 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.

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Common Business Programme (SB Common First Year Modules)

- DAC
- DBA
- DBKF
- DHRMP

A REWARDING PATH

Our innovative and unique Human Resource Management programme at Singapore Polytechnic 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 Partner 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.

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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.

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 benefitted 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.

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 synthesis 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.

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

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).
- Internship or dedicated research experience with local and overseas institutions.

CRIME 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.

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.
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.

**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 to provide 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

**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
- MOHT Holdings Scholarships
- Singapore Polytechnic Scholarships

**Further Studies**

A high percentage of our graduates are offered admission to local universities. You may also be granted direct entry into the second or third year of degree programmes in Australia and the United Kingdom. You also have the flexibility to pursue other disciplines such as Medicine at the National University of Singapore (NUS) or Nanyang Technological University (NTU), Dentistry at NUS, as well as Biomedical Sciences and Chinese Medicine at NTU.

**Chemical engineering**

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 McEwen, 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!

**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.

**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
- Supply Chain Specialist
- Technical Specialist
- Training Specialist

**Scholarships**

- A*STAR Science Award
- Mitsubishi 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.
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  1 – 6
One of the following  1 – 6

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

SCHOLARSHIPS

- A*STAR Science Award
- BASF Scholarship
- MOH Holdings Scholarships
- SFMA - Pak Cheng Chuan Scholarship
- SIFST Best Student Award cum Rintoul Memorial Scholarship
- Singapore Polytechnic Scholarships

FURTHER STUDIES

You can apply for related degree programmes at local or overseas universities such as the Bachelor of Science in 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 Biomedical 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

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 Bioinformatics 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 KO Kaya, Lemongrass & Kalamansi drink etc

CAREER OPTIONS

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

APPLICATIONS ARE OPEN!

You can apply now at www.sp.edu.sg/apply.

The Right Choice • Singapore Polytechnic

OPTOMETRY
DOPT - S67

ENTRY REQUIREMENTS

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

SUBJECT  GRADE
English Language  1 – 7
Mathematics  1 – 6
One of the following  1 – 6

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

COURSE HIGHLIGHTS

- First tertiary institution in Singapore to offer this course since 1994
- 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 Singapore Optometry 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
- Medical Optometrist
- Optometry Practice Manager
- Practice Manager for registered Optometrists.

APPLICATIONS ARE OPEN!

You can apply now at www.sp.edu.sg/apply.

The Right Choice • Singapore Polytechnic

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!

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

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

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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 Bioinformatics 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 KO Kaya, Lemongrass & Kalamansi drink etc

CAREER OPTIONS

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

APPLICATIONS ARE OPEN!

You can apply now at www.sp.edu.sg/apply.

The Right Choice • Singapore Polytechnic

The Right Choice • Singapore Polytechnic
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 perfume, chemists, and cosmetic 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 Techniques 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.
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:

#1: Experiential Learning Spaces

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

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.

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.

4. Cyber Wargame Centre
   Students get to hone their cyber defence skills through scenario-based simulated cyber attacks.

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

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

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.

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.

For more information regarding entry requirements, courses and careers please contact:
School of Computing
Tel: (65) 6775-1113  Fax: (65) 6772-7912
Email: contactus@sp.edu.sg
Website: www.sp.edu.sg/soc

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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?

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)

The Right Choice • Singapore Polytechnic
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!

### ENTERPRISE REQUIREMENTS

**Range of Net 2021 JAE ELR282: 3 - 11**

**Aggregate Type:** ELR282-C

**Subject Grade**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>1 – 7</td>
</tr>
<tr>
<td>Mathematics (Elementary)</td>
<td>1 – 6</td>
</tr>
<tr>
<td>Any two other subjects</td>
<td>1 – 6</td>
</tr>
</tbody>
</table>

**Note:**
To be eligible for admission, you must also have set 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)

### 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 (CST) Diploma Scholarship
- Defence Science and Technology Agency (DSTA) Polytechnic Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship
- Singapore Digital (SGD) Scholarship (Polytechnic)
- Singapore Polytechnic Scholarship
- Singtel Cyber Cadet Scholarship

### 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.

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 want above and beyond. My achievements are not my own, but a culmination of the guidance and work put in by the lecturers.

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. As 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

### SCHOLARSHIPS

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

### 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
- UX Designer
- Web Developer

### INDUSTRY NOW CURRICULUM (INC)

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, RPMS, SingTel, PWD Insurance, DBS, UOB, Associates Consulting and Ubssoft 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.

### SCHOLARSHIPS

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

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.
MEDIA, ARTS & DESIGN SCHOOL

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.

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

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
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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)
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.

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

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 YEAR

- 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

- Creature Effects
- Elective 3
- Final-Year Project

- Internship Programme
- User Interface And Experience Design

SECOND YEAR

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

THIRD YEAR

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

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

- **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**

- **First Semester**
  - 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

- **Choice One of Two**
  - Portfolio Design
  - Social Innovation Project
  - Video and Audio Fundamentals

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

**THIRD YEAR**

- **First Semester**
  - Elective 3
  - Experience Design Studio 2

- **Final-Year Project**

- **Internship Programme**

**THE 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**

- **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 2
  - MAD Studio Project
  - MAD White Space 1
  - Portfolio Design
  - Social Innovation Project
  - Video and Audio Fundamentals

**SECOND YEAR**

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

- **Third Year**

- **Elective 3**
- **Game AI and Multiplayer Programming**
- **Game Design and Development Studio 3**
- **Immersive Application Development**
- **Internship Programme**
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**

1. **First Semester**
   - Critical and Analytical Thinking
   - PlayLab

2. **Foundry Modules**
   - Principles of Design
   - Story Craft
   - Understanding Humans & Communities

3. **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

4. **Second Semester**
   - Branding Fundamentals
   - Elective 1
   - Narrative Thinking
   - Research Methods
   - Video and Audio Fundamentals
   - Writing Across Media Platforms

5. **SECOND YEAR**
   - Advertising
   - Building a Brand
   - Digital Analytics
   - Digital Content Development
   - Digital Marketing
   - Elective 2
   - MAD Studio Project

6. **THIRD YEAR**
   - Elective 3
   - Final-Year Project
   - IMC Studio Project

---

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**

1. **First Semester**
   - Critical and Analytical Thinking
   - PlayLab

2. **Foundry Modules**
   - Principles of Design
   - Story Craft
   - Understanding Humans & Communities

3. **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

4. **SECOND YEAR**
   - Cross-Platform Design
   - Digital Compositing
   - Dynamic Typography
   - Effects Animation
   - Elective 2

5. **THIRD YEAR**
   - Elective 3
   - Emerging Media
   - Film Titles

---

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.
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

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 YEAR

- 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

- 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

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 YEAR

- 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

- Elective 3
- Final-Year Project

- Internship Programme
- Media Law & Ethics

- Options (Choose One of Two)
  - Entertainment Content Production
  - The Integrated Newsroom
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 multidisciplinary 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 Aid
- 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 Modeler
- Assistant Producer
- Camera Layout Artist (Camera tracker)
- Colourist
- Compositor
- Concept / Background Artist
- Graphic Designer
- Lighting Artist
- Compositor
- 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.

**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 Assurance 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) Conferences 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.

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

**SCOTT LEE**
Diploma in Experience & Product Design (DXPD)
Tan Kay Yong Gold Medallist
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 include four aircraft and two full-motion simulators, one of which is developed and built in-house.

Teaching and learning is based on the proven COID (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.

**AERONAUTICAL ENGINEERING (DARE) - S88**

**COURSE HIGHLIGHTS**

This course offers:

- State-of-the-art aircraft training facilities at the Aerohub with four aircraft (Hawker 125-700A, King Air B90, ASU 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.
  - Aircraft Maintenance Practices and Aerospace Composite Repair.
  - Flight 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).

**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

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**DARE ELECTIVE TRACKS**

- Aeronautics and Manufacturing
- Furthering
- Broadening
  - Aviation Management
- Deepening
  - Aeronautical Engineering

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 Ariflmi  
DARE Gold Medallist  
Recipient of the Public Service Commission (Engineering) Scholarship. Class of 2019
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.

**MBA ENGINEERING**

**AEROSPACE ELECTRONICS**

DASE - S90

**ENTRY REQUIREMENTS**

Range of Net 2021 JAE ELR2B2: 5 - 15
Aggregate Type: ELSR2B2-C

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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, SJSU, 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 SIT'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.

Charan Senthil Kumar
DASE Gold Medalist, Recipient of the Nanyang Scholarship, Class of 2020

**COURSE HIGHLIGHTS**

This course offers:
- 4,660-square metre state-of-the-art aircraft training facilities at AEROHUB with four aircraft (Nokia DS-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-SUTD 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, SJSU, SUTD, Embry-Riddle Aeronautical University (USA), Imperial College (UK) and University of New South Wales (Australia)

**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 (Aerospace)
- Assistant Technical Service Engineer
- Flight Operations Officer
- Licensed Aircraft Maintenance Engineer
- Planning Executive
- Quality Assurance Officer (Aircraft Systems)

**ENGINEERING**

**COMMON ENGINEERING PROGRAMME**

CEP - S40

**ENTRY REQUIREMENTS**

Range of Net 2021 JAE ELR2B2: 5 - 16
Aggregate Type: ELSR2B2-C

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**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.

**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**
**ENGINEERING**

**COMPUTER ENGINEERING**

**DCPE - S53**

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

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**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.

**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.
- Cyber Ops to enhance your career prospects.
- 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.

**CAREER OPTIONS**

Some possible careers include:
- Assistant Computer Engineer
- Associate Software Engineer
- Cloud Engineer
- Embedded System Engineer
- IT Support Engineer
- Network Engineer / Administrator
- Software / Mobile Applications Developer

**Diploma in Computer Engineering**

**FIRST YEAR (Common)**

**SECOND YEAR**

(choose one path: CES or CNS)

**THIRD YEAR**

(choose one option under the path)

**ENGLISH LANGUAGE**

**MATHEMATICS**

**CORE MODULES**

- Core Modules: Senior Management, Enterprise Communication Skills, 2 Free Elective Modules
- Core Modules: "22-week internship". Communication Skills, 1 Free Elective Module
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**ENR GINEERING**

**ELECTRICAL & ELECTRONIC ENGINEERING**

**DEEE - S99**

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

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**FURTHER STUDIES**

Since young, I have always been fascinated by electronic devices around me. Since I joined DCPE as 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.

**Tang Hao Liang**

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 work.

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

**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

**FURTHER STUDIES**

You can gain advanced standing of up to two years in mechanical engineering degree courses at local and overseas universities, such as:

- National University of Singapore (NUS)
- Singapore University of Technology & Design (SUTD)
- Singapore Institute of Technology (SIT)
- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Singapore University of Technology & Design (SUTD)
- Singapore Institute of Technology (SIT)
- University of Melbourne
- Imperial College London
- University of Manchester
- University of New South Wales
- Royal Melbourne Institute of Technology

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 businesses.

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!

**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 ELRS2B: 4 - 15
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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.

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 + iNOVATE 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
- 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.

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- Diversity in Further Studies & Career Options: Multiple pathways to local and overseas universities leading to exciting career opportunities in various industries and sectors
- 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.
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 Paladis, 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.

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 world-established maritime industry — one of the world’s busiest seaport and largest container ports.

The Right Choice • Singapore Polytechnic

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
- Electrical and Electronic Engineering
- Naval Architecture
- Offshore Technology
- Control 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

Shore Career Advancement

- Marine / Mechanical Engineering
- Naval Architecture
- Offshore Technology

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).

SEA CAREER

- Marine / Mechanical Engineering
- Naval Architecture
- Offshore Technology
- Control Technology

SHORE CAREER ADVANCEMENT

- Marine / Mechanical Engineering
- Naval Architecture
- Offshore Technology

ENTRY REQUIREMENTS

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>1 - 7</td>
</tr>
<tr>
<td>Mathematics (Elementary / Additional)</td>
<td>1 - 6</td>
</tr>
<tr>
<td>One of the following 3rd relevant subjects</td>
<td>1 - 6</td>
</tr>
</tbody>
</table>

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

As aspiring 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, and I continue to pursue a career in the maritime industry.

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

CONTACT US

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

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

The Right Choice • Singapore Polytechnic
The Right Choice • Singapore Polytechnic

SINGAPORE MARITIME ACADEMY

MARITIME BUSINESS
DMB - S74

ENTRY REQUIREMENTS

Range of Net 2021: JAE EL282: 8 - 17
Aggregate Type: EL282-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

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 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 equipment control and commercial sales roles from ships to ports.

Quek Jun Hui
TSHC Chy Height Medallist, DMB Gold Medallist, Class of 2015

SINGAPORE MARITIME ACADEMY

NAUTICAL STUDIES
DNS - DAE

ENTRY REQUIREMENTS

Aggregate Type: EL282-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
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• Creative 3D Animation
• Design & Technology
• Electronics Fundamentals of Electronics
• Food & Nutrition
• Physics
• Science (Chemistry, Biology)
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• Science (Physics, Chemistry)

"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

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).

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AGE EDUCATION
16
Diploma in Naval Studies (First International Class 2 CoC)
18
International Class 2 CoC
20
International Class 1 CoC

SEA CAREER PATH
Officer on merchant ships of marine class A and DP vessels (S$30,000+)
Officer on merchant ships of marine class B vessels (S$20,000+)
Chief Officer (S$55,000+)
Chief Officers and Second Officers of DP vessels, Bridge Operators, Marine Surveyors
Further Studies

SHORE CAREER PATH
Assistant Surveyor (Surveying, Planning & Design Services)
Pilot (Navigating Office, Marine Surveying, Offshore Services)
Management in Surveying, Planning & Design Services
Assistant Surveyor (Surveying, Planning & Design Services)

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Assistant Surveyor (Surveying, Planning & Design Services)
**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 DOES IT MEAN TO BE A SCHOLAR?**
- Blind-free scholarship of $3,000, tenable for the academic year awarded.
- Participation in the Singapore Polytechnic Outstanding Talent (SPOT) Programme.
- Subsidies for enrichment programmes.

**MORE SCHOLARSHIPS**

- **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.
- **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.
- **SPOT Programme**
  - Open to full-time diploma course students who have excelled in or contributed to CCAs or other programmes. Do not be troubled over payment of school fees or other 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.

**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. 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.

**JOSEPHINE KWAN**

Diploma in Landscape Architecture (DLA) Alumna of Woodlands Ring Secondary School

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 (PFP), where she will be nurtured into a future leader through specially tailored activities that include overseas exposure.

At SP, Josephine’s passion bloomed. During her three-month internship with an 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 model-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 customized bricks. 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.

**CHANGING THE WORLD THROUGH NATURE AND KINDNESS**

**TUITION FEES**

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore Citizen</td>
<td>$2,900</td>
</tr>
<tr>
<td>Singapore Permanent</td>
<td>$6,000</td>
</tr>
<tr>
<td>International Student</td>
<td>$11,000</td>
</tr>
</tbody>
</table>

**SCHEMES TO HELP PAY TUITION FEES**

- Mendaki Tertiary Tuition Fee Subsidy
- CPF-Approved Education Scheme
- Post-Secondary Education Account (PSEA)
- SP Sports Scholarship
- SP Needy Fund

**OTHER FINANCIAL ASSISTANCE SCHEMES**

- Polytechnic Foundation Programme (PFP) Study Award
- Polytechnic Foundation Programme (PFP) Bursary (For Singapore Citizens only)

**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.

**TECHNICAL TERMS**

**CPF**
- Central Provident Fund

**PSEA**
- Post-Secondary Education Account

**PFP**
- Polytechnic Foundation Programme

**SPOT**
- Singapore Polytechnic Outstanding Talent

**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 $795.22; achievable once a year. Please visit www.sp.edu.sg/sp/admissions/financial-matters/course-fees/help-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.
## 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:

<table>
<thead>
<tr>
<th>Secondary School</th>
<th>ITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>O’ Levels</td>
<td>N’ Levels</td>
</tr>
<tr>
<td><strong>Joint Admissions Exercise</strong></td>
<td></td>
</tr>
<tr>
<td>JAE (Jan)</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Scan to find out more about JAE**

*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.

<table>
<thead>
<tr>
<th>Direct Admissions Exercise</th>
<th>Only applicants interested to apply for the Diploma in Nautical Studies should do so during DAE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAE (Jan - Feb)</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Polytechnic Foundation Programme (PFP)**

<table>
<thead>
<tr>
<th>Only applicants interested to apply for the Diploma in Nautical Studies should do so during DAE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFP (Jan)</td>
</tr>
</tbody>
</table>

**Joint Polytechnic Admissions Exercise (JPAE)**

<table>
<thead>
<tr>
<th>Only applicants interested to apply for the Diploma in Nautical Studies should apply under the DAE in addition to submitting their JPAE application.</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPAE (Feb)</td>
</tr>
</tbody>
</table>

**Direct Entry Scheme (DPS)**

<table>
<thead>
<tr>
<th>Only 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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPS (Feb; happens during JPAE)</td>
</tr>
</tbody>
</table>

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**APPLIED & HEALTH SCIENCES**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Chemistry (DACP)</td>
<td>564</td>
</tr>
<tr>
<td>Biomedical Science (DBS)</td>
<td>598</td>
</tr>
<tr>
<td>Chemical Engineering (DCHE)</td>
<td>570</td>
</tr>
<tr>
<td>Food Science &amp; Technology (DFST)</td>
<td>547</td>
</tr>
<tr>
<td>Optometry (DOPT)</td>
<td>567</td>
</tr>
<tr>
<td>Perfumery &amp; Cosmetic Science (DPCs)</td>
<td>538</td>
</tr>
</tbody>
</table>

**BUILT ENVIRONMENT**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture (DARCH)</td>
<td>566</td>
</tr>
<tr>
<td>Civil Engineering (DCE)</td>
<td>568</td>
</tr>
<tr>
<td>Facilities Management (DFM)</td>
<td>595</td>
</tr>
<tr>
<td>Interior Design (DID)</td>
<td>589</td>
</tr>
<tr>
<td>Integrated Events &amp; Project Management (DEPM)</td>
<td>550</td>
</tr>
<tr>
<td>Landscape Architecture (DLA)</td>
<td>594</td>
</tr>
</tbody>
</table>

**BUSINESS MANAGEMENT**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountancy (DAC)</td>
<td>575</td>
</tr>
<tr>
<td>Banking &amp; Finance (DBKF)</td>
<td>576</td>
</tr>
<tr>
<td>Business Administration (DBA)</td>
<td>571</td>
</tr>
<tr>
<td>Common Business Programme (CBP)</td>
<td>531</td>
</tr>
<tr>
<td>Human Resource Management with Psychology (DHREM)</td>
<td>548</td>
</tr>
</tbody>
</table>

**ENGINEERING**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronautical Engineering (DARE)</td>
<td>588</td>
</tr>
<tr>
<td>Aerospace Electronics (DAE)</td>
<td>590</td>
</tr>
<tr>
<td>Common Engineering Programme (CEP)</td>
<td>540</td>
</tr>
<tr>
<td>Computer Engineering (DCPE)</td>
<td>553</td>
</tr>
<tr>
<td>Electrical &amp; Electronic Engineering (DEEE)</td>
<td>599</td>
</tr>
<tr>
<td>Engineering with Business (DEB)</td>
<td>542</td>
</tr>
<tr>
<td>Mechanical Engineering (DME)</td>
<td>591</td>
</tr>
<tr>
<td>Mechatronics &amp; Robotics (DMRO)</td>
<td>573</td>
</tr>
</tbody>
</table>

**INFORMATION & DIGITAL TECHNOLOGIES**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied AI &amp; Analytics (DAAA)</td>
<td>530</td>
</tr>
<tr>
<td>Common Infocomm Technology Programme (CITP)</td>
<td>532</td>
</tr>
<tr>
<td>Infocomm Security Management (DISM)</td>
<td>554</td>
</tr>
<tr>
<td>Information Technology (DIT)</td>
<td>549</td>
</tr>
</tbody>
</table>

**MARITIME STUDIES**

<table>
<thead>
<tr>
<th>COURSE CODE</th>
<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maritime Engineering (DMR)</td>
<td>563</td>
</tr>
<tr>
<td>Maritime Business (DMB)</td>
<td>574</td>
</tr>
<tr>
<td>Nautical Studies (DNS)</td>
<td>DNS</td>
</tr>
</tbody>
</table>

**MEDIA, DESIGN & HUMANITIES**

<table>
<thead>
<tr>
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<th>Range of Net 2021 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Media, Arts &amp; Design (DMAD)</td>
<td>529</td>
</tr>
<tr>
<td>Applied Drama &amp; Psychology*</td>
<td></td>
</tr>
<tr>
<td>Animation &amp; Game Art*</td>
<td></td>
</tr>
<tr>
<td>Design for Communication &amp; Experience*</td>
<td></td>
</tr>
<tr>
<td>Game Design &amp; Development*</td>
<td></td>
</tr>
<tr>
<td>Integrated Marketing Communications*</td>
<td></td>
</tr>
<tr>
<td>Motion Design &amp; Effects*</td>
<td></td>
</tr>
<tr>
<td>Music Production*</td>
<td></td>
</tr>
<tr>
<td>Story &amp; Content Creation*</td>
<td></td>
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</table>

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

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virtually!

Scan to tour SP School of Architecture &
the Built Environment, SPoofy finds Shaun
Dream Builders 1 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!"

School of Chemical & Life Sciences
SPoofy sees Lydia walking towards him in a white coat
about the state-of-the-art facilities that CLS students
get to use for research and learning such as the
Perfumery and Cosmetic Science
is heading to the
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?

Singapore Maritime Academy
Bahr tells SPoofy that he spent his whole day at
and has to
the
Integrated Simulation Centre
prepare for his Maritime Experiential Learning
wait to go out to sea and eventually sail on board
the
STS Pallada
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
lah
only have three rooms in my house.
Who do you think I should choose? I
three roommates on SP's Instagram!
Help me decide by voting for your top
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
other polytechnics. Yi tells SPoofy that he is in for a treat as not only will
today, she
he get to tour the
Nanofab & Integrated Circuit Design Lab
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.

Dover
MRT
CourtsLibrary
Field
Multi
Purpose
AuditoriumFood
Carpark
Olympic-sized pool
Multi-Storey
School of Business
Fin-X facility
As SPoofy waits outside the
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.

Aeronautical Engineering
SPoofy spots Faye waving from behind a
beautiful
A4SU Super Skyhawk fighter plane.
Faye tells SPoofy excitedly that she is so
gets to work on the plane. After Faye brings SPoofy
that is 4,660 sqm, she
Aero Hub
around the entire
Advanced
and shows him the cool
Manufacturing Centre
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.
Are you ready to take your interest to the next level?

Hamzah

Dhanial

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 (DASE) 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.

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

THE SP CHALLENGE

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

WHAT’S THE TEA

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

WHAT WOULD YOU DRINK FROM THE SIX FOOD COURTS (FC)?

SPirit

SPirit

SPirit

OF THE NEXT LEVEL?

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

THE SP CHALLENGE

OUR SP SCHOLARS

WHAT FUELS

CHARLI SOH

Alumna of Tanglin Secondary School

Diploma in Facilities Management

KELLY TAY

Alumna of Kranji Secondary School

Diploma in Mechanical Engineering

ANNA KWA

Alumna 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 & Content Creation) w.e.f April 2021

M HARIHARAN

Alumnus of Punggol Secondary School

Diploma in Computer Engineering

CHENG HUI WEN

Alumna of Fuhua Secondary School

Diploma in Infocomm Security Management

TAN YUQING

Alumna 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

THE BEST OF BOTH WORLDS:

YUAN YANG PENG

Teh peng

SHEENA SEOW

Alumna of Chua Chu Kang Secondary School

Diploma in Integrated Events & Project Management

Get our creative juices flowing

FC1

FC2

FC3

FC4

FC5

FC6

FOR SCHOOLING…

IF IT’S GOOD ENOUGH

FC6

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FC1

FC4

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

WHAT’S THE TEA

NABIL ALI

Alumnus of Tanglin Secondary School

Diploma in Maritime Business

G E T  O UR CREATIVE JUICES FLOW

IN GC

FC2

FC1

FC5

FC6

BUT FIRST, COFFEE

FC6

SPirit

SPirit

SPirit

10

11
Diploma in Biomedical Science (DBS) Graduate
Shaikh Mohamed Mohd Reza Mattar

As a clinical Blood Research Expert in the making: research coordinator at the National Cancer Institute 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 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:

Finance (DBKF) Graduate
Fathul Rahman

As a wealth management than 5 million SGD: operations intern at DBS Private Bank, Fathul six to eight figures, was error-free before they how to use technical software such as Bloomberg Terminal and Avaloq, which will be useful in his future role. Fathul plans to further his studies in Finance and work towards becoming a

WHO:

Diploma in Maritime Design (Motion Design & Effects) w.e.f April 2021
Lumna and Crystel brought into play the use of psychedelic colours in creating their projection for their final year project 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 make this relevant to youths, the main protagonist in their projection story is a persona that faces challenges relatable to youths — stress, the

Turning Data into Insights:
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 SP — knowledge on using Tableau and basic Python programming, she also

Venus hopes to further her studies in information technology to become a better programmer in the future.

WHO:

Building robots to inspect and clean cylindrical air ducts usually installed in ships and oil rigs. These robots move through the air ducts like a pro — going through bends and climbing up pipes, breeze (literally) since the robots push particles out of the duct with compressed air. Operators can inspect the fitted with cameras that provide a live video feed. Their solution:

How do you plan to make the most of SBST's opportunities for personal and professional growth?

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What's cool:
In his final year project, he brought to life his perfect landscape idea by developing a design concept for residents living in Kranji-Marsiling. The farm area for residents to grow their own 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. "The Winged Pod" which is a unique trellis that mimics a falling seed to encourage residents to grow their first garden.

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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.

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

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.

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.

Why DVEMG?

D: 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?

D: 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?

D: 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).

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.

Why DLA?

A: 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?

A: 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?

A: 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.

Senior Landscape Architect (Design), National Parks Board

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

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

Min Min is a minecraft fanatic and can also read Cyrillic.

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

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

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

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

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

Josephine Glasses Fun Hat Off, On! does cosplay and her favourite character to play is Ayano Tateyama.

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

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!
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!

From left to right (Top row): Toh Chin Chye Gold Medallist: Gerwyn 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.

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.

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?

0202 Meet this year’s top graduates!
Our nine institutional Medallists (IMs) pulled through a global pandemic to achieve some serious achievements. Find out who they are here.

0606 Building tomorrow’s landscapes and fantasy worlds
Read about how two of our SP alumni are now living their dreams.

1010 The SP Challenge
Which candidate from Greendale Secondary School will emerge victorious and “earn” the coveted spot in their dream diploma? Read to /uniFB01nd out!

1414 Contest time
Win yourself a $10 coffee gift card!

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FLIP TO MAKE THE RIGHT CHOICE!