At SP, we’re big on growing your potential

YOUR COURSE GUIDE TO

The Right Choice

MATTHIAS + SP
Diploma in Media & Communication

SINGAPORE POLYTECHNIC SP
WHY I CHOSE SP

My eyes were set on SP’s Diploma in Creative Writing for TV & New Media since secondary school. I have always had a strong passion for writing and SP was a natural first choice as it is the only polytechnic in Singapore that offers a specialised writing course.

Life in SP was very vibrant. I was given a lot of opportunities to practice what I love. By exposing myself to different challenges and situations, I was able to hone my writing skills. I went on the JENESYS 2016 Picture Book Programme to Japan, where I wrote a children’s story book together with other participants. Now, the book, my blood and sweat, is displayed at the Singapore National Library! Other experiences include assuming the role of Secretary-General for the S Rajaratnam Endowment-Youth Model ASEAN Conference (SRE-YMAC) where I led a team of 40 in organising the conference and communicated complicated protocols and concepts of issues to delegates. On top of that, I was also given the opportunity to facilitate a discussion forum with Ambassador-at-large, Prof. Chan Heng Chee and Minister of Social and Family Development, Mr Desmond Lee.

English is my forte and I decided to use it to help the less fortunate. I participated in an Overseas Community Involvement Programme to Surabaya, Indonesia, where I painted murals and taught local students English. With the extensive training provided by SP, I was also able to secure a six-month internship stint at The Straits Times, where I took on the role of an editorial intern. One of the highlights of my internship was when my work, a two-page story on global elections, was published.

Looking back, SP has indeed given me a wide range of training and opportunities, all of which has developed me to become the individual I am today. Moving forward, I will be pursuing a degree in an overseas university under the Public Service Commission (PSC) Scholarship.

I am grateful that SP has helped me pursue my passion in this field. What are you waiting for? Join SP and achieve bigger dreams today!

Kirstin Yip Su Jun
Diploma in Creative Writing for TV & New Media (DTVM)
Class of 2018
Recipient of Public Service Commission Scholarship
Toh Chin Chye Gold Medal
Alumna of CHIJ Secondary School (Toa Payoh)
Nothing is more important to us than making sure SP students transform into self-directed, versatile and life-long learners. Over the years, SP has looked into improving the courses offered to our students. There are also more pathways and opportunities open to all learners. Here is a quick summary of the exciting happenings at SP!

**Interesting Courses**

**Common Business Programme (CBP)**
We have developed a one-year CBP for students passionate about business but unsure of the course to specialise in. Once students have identified their interests near the end of year one, they will rank their preference among the 4 full-time SP business courses. For more information, turn to Pg 26 now!

**Common Infocomm Technology Programme (CITP)**
Students passionate about Information Technology (IT) but undecided on which IT course to take, can consider the CITP. The programme will equip students with fundamental IT modules and expose them to the latest IT trends. Once they have identified their strengths and interests near the end of year one, they will choose one of two full-time IT courses. Check out Pg 39 for details.

**Diploma in Information Technology (DIT)**
Students interested in AI & Data Science or Augmented and Virtual Reality should give DIT some serious consideration. With the new Data Science & Digital Analytics Specialisation and Immersive Simulation Technology elective track, DIT is all set to provide students skills highly valued by giants such as Microsoft and Accenture! To find out more, turn to Pg 41.

**Diploma in Facilities Management (DFM)**
Students interested to learn how buildings can be smarter, greener and more cost-efficient should consider the DFM course! Besides learning to manage various properties, students will also graduate with business management skills and two additional certificates in fire safety and risk management, to give them an edge in the job market! The DFM course opens doors to potential employers from the hotels, resorts, airports and commercial sector. Turn to Pg 17 for details.

**CALLISTA • SP**
Diploma in Applied Drama & Psychology
Class of 2019
Tan Kay Yong Gold Medallist
Alumna of St Hilda’s Secondary School
New Admissions Exercises to SP

Accelerated progression for A Level students
A-level graduates interested in SP can apply for course exemptions which would allow them to complete their diploma programmes in 2.5 years, instead of the usual 3 years. This means, when a student secures a place and the exemption, he can start his diploma studies in the second semester in October. Currently, most A-level graduates who apply to enrol in a polytechnic would only enter one year after getting their A-level results in late February or early March.

PFP offered to NA students who achieve 12 points or less
The PFP is a one-year programme specially designed for the top ‘N’ Level (Academic) (NA) cohort. From 2019, NA students with a score of 12 points or less will be eligible for the programme. Previously, the PFP is only available to NA students who scored 11 points or less.

SP education for working adults
From 2020, working adults who are interested to pursue a full-time diploma in SP will be able to do so via the Early Admissions Exercise (EAE). This is in addition to the Direct Admissions Exercise (DAE) which is the current pathway.

Working adults will need to have at least two years of work experience to be considered. They will also be considered based on their suitability for the course, and due consideration will be given to those with relevant work experience.

Think Further with SP

The SUTD-SP Special Programme
The programme is a unique arrangement between the Singapore University of Technology and Design (SUTD) and SP to offer outstanding SP students in selected diploma courses a longitudinal immersion and preparatory programme for their undergraduate studies at SUTD. Highlights include gaining conditional admission to SUTD and getting a head-start on its undergraduate studies. For more information, visit https://sutd.edu.sg/spsa.

Special admission programme to NUS for SP students with entrepreneurial streak
From 2019, National University of Singapore (NUS) will be increasing its intake of polytechnic graduates. Students who demonstrate strong entrepreneurship abilities while in SP will have their chances boosted for admission into NUS. So if you have an aptitude for entrepreneurship, have aspirations to launch a start-up and see yourself pursuing further education in NUS, come join SP!
KNOW WHAT EXCITES YOU AND GO FOR IT!

I believe I was born an engineer! I was constantly curious with how things work. In fact when I was 14, I was obsessed with nuclear fusion and how it could be used as a source of clean energy!

So in Secondary Three, when I was given the opportunity to participate in Singapore Polytechnic (SP)’s Engineering Academy, I jumped at it. Being around like-minded students who were also crazy about engineering, was extremely fulfilling.

Engineering has always excited me. Knowing the importance of surrounding myself with subject experts and mentors, It was only natural that I opted for SP’s Diploma in Electrical & Electronic Engineering after my O levels.

With the support of my lecturers, I earned the SP Engineering scholarship throughout my 3 years in SP. I also secured an internship at DSO National Laboratories in Year 1. During that period, I pursued my interest in nuclear fusion by doing research on radiation shielding! I was honoured to receive the prestigious DSO scholarship which gave me another internship stint at DSO in Year 3!

As a person who loves to solve problems and work with my hands, I could never sit still. Together with two other SP students, we founded MakerFoundryLLP, a start-up that has since sold numerous units of our invention – SPEEEduino microcontroller board – to SP for teaching and learning! Our team also developed an app which allows people to access satellite networks to report their location after a disaster and it won us a prize in a competition organised by Singapore Space and Technology Association and Airbus!

Through SP, I received numerous leadership training programmes. I led the Digital Technology committee under the S Rajaratnam Endowment-Youth Model ASEAN Conference (SRE-YMAC) where I facilitated the Smart Nation discussion, a topic I am passionate about.

The many opportunities I was given the last 3 years have definitely lifted my confidence. I know more now and am one step closer to achieving my dream of contributing to Singapore’s Smart Nation vision.

Don’t be afraid to go for what your heart desires. Dare to dream with SP!

Kang Boon Kiat Julian
Diploma in Electrical & Electronic Engineering
Class of 2019
Recipient of Defence Science and Technology Agency Scholarship
SP Engineering Scholar
Alumnus of Bukit View Secondary School
JAE 2019
– All you need to know

The Joint Admissions Exercise (JAE) is conducted by the Ministry of Education for those who have sat for the Singapore-Cambridge GCE 'O' Level Examination to apply for post-secondary education courses, including diploma courses at Singapore Polytechnic (SP). The JAE registration will commence on the same day as the official announcement of the GCE 'O' Level Examination results.

JAE allows each applicant to make 12 choices. Posting to your choice will depend on merit, i.e. your 'O' Level aggregate score, followed by the ranking of your choices.

JAE Application Procedure
On the day of the release of the GCE 'O' Level results, you will receive from your secondary school the following:
1. GCE 'O' Level Results
2. Form A
3. JAE 2019 Booklet
   • Check out Form A for the list of eligible courses.
   • Refer to this guide for SP diploma course names and entry requirements. Form A only lists out the course codes. All SP courses are prefixed with 'S' followed by a number, for example, S88.
   • Mark out those SP courses that you are really passionate about.
   • Visit SP for course counselling at the SP Convention Centre after you have received your results. Have a chat with course counsellors who will provide valuable advice on what each diploma course is about. Course Counselling is open throughout the JAE application period.
   • When you have decided on your 12 choices, you can make your online application at home or apply online at SP during the JAE if you need further advice.
   • Complete all 12 choices. Don’t waste any of your choices.
   • Verify your 12 choices and click the ‘Submit’ button. After submission, print out the verification slip – this is the proof of your application.

Other Admissions Exercises
Besides JAE, there are other admissions exercises for those applying to join the polytechnics. They are:

• Early Admissions Exercise (EAE) is for final-year secondary school students who have strong passion and aptitude for a polytechnic course they are keen to pursue. If selected, students will be able to secure a place in SP even before sitting for their 'O' level exams! The application opens and closes in late June.

• Early Admissions Exercise – ITE or EAE (I) is for ITE Higher Nitec holders and Nitec holders who have not previously enrolled in a polytechnic. Similar to EAE, EAE (I) focuses on students with strong passion and aptitude for a polytechnic course they are keen to pursue. EAE (I) applications take place in June.

• Joint Polytechnic Admissions Exercise (JPAE) is for holders of ITE Higher Nitec and Nitec, including final-year ITE students.

• The Direct Admissions Exercise (DAE) is for students who hold a GCE 'A' Levels certificate, international qualifications, and ex-polytechnic students. Applicants interested in applying for the Diploma in Nautical Studies should apply under the DAE, in addition to submitting their JAE application for their other eligible courses.

The DAE application period is the same as the JAE application period.

More details on the various admissions exercises are available at www.sp.edu.sg
SP Admissions Hotline: 6775–1133 | Admissions Email: contactus@sp.edu.sg
JAE 2019
– How to make the right choice

Admission to polytechnic courses is based on meeting the Minimum Entry Requirements (MER), the ELR2B2 and the available vacanacies. The ELR2B2 aggregate score refers to the GCE 'O' Level results for English Language, two relevant subjects and your best two other subjects.

CCA Points
CCA points can be counted as bonus points only after computing the ELR2B2 aggregate score. An 'A1-A2, Excellent' Grade CCA will get you 2 bonus points and 'B3 – C6, Good' Grades will get 1 bonus point. For example, if your ELR2B2 aggregate score is 10 points and your CCA grade is 'Excellent', your net ELR2B2 aggregate score becomes 8 points.

Making Your Choice
You will be given 12 choices. It is very important to have passion for the choices that you are going to make instead of following where your friends are going and ending with the wrong choice. Complete all 12 choices, don’t waste any of them.

ELR2B2
Each SP diploma course has an ELR2B2 score. Remember to use this as a guide only. You should still apply for your favourite SP diploma course if your aggregate ELR2B2 score is close to the 2018 JAE ELR2B2.

The JAE Form A
You will receive the JAE Form A and the JAE Booklet from your secondary school after the GCE 'O' level results are released. The Form A will indicate the SP diploma courses that you can apply for.
Eric places his first choice as SP’s Diploma in Biotechnology (DBT) and the JAE ELR2B2 for this course in the previous year was 9. Even though his aggregate score is 1 point outside of the JAE ELR2B2, he still puts DBT as his first choice as he is very interested in it.

All applicants have a ranking in the JAE system. When it is Eric’s turn to be posted to a course, and the system checks that there are places available (in the order of his choices), he will then be assigned a place. So if he did not try, he could have wasted an opportunity to get his dream course because the published JAE ELR2B2 is for the previous year’s Joint Admissions Exercise (JAE).

The aggregate score of the last applicant posted into a course in that year will determine the JAE ELR2B2 of that particular year.

**Making optimal use of the 12 choices**

For example, if there is one last place in the Diploma in Applied Chemistry, Eric’s aggregate score of 10 would give him priority over another applicant with an aggregate score of 11 who puts this course as his first choice, even though Eric selected the course as his third choice. Selection is based on merit first rather than choice order.

- Students should use the previous year’s JAE ELR2B2 as a guide
- Students should include a course that they stand a good chance of getting into
- Students should not rule out a course even if their ELR2B2 aggregate score is outside of the previous year’s JAE ELR2B2
- Students should use their 12 choices wisely and realistically
- Students should rank their choices – course/institution

Eric has an aggregate score of 10 points for his ELR2B2. He is interested in doing a science diploma in SP. Here are his top six choices.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Diploma Course</th>
<th>ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Choice</td>
<td>SP-Biomedical Science</td>
<td>7</td>
</tr>
<tr>
<td>2nd Choice</td>
<td>SP-Applied Chemistry</td>
<td>10</td>
</tr>
<tr>
<td>3rd Choice</td>
<td>SP-Food Science &amp; Technology</td>
<td>12</td>
</tr>
<tr>
<td>4th Choice</td>
<td>SP-Optometry</td>
<td>12</td>
</tr>
<tr>
<td>5th Choice</td>
<td>SP-Perfumery &amp; Cosmetic Science</td>
<td>12</td>
</tr>
<tr>
<td>6th Choice</td>
<td>SP-Chemical Engineering</td>
<td>13</td>
</tr>
</tbody>
</table>

Remember, the JAE ELR2B2 is only a guide as it depends on the performance of each cohort.
What is the basis of selection in the Joint Admissions Exercise (JAE)?

Selection is first based on merit (which means the ELR2B2 aggregate score) and then according to the line-up of choices as listed in the JAE submission. Students who have better aggregates scores will have a better ranking, and therefore a better chance of getting their first choice course.

For example, if you have an ELR2B2 aggregate score of 7 and puts down SP’s Diploma in Biomedical Science course as your third choice, which has a JAE ELR2B2 of 8, you stand a better chance than your classmate who has 8 points but puts it as his first choice.

Will the order of choices as listed determine whether a student gets into a particular course?

The way you list down your 12 choices indicates your preference. Depending on your aggregate score (and hence, ranking, in order of applicants), you will then be considered for each course, one by one, as listed in your order of preference. This means you will be first considered for the first choice, failing which it will be your second choice and so on.

If I list a particular course, for example the Diploma in Biotechnology as my third choice, but another applicant lists the same course as his/her first choice, will this applicant then take precedence over my entry to this course, despite having a worse aggregate score than me?

No. You will still have precedence if your ELR2B2 aggregate score is better than the other applicant. Therefore, if you are unsuccessful for entry to your first and second course choices, you will be posted to the Diploma in Biotechnology as it was placed as your third choice (subject to vacancies).

If I did not take ‘X’ subject in the ‘O’ Levels, which is relevant to the course that I am applying for, will my chances of getting into this particular course be lower than those applicants who have taken this subject?

As long as you meet the Minimum Entry Requirements (MER), it makes no difference which third subject was taken during the examinations.

What is the JAE ELR2B2 of a course?

This refers to the aggregate score of the applicant who fills the last vacancy of that particular course. For example, if the last applicant posted to a course in 2018 has an ELR2B2 aggregate score of 10, this will be the JAE ELR2B2 for the course. This means that the applicants posted to the course before this last applicant will have scores that are the same or better than him.

What is the likely JAE ELR2B2 for a particular course for this intake?

Each year’s JAE ELR2B2 depends on the number and quality of students applying for each course and the corresponding number of course vacancies.

What are the chances of getting into a particular course, if my aggregate score is higher than the previous year’s JAE ELR2B2 for the course?

We are unable to advise on your chances of getting into the course of your choice. Even if your aggregate score does not meet last year’s JAE ELR2B2, you should still list the course that you are interested in as your first choice. You never know what this year’s JAE ELR2B2 will be! However, it is advisable to include some courses that you stand a good chance of getting into.

Can I use combined results?

Yes, you may combine your GCE ‘O’ Level results of any two years.

Is it possible for me to change courses after studying in SP for a few months?

You cannot change courses once the semester has started. We advise applicants to consider a course transfer before the semester starts. Please note that applications for course transfer are based on merit and subject to available vacancies.

How many examinations are there in a year?

There are two semesters in a year and there will be an examination at the end of each semester. There are also regular in-course assessments as well as projects. For some courses, the students are assessed on projects instead of examinations.

How does SP’s modular system help me in my studies?

Subjects are offered as modules. Upon completion of the module in one semester, you will take an examination on the module. A key benefit of SP’s modular system is that a student only needs to repeat a failed module instead of all subjects. This can be done the following semester instead of waiting for one year. This system allows flexibility, and helps students pace their learning.

How are excellent students recognised in SP?

Students who perform well are recognised on the Director’s Honour Roll. There are also prizes and awards given to top students every year, either by SP or by external companies and organisations.
The ELR2B2 refers to the aggregate score of English Language, two relevant subjects and two other best subjects. This table shows the 2019 JAE ELR2B2 for SP courses.

<table>
<thead>
<tr>
<th>SP DIPLOMA COURSE</th>
<th>COURSE CODE</th>
<th>2019 JAE ELR2B2</th>
<th>PAGE</th>
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<tbody>
<tr>
<td>Accountancy (DAC)</td>
<td>S75</td>
<td>12</td>
<td>23</td>
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<td>Aeronautical Engineering (DARE)</td>
<td>S88</td>
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<td>Aerospace Electronics (DASE)</td>
<td>S90</td>
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<td>Applied Chemistry (DAPC)</td>
<td>S64</td>
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<td>Applied Drama &amp; Psychology (DADP)</td>
<td>S43</td>
<td>11</td>
<td>43</td>
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<td>Architecture (DARCH)</td>
<td>S66</td>
<td>12</td>
<td>15</td>
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<td>Banking &amp; Finance (DBKF)</td>
<td>S76</td>
<td>10</td>
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<td>Biomedical Science (DBS)</td>
<td>S98</td>
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<td>S70</td>
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<tr>
<td>Civil Engineering with Business (DCEB)</td>
<td>S68</td>
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<td>16</td>
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<tr>
<td>Common Business Programme (CBP) <strong>New!</strong></td>
<td>S31</td>
<td>13</td>
<td>26</td>
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<tr>
<td>Common Infocomm Technology Programme (CITP) <strong>New!</strong></td>
<td>S32</td>
<td>15</td>
<td>39</td>
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<tr>
<td>Common Engineering Programme (CEP)</td>
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<td>Computer Engineering (DCPE)</td>
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<td>Creative Writing for Television &amp; New Media (DTVM)</td>
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<td>Digital Animation (DDA)</td>
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<td>Electrical &amp; Electronic Engineering (DEEE)</td>
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<td>Engineering with Business (DEB)</td>
<td>S42</td>
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<td>58</td>
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<tr>
<td>Experience &amp; Communication Design (DXCD) <strong>New!</strong></td>
<td>S93</td>
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<td>Facilities Management (DFM)</td>
<td>S95</td>
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<td>Food Science &amp; Technology (DFST)</td>
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<td>Game Design &amp; Development (DGDD)</td>
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<td>Human Resource Management with Psychology (DHRMP)</td>
<td>S48</td>
<td>11</td>
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<td>Infocomm Security Management (DISM)</td>
<td>S54</td>
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<td>Information Technology (DIT)</td>
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<td>Integrated Events &amp; Project Management (DEPM)</td>
<td>S50</td>
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<td>Interior Design (DID)</td>
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<td>S94</td>
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<td>Marine Engineering (DMR)</td>
<td>S63</td>
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<td>Maritime Business (DMB)</td>
<td>S74</td>
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<td>Mechanical Engineering (DME)</td>
<td>S91</td>
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<td>S73</td>
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<td>Media &amp; Communication (DMC)</td>
<td>S86</td>
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<tr>
<td>Music &amp; Audio Technology (DMAT)</td>
<td>S97</td>
<td>10</td>
<td>49</td>
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<tr>
<td>Nautical Studies (DNS)*</td>
<td>DNS</td>
<td>Offered under DAE</td>
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<td>Optometry (DOPT)</td>
<td>S67</td>
<td>12</td>
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<td>Perfumery &amp; Cosmetic Science (DPCS)</td>
<td>S38</td>
<td>12</td>
<td>36</td>
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<tr>
<td>Visual Effects &amp; Motion Graphics (DVEMG)</td>
<td>S39</td>
<td>10</td>
<td>50</td>
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</table>

*Offered under the Direct Admission Exercise
Academic Calendar for AY 2019/2020

Orientation Week (for first-year students only) 8 Apr – 12 Apr 2019 1 week

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>15 Apr – 31 May 2019</th>
<th>7 weeks</th>
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<tbody>
<tr>
<td>Term 1</td>
<td>27 May – 31 May 2019</td>
<td>1 week</td>
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<tr>
<td>(Mid-Semester Test)</td>
<td>1 Jun – 23 Jun 2019</td>
<td>3 weeks</td>
</tr>
<tr>
<td>Vacation</td>
<td>24 Jun – 16 Aug 2019</td>
<td>8 weeks</td>
</tr>
<tr>
<td>Term 2</td>
<td>19 Aug – 30 Aug 2019</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Exam Week</td>
<td>31 Aug – 13 Oct 2019</td>
<td>6 weeks</td>
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</table>

<table>
<thead>
<tr>
<th>Semester 2</th>
<th>14 Oct – 6 Dec 2019</th>
<th>8 weeks</th>
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</thead>
<tbody>
<tr>
<td>Term 3</td>
<td>2 Dec – 6 Dec 2019</td>
<td>1 week</td>
</tr>
<tr>
<td>(Mid-Semester Test)</td>
<td>7 Dec – 5 Jan 2020</td>
<td>4 weeks</td>
</tr>
<tr>
<td>Vacation</td>
<td>6 Jan – 21 Feb 2020</td>
<td>7 weeks</td>
</tr>
<tr>
<td>Term 4</td>
<td>24 Feb – 6 Mar 2020</td>
<td>2 weeks</td>
</tr>
<tr>
<td>Exam Week</td>
<td>7 Mar – 19 Apr 2020</td>
<td>6 weeks</td>
</tr>
</tbody>
</table>

In order to graduate with a diploma, all students are required to pass all modules in their three years here, which includes their respective course requirements for electives.

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

Tuition Fees

<table>
<thead>
<tr>
<th>Tuition Fees (inclusive of GST) per Year for Full Time Diploma Students*</th>
<th>$2,900.00</th>
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<tr>
<td>Singapore Citizen</td>
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<tr>
<td>Singapore Permanent Resident</td>
<td>$10,400.00</td>
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Financial assistance such as bursaries and loans are available to full-time students. Students can visit the webpage www.sp.edu.sg/financialassistance or call 6775 1133 for more information. No student will be denied an SP education because of financial difficulties.

*Tuition fees payable for Academic Year 2019/2020, for a full-time diploma student who is eligible and opted for the Tuition Grant scheme.
SP Outstanding Talent (SPOT) Programme

The Singapore Polytechnic Outstanding Talent (SPOT) programme is designed for top SP students to develop their talent and help them realise their dreams and aspirations to become tomorrow's Leaders, Humanitarians, Communicators and Scholars.

Under this programme, you will receive an all-rounded education as you gain insight into diverse areas that go beyond the scope and focus of your diploma. You will receive opportunities to attend modules, workshops and camps as you hone a myriad of skill sets pertinent to meeting the demands of evolving industries. These workshops cover public speaking and networking skills, basic mediation skills for the workplace and even scholarship interview skills. On top of that, there will be opportunities to take part in high-level dialogues and talks by prominent Singapore government figures and other foreign dignitaries - SPOTties (as you will be affectionately known) who ride on these opportunities will gain much from the close interaction with these government figures and dignitaries often afforded to them at these sessions.

With excellent results, you may be selected for the SPOT programme where you will be nurtured into a future leader through specially tailored activities that include overseas exposure. You have a chance to be moulded into Leaders, Humanitarians, Communicators and Scholars.

Experience growth in four key areas:

As A Leader
- Learn effective strategies of self and team leadership in a unique overseas leadership camp
- Plan and lead the execution of Student-led initiatives (SLIs) that serve the larger community
- Listen to and be inspired by SPOT alumni and leaders from all walks of life
- Co-organise high-profile SPOT events at the school and national level

As A Communicator
- Fine-tune your speaking, writing and networking skills
- Apply to represent SP in prestigious local and overseas conferences and seminars

As A Humanitarian
- Develop deeper understanding of service learning and social enterprise in customised workshops
- Serve in local and overseas community service projects for causes you are passionate about
- Use design thinking skills to practice social innovation for communities in need

As A Scholar
- Learn what it takes to create an impressive, well-rounded portfolio
- Prepare yourself for university and scholarship interviews
- Network with past scholars and illustrious SPOT alumni
- At the end of your SPOT journey, develop a unique portfolio of your SPOT achievements and experiences that will set you apart
Scholarships

At SP, we have scholarships and awards to recognise students with excellent academic results, leadership qualities and diverse talents.

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

Scholarship Benefits
- Bond-free scholarship of $3000, tenable for the academic year awarded
- Scholarship is renewable every year, subject to excellent academic results, strong CCA records and good conduct
- Participation in the SPOT (Singapore Polytechnic Outstanding Talent) Programme
- Subsidies for enrichment programmes

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

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

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

For more information, please visit www.sp.edu.sg/scholarships
Financial Assistance @ SP

Your role as an SP student is to study hard and enjoy the SP experience through participation in CCAs or other programmes. Don’t be troubled over payment of school fees and schooling expenses. There are various forms of financial assistance schemes that you can apply for. These include the following:

Schemes to help pay tuition fees:

- **Mendaki Tertiary Tuition Fee Subsidy**
  This Scheme, funded by the Singapore Government and managed by MENDAKI, aims to support and help Malay students complete their tertiary education.

- **CPF-Approved Education Scheme**
  Students may apply for a loan from your own or your parent’s CPF savings to pay the tuition fees. Deadline is at the beginning of each semester.

- **Tuition Fee Loan**
  SP offers a government-funded interest-free education loan to Singaporeans, Permanent Residents and foreign students studying in SP. Under this scheme, students can take up a loan of up to 75% of the tuition fees payable. Students can go to any DBS bank with a guarantor to apply for this loan scheme.

- **Post-Secondary Education Account (PSEA)**
  Funds left in Edusave accounts are transferred to PSEA when the student is 16 years old or when he/she leaves Secondary School/Junior College. This fund can be used to pay the fees in SP.

Schemes to help pay tuition fees or living expenses:

- **SP Donors-Sponsored Scholarship/ Bursary**
  Each year, hundreds of scholarships and bursaries are given out through this scheme funded by donations from organisations and individuals. Selections are based on donors’ criteria (which may include nationality, course, academic performance, financial circumstances, etc).
  Award: $1,000–$4,500 per year

- **CDC/CCC-Polytechnic Bursary**
  A government-funded bursary for Singaporean students.
  Award: up to $2,350

- **MOE Bursary**
  A government-funded bursary for Singaporean students.
  Award: Up to $1,650

- **Notebook PC Financial Assistance Schemes**
  Receive a reimbursement of up to $800 for your purchase of a notebook PC by applying for the Notebook Subsidy. For highly subsidised PC and/or Broadband, students may apply for the Infocomm Development Authority of Singapore (IDA) PC-Bundle Scheme.

- **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.

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/financialassistance.
At the School of Architecture & the Built Environment (ABE), you can transform spaces. You 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 a sustainable environment. 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 our students with a global mindset.

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

For more information regarding entry requirements, courses and careers, please contact:
School of Architecture & the Built Environment Tel: (65) 6775-1133 Email: contactus@sp.edu.sg Website: www.sp.edu.sg/abe
ARCHITECTURE DARCH - S66

Are you passionate about architecture? Have you found yourself stopping to admire and guess how skyscrapers, museums and bungalows were 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 DARCH, Singapore’s first full-fledged architecture diploma.

At DARCH, we believe that anyone and everyone can be trained in architecture. Anyone who enters the course will be equipped with essential skill sets to one day fully realise your ambition of contributing to the architectural and design industries. The unique pedagogy in place will aid in your holistic development into an adaptable, open-minded and motivated individual as well as a 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.

CAREER OPTIONS

You could:
• Be an Architectural Assistant to support in design, development, documentation and presentation; or
• Be an Architectural Technologist to assist in technical aspects supporting micro design and detailing; or
• Be an Architectural Coordinator on building sites; or
• Specialise in niche architectural areas such as BIM, computational parametric design, sustainability or graphic visualization, leading to opportunities for you to participate in:
  - projects with real-life clients (which include MNCs and government agencies)
  - workshops with visiting professors from top architectural local and overseas universities
  - local and international competitions
• Overseas study trips

SCHOLARSHIPS AVAILABLE

• BCA-Industry Scholarship/Sponsorship
• Kumpulan Scholarship
• LOOK Architects Design Award
• URA Award

FUTURE STUDIES

Our students have received scholarships from organisations like Urban Redevelopment Authority and Far East Organization 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.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 12
Aggregate Type: ELR2B2-D

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

Choy Rui Zhi
DARCH Gold Medalist, Class of 2018, who will be pursuing a Degree in Architecture in National University of Singapore (NUS) under the NUS Merit Scholarship, after National Service

“One of the highlights of my SP journey was the overseas immersion trip to Australia for a Master Class programme. I lived for a week in a lodge in Pittwater and it gave me so many fresh perspectives to Architecture! I got to learn from tutors of a different cultural and climatic background and discovered ideas I never dared to explore before. It was a really an eye-opener.”
CIVIL ENGINEERING WITH BUSINESS DCEB – S68

The Diploma in Civil Engineering with Business (DCEB) 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 is within the context of a business environment since a successful technologist or engineer should also possess good business sense. Our graduates build the world, literally speaking. They support civil engineers in the analysis, design, construction, upgrading and maintenance of all forms of infrastructure for better quality of life and sustainable economy.

COURSE HIGHLIGHTS
• Conceive-Design-Implement-Operate (CDIO) framework that prepares you to be life-ready, work-ready and world-ready
• Take part in competitions, seminars, overseas community service projects, study trips and humanitarian missions
• With both technical skills and strong business fundamentals, you will have a competitive edge

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 21
Aggregate Type: ELR2B2–C

Subject Grade
a) English Language 1 - 7
b) Mathematics (Elementary / Additional) 1 - 6
c) One of the following 3rd relevant subjects:
   - Biology
   - Biotechnology
   - Chemistry
   - Computing / Computer Studies
   - Design & Technology
   - Electronics / Fundamentals of Electronics
   - Physics
   - Science (Chemistry, Biology)
   - Science (Physics, Biology)
   - Science (Physics, Chemistry)

SCHOLARSHIPS AVAILABLE
• SP Engineering Scholarship
• Yongnam Bursary
• Singapore Structural Steel Society Scholarship
• BCA – Industry Scholarship / Sponsorship
• Yogarajah Scholarship and Bursary Fund
• Sarojini Devi Award
• American Concrete Institute – Singapore Chapter Scholarship

CAREER OPTIONS
• Technical Executive
• Assistant Engineer
• Assistant Project Manager
• Site Supervisor
• BIM Specialist
• Building Construction Safety Supervisor
• Resident Technical Officer
• Marketing Sales Executive
• CAD Engineer

FURTHER STUDIES
With your SP diploma, you can gain direct entry into the second year of civil engineering degree courses at the Nanyang Technological University or National University of Singapore as well as a Civil Engineering degree at Singapore Institute of Technology (SIT). Or you can pursue a degree in Building & Project Management at the Singapore University of Social Sciences (SUSS) or a related degree in two years from Australian and British universities.

“SP’s learning environment was very encouraging. My classmates, lecturers and technical support officers would always go the extra mile for us. It was a wonderful environment to pursue my passion. Also, my internship stint at Ang & Ong Consultants Pte Ltd changed my mindset about Civil Engineering when I got to experience real-life problems that had to be solved immediately. I was once again reminded of the importance of Civil Engineering and now I am passionate than ever!”

Michele Lee Jia Qi
DCEB Gold Medallist, Class of 2018
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 its intended purpose. The demand for facilities management services has grown exponentially, with the growing demand for building and infrastructure development and increased emphasis for cost-efficient and greener buildings. This course prepares you for an exciting facilities management career with property developers and owners, service providers, government agencies and statutory boards.

Besides the diploma, you will also be awarded with additional certificates upon graduation:
- Fire Safety Manager
- bizSAFE Level 2 (Risk Management)

COURSE HIGHLIGHTS
Authentic learning through:
- Out-of-classroom projects and site visits
- 22-week Enhanced Internship Programme with reputable organisations
- Industry-linked projects
- Study trips

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 16
Aggregate Type: ELR2B2-C

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SCHOLARSHIPS AVAILABLE
- BCA-Industry Scholarship / Sponsorship
- SP Scholarship

CAREER OPTIONS
- Property Executive
- Facilities Executive
- Managing Agent
- Building Executive
- Project Coordinator
- Contracts / Procurement Executive

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.

“I have set my mind on a polytechnic education since secondary school. I wanted to learn from projects and hands-on activities and SP was perfect for this! The lecturers shared a lot about their experience in the industry and often advised on the various careers we can take. My course has equipped me with both hard and soft skills that will be useful for my endeavors after SP.”

Siow Chin Yee
DHLFM (now known as DFM) Gold Medallist, Class of 2018

FACILITIES MANAGEMENT DFM - S95

* 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)
INTERIOR DESIGN DID – S89

If you are passionate about the design of space, transforming the experience of everyday living and have a curious mind to experiment with materials – 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 focuses on spatial experimentation with materials, lighting and colour. You will also be trained in design methods and processes to develop exciting ideas to create meaningful interior space, as well as the means to communicate them.

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

**COURSE HIGHLIGHTS**

- Develop strong research grounding with an emphasis on experimentation to push the boundaries of your design ideas.
- Gain broad exposure to design trends by participating in workshops conducted by local and international designers.
- Take part in regional study trips, international competitions and industry projects gaining valuable experience.
- Participate in globally situated studio programmes with overseas design institutions.

"The best thing that I got out of my diploma were the endless opportunities. My three month internship stint with designphase dba convinced me to always stay true to my personal colour and to translate this into my designs. Along the way, I got to know of someone who suffered depression due to stress and this inspired me to create designs to benefit the mentally challenged. With the knowledge learnt in class plus the experience I have garnered from internship, I am sure that designing is the path for me!"

Ye Xiaoxuan
DID Gold Medallist, Class of 2018, who is now pursuing an Industrial Design degree at NUS

**CAREER OPTIONS**

- Design Executive (Sales)
- Exhibition Designer
- Interior Designer
- Perspective Artist
- Spatial Planner
- Stage-set Designer
- Visual Merchandiser
- Walk-through Animator

**FURTHER STUDIES**

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

**ENTRY REQUIREMENTS**

2019 JAE ELR2B2: 11
Aggregate Type: ELR2B2-D

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- Higher Art
- Media Studies (Chinese / English)
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- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)
It’s never a dull day in the life of an event or project manager. The Diploma in Integrated Events & Project Management (DEPM) course trains you to be a professional in the rapidly growing events industry which grossed more than $3 billion in revenue in recent years. You are given authentic experiences through opportunities to conceptualise, plan and execute live events with our various industry partners.

COURSE HIGHLIGHTS
- Authentic learning through planning and managing:
  - School events
  - Industry-linked projects such as MICE Forum 2018, National Achievers Congress 2018, SAFRA Punggol Trails of The Forbidden Forest, Singapore International Water Week 2018 & Standard Chartered Singapore Marathon 2018
  - 22-week Enhanced Internship Programme with overseas exposure opportunities
  - Site visits and overseas trips

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 13
Aggregate Type: ELR2B2-C

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Scholarships Available
- BCA-Industry Scholarship / Sponsorship
- SP Scholarship

Career Options
- Event Manager / Executive
- Operations / Project Manager / Executive
- Client Experience Manager / Executive
- Event Marketing & Sales Manager / Executive
- Conference Manager / Executive
- Exhibition Manager / Executive
- Sponsorship Sales Manager / Executive

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.

Jadie Tang Fang Jie
DEPM Gold Medallist and Cityneon Events Gold Medallist, Class of 2018

“DEPM was an enriching experience for me. It gave me a deep understanding of the industry and confidence to work with real clients both inside and outside of SP. The school also strives to equip students with useful exposure by sending us to overseas competitions like the MICE Destination Marketing Contest. Now, I can confidently say that I can manage an event by myself.”

DEPM - S50
INTEGRATED EVENTS & PROJECT MANAGEMENT

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LANDSCAPE ARCHITECTURE  DLA – S94

Landscape architects design and enhance our environment and surrounding spaces with fresh perspectives. It’s a design discipline that is concerned with the quality of our surrounding environment and spaces.

The Diploma in Landscape Architecture (DLA) course prepares you to become a landscape designer who will be able to assist in transforming our world into a conducive, interactive, educational and experiential place. It involves the study of existing social, ecological, and geological conditions and processes in the environment, and the responses needed to achieve the desired landscape (indoor/outdoor) space design.

COURSE HIGHLIGHTS
- Dynamic, project-based learning that develops investigative, analytical and open-minded thinking skills for application to landscape design
- Personalised consultations with tutors in design studios
- Three-month structured/enhanced internship programme with private companies and key players like National Parks Board
- Collaborative learning approach which allows you to learn about other disciplines such as water technology and architecture
- Exploring the use of Plant Palette as materials for Spatial Design Proposal
- Simulation of Real Landscape Firm Operation/Processes – Client > Research > Design Proposal > Presentation > Documentation
- Case studies & site visits as part of outdoor activities

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 16
Aggregate Type: ELR2B2–D

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- Food & Nutrition
- Higher Art
- Media Studies (Chinese / English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

SCHOLARSHIPS AVAILABLE
- Singapore Garden Society Scholarship/ Sponsorship
- BCA-Industry Scholarship/ Sponsorship
- School of Architecture & the Built Environment Scholarship

FURTHER STUDIES
You can gain direct entry into first or second year of landscape or architectural degree courses at local and overseas universities.

“"I love the teaching approach and curriculum of DLA. It has trained me in both technical and design skills, which is in line with the industry’s needs. Modules such as the Design Studio has given me new perspectives to landscape architecture and the personalized consultation has proved to be very effective in improving my work. With DLA, I am sure that I have many opportunities ahead of me!”

Owen Gan Ze Min
DLA Gold Medallist, Class of 2018
In the School of Architecture & the Built Environment, students are trained to incorporate design with technology, allowing them to turn creative ideas into reality. Students get to learn beyond their classroom through overseas study trips, internships, competitions and community service trips! This gives them a holistic view of the world and opportunities to bring bold ideas to the table.
Shaping a bigger economy

You can venture and find your success in the School of Business. You get to learn in unique facilities such as the UOB Kay Hian-SP Dealing Centre, and go on overseas study trips and internships to expand your global outlook.

The varied courses allow you to choose a path that suits your interests and aspirations. Many courses are also recognised by professional bodies, including the Diploma in Accountancy which is accredited by the Institute of Chartered Accountants in England and Wales, and the Diploma in Human Resource Management with Psychology which is recognised by the Singapore Human Resources Institute and the Institute for Human Resource Professionals.

Why SB?
School of Business provides you with:
- Firm foundation in business competencies
- Immersion in the world of Business
- Right attributes to succeed
- Selection of choice courses
- Track record and reputation built up by our successful graduates
ACCOUNTANCY DAC - S75

If you have set your heart and mind on a career that involves public or corporate accounting, consulting or financial services, choosing the Diploma in Accountancy (DAC) will pave the way to your success! No business can thrive without a team of competent accounting and finance professionals. Pursuing SP’s DAC is the first step you can take towards becoming an accounting professional or a Chartered Accountant (CA). Furthermore, with the government’s commitment to promote Singapore as a financial hub, accounting and finance professionals are in high demand to keep up with our country’s growing economy. SP’s DAC equips you with strong technical skills coupled with critical thinking skills, IT and business analytics skills and strong ethical values, which are essential for you to excel in this VUCA world.

EXPERIENCE AN EXCITING LEARNING JOURNEY

Our unique and interactive pedagogies through simulated cases, flipped classroom and team-based learning allow you to acquire key technical skills and essential soft-skills such as communication, teamwork, problem-solving and life-long learning skills. You will also have the flexibility to choose from various electives to further broaden and deepen your knowledge and skills.

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

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

ENJOY STRONG INDUSTRY SUPPORT

Building on DAC’s strong industry connections, you will get to embark on a 22-week internship in the final year with reputable local and overseas organisations. Our esteemed industry partners include the “Big Four” international accounting firms such as Deloitte, EY, KPMG and PwC, as well as mid-tier accounting firms such as BDO, Foo Kon Tan and Mazars.

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

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

Prestigious DAC scholarships from supportive industry partners such as the Deloitte-ICAEW scholarship, ACCA and ISCA scholarships are also offered to students with academic excellence, CCA achievements and exemplary conduct.

CAREER OPTIONS

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

FURTHER STUDIES

You may be granted up to one and a half years exemption from a typical three-year related degree course by overseas universities. You will also receive generous exemptions from the professional accountancy bodies such as ACCA, CIMA and ICAEW, should you wish to further your studies with them. Should you choose to start working after your diploma, you may wish to pursue the part-time Specialist Diploma in Professional Accounting or Specialist Diploma in Management Accounting and Analytics offered by SP to deepen your knowledge and prepare yourself for higher appointments in professional accounting. 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

2019 JAE ELR2B2: 12
Aggregate Type: ELR2B2-B

Subject                  Grade
---                      ---
a)  English Language     1-6
b)  Mathematics          1-6
    (Elementary / Additional) 1-6
c)  Any three other subjects 1-6

NOTE: To be eligible for admission, you must also have sat for one of the following subjects:
- Art / Art & Design
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Geography / 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 / English)
- Music
- Principles of Accounts
CAREER OPTIONS
DBKF graduates can attain fulfilling careers areas such as:
- Credit and Marketing
- Fund Management
- Operations
- Private Banking
- Regulatory Compliance and Operations
- Research
- Retail and Corporate Banking
- Risk and Compliance
- Sales and Marketing
- Trade Finance
- Treasury / Investment
- Wealth Advisory / Financial Planning

If you have the 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 gives you a head start in being a responsible and insightful wealth creator.

EXPERIENTIAL “HANDS ON LEARNING” JOURNEY
The programme will develop you to be future finance professionals with the mastery of both theory and skillsets that are needed to navigate the evolving world of finance.

“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, future skills such as Financial Technology (FinTech) and Data Analytics are embedded in the programme.

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 MAS (Monetary Authority of Singapore), HSBC, OCBC, DBS and other leading organisations, or with Fintech companies to experience their entrepreneurial journey in Finance and Technology. Beyond the classroom, you would have opportunities to work on industry/data analytic projects, excel in competitions, network at seminars and job shadow in financial institutions. You would also be able to go on learning journeys and volunteer for overseas social innovation projects that allow you to have an impact on the wider world.

ROBUST CURRICULUM WITH INDUSTRY SUPPORT
The three-years full-time DBKF programme, designed in consultation with the banking and finance industry, builds upon three pillars crucial to the finance industry – namely, (1) Corporate and Wealth Advisory, (2) Risk and Compliance, and (3) Financial Management.

The DBKF course is guided by 3 main pillars:
1) Corporate and Wealth Advisory
   Solid knowledge of financial products and risks to provide customer-centric solutions.
2) Risk and Compliance
   Equipped with crucial knowledge of regulatory compliance and risk monitoring to ensure sound financial business practices and sustainable business models.
3) Financial Management
   Equipped with skills in financial management, encompassing but not limited to interpreting financial statements, analysing financial ratios, budgeting, managing working capital, preparing financial projections, and implementing basic hedging strategies.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 10
Aggregate Type: ELR2B2-B

<table>
<thead>
<tr>
<th>Subject</th>
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- Business Studies
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2019 JAE ELR2B2: 10
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- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese / English)
- Music
- Principles of Accounts
BUSINESS ADMINISTRATION DBA - S71

Set yourself up for a challenging career in business! Step into the world of business, ready and able to contribute! Sharpen your mind to deal with tough situations and find the best way forward! The Diploma in Business Administration (DBA) is designed to prepare you for an exciting career by providing you with the essential knowledge, skills and insights that will enable you to effectively deal with the complexities of today’s global business environment. DBA develops thoughtful leaders, entrepreneurs and industry captains who create value for their organisations and their communities.

EXPERIENCE AN EXCITING LEARNING JOURNEY
We bring you beyond textbooks and classrooms to broaden your learning experiences! We provide innovative venues and platforms for you to learn, such as the SP Innomall.

In your first year, you will build a strong foundation in business studies taught through engaging pedagogies such as design thinking and case-based analysis. At the end of your first year, you will have the freedom to choose from three Options, each dealing with a broad base of industries. In your second year, you will deepen your skills and expertise in your chosen area whilst enhancing your business fundamentals and developing sought-after skills in business analytics, financial analysis and management, business operations and design thinking. Your third year is when you thrive. You will work on applied industry projects and embark on exciting internships with our industry partners who are passionate about grooming new talent.

ENJOY STRONG INDUSTRY SUPPORT
We have partnered with a select group of industry partners and alliances to enable you to be work ready! Our DBA students have worked with our esteemed industry partners such as The Mentholatum Company, NETS Singapore, Mandom Corporation (Gatsby), Mott’s Snapple International, Watsons Singapore, Hay Dairies and many more in projects. These projects in their curriculum will help students in applying knowledge and learning to real-life business projects. Furthermore, field trips and seminars with industry experts will provide professional insights on industry trends and developments.

CAREER OPTIONS
Many career opportunities await you! With the advantage of a broad-based curriculum, DBA prepares you for exciting careers in business which may stretch across any sector or industry. Jobs directly related to your diploma include:
- Business Development
- Marketing
- Operations Management
- Logistics and Supply Chain Management

FURTHER STUDIES
You can apply for further studies with local or foreign universities. Enjoy generous advanced standing with foreign universities where you can enroll in the second year of various degree programmes. Many of our DBA graduates have clinched scholarships to pursue business-related degrees in local and foreign universities.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 12
Aggregate Type: ELR2B2-B

<table>
<thead>
<tr>
<th>Subject</th>
<th>Grade</th>
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<tbody>
<tr>
<td>a) English Language</td>
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<td>b) Mathematics</td>
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<tr>
<td>Mathematics (Elementary / Additional)</td>
<td>1 - 6</td>
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- Humanities (Social Studies, Literature in Tamil)
- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese / English)
- Music
- Principles of Accounts

"DBA provides students with the perfect avenue to discover their interests. In the second year of studies, besides gaining more in-depth business fundamentals, students will start specialising in their chosen option – be it Marketing, Operations or Entrepreneurship. In the final year of studies, we gain practical skills and industry insights through working on our final year project and internship. DBA gave me the skills and attitude necessary to become an adept individual in today’s business environment.”

Laura Anne Lau
DBA Gold Medallist, Class of 2016, who is currently a Lee Kong Chian Scholar at the Singapore Management University
The Common Business Programme caters to students who are passionate about business but need more exposure and hands on experience to decide which business discipline/field to specialise in.

**ENJOY STRONG INDUSTRY SUPPORT**
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, DCBP 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)

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

### ENTRY REQUIREMENTS

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<tr>
<td><strong>Subject</strong></td>
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- Media Studies (Chinese / English)
- Music
- Principles of Accounts

### COMMON BUSINESS PROGRAMME (SB COMMON FIRST YEAR MODULES)

#### SECOND YEAR

- DAC
- DBA
- DBKF
- DHRMP

### CAREER OPTIONS

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

### FURTHER STUDIES

Depending on your specialisation, you can continue to pursue a business degree programme at a local or foreign university.
“Want to understand the ups-and-downs of operating a company or a bank? Want to make sense of all sorts of business data and draw powerful insights?”

Join the Diploma in Financial Informatics (DFI)! DFI prepares you for exciting and rewarding careers in risk management and business analytics, which are professions in high demand. DFI also develops your expertise in financial intelligence and extends your analytics skillsets to embrace the multi-disciplinary real-life working environment.

EXPERIENCE AN EXCITING LEARNING JOURNEY
Various bonding events await you as you kick off your journey with DFI! The course embraces active-learning and we believe that hands-on learning and out-of-classroom experiences create an exciting learning journey. Among many others are the Fintech experiential trips, global immersion programmes and client-based business analytics projects. You will gain exposure to global financial markets through authentic learning experiences at Financial Informatics Lifelong Learning Space (FILLS). You will certainly be excited to gain first-hand experience with the latest industry analytics tools and exciting internships with our industry partners who are passionate about grooming new talent.

ENJOY STRONG INDUSTRY SUPPORT
You will benefit from DFI’s strong partnership with the industry by getting excellent internships and industry mentorship from client-based projects. We have worked with clients such as OCBC, DBS and Keppel that will hone your core competencies and work skills. There are also plenty of opportunities to network and get connected from the many industry networking sessions and forums!

FURTHER STUDIES
DFI graduates can pursue further studies in a spectrum of disciplines in Business Administration, Finance, Accounting, Quantitative Finance, Business Analytics and Information System.

In addition, DFI graduates will gain partnership and accreditation advantages from local and foreign universities; and also professional bodies such as the Institute of Chartered Accountants in England and Wales (ICAEW) and Association of Chartered Certified Accountants (ACCA).

In DFI, you define your choice! Join DFI!

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 12
Aggregate Type: ELR2B2–C

<table>
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<td>1 - 6</td>
</tr>
<tr>
<td>c) Any two other 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:
- 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)
Human Resource Management with Psychology DHRMP - S48

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?

SP is the first polytechnic to offer a full-time Diploma in Human Resource Management with Psychology (DHRMP). This comprehensive course is aligned with the national HR Skills Framework and will equip you with practical skills in human resource management, workplace psychology and emotional intelligence.

You will benefit from a curriculum integrated with real-world experience, preparing you to be a successful HR professional in the global business environment.

EXPERIENCE AN EXCITING LEARNING JOURNEY

Our innovative and unique Human Resource Learning Studio provides you with a conducive environment to acquire HR-related skills in communication, presentation, interviewing, counselling and negotiation. Students also receive hands-on training throughout this highly engaging course, which culminates in a final-year client-based project.

With this comprehensive programme, SP’s DHRMP students consistently win top awards in national HR competitions. This journey is further enhanced through school-wide leadership programmes and overseas immersion experiences.

ENJOY STRONG INDUSTRY SUPPORT

Singapore Polytechnic has been appointed as “Sector Lead” for HR among the polytechnics and the Institute of Technical Education (ITE). With strong relationships with the HR community, collaborations such as industry talks and field trips provide students with first-hand experience of how HR teams function.

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

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

FURTHER STUDIES

As SP’s DHRMP graduate, you will receive generous advanced credit standing from reputable local and foreign universities should you decide to further your studies. You may gain direct entry into the second year of relevant degree programmes at selected foreign universities. Our DHRMP graduates have gained admission into prestigious local and overseas universities 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. SkillsFuture’s Earn and Learn 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 deepen your knowledge and skills on some of the leading HR Technologies and tools to improve HR efficiency and effectiveness across the various HR functions.

SP’s holistic approach to nurturing HR professionals ensures that our DHRMP students are work-ready, life-ready and world-ready. Join us now!

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- Introduction to Enterprise Development
- Literature in English / Chinese / Malay / Tamil
- Media Studies (Chinese / English)
- Music
- Principles of Accounts
The world is your playground

We all know the benefits of having an entrepreneurial mind-set. In the School of Business, students are equipped with foundational skills and constantly encouraged to step out of their comfort zone to chase their dreams. To support students in their endeavours, both local and overseas competitions, internships and programmes are offered.
School of Chemical & Life Sciences

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

Pioneering bigger breakthroughs

Sitti Nurarfazirah*SP
Diploma in Biomedical Science

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

The 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 richly experienced in their respective fields. Most importantly, they are passionate in their shared purpose to mold you into competent adults ready for the world.

We have alumni who are now award winning scientists. Our graduates have also been admitted to study 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. Go through this brochure to find out exactly what our graduates think of our courses and lecturers.

For more information regarding entry requirements, courses and careers, please contact:
School of Chemical & Life Sciences Tel: (65) 6775-1133 Fax: (65) 6772-1976 Email: contactus@sp.edu.sg Website: www.sp.edu.sg/cls
Discover the mysterious and captivating properties of chemicals, drugs and materials through an exciting applications-based journey with us. The Diploma in Applied Chemistry (DAPC) is the first diploma in Singapore to focus on building a strong foundation in chemistry which provides you the versatility to work in various chemistry-related sectors.

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

Through a specially developed progressive learning strategy, you will be imparted with knowledge acquisition skills on fundamental chemistry principles during your first year. In the second year, you are 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 skills.

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

**COURSE HIGHLIGHTS**
- Only course in Singapore on Applied Chemistry
- Specialise in one of the three options: Pharmaceutical Science, Industrial Chemistry, or Materials Science
- Course is recognised by the UK Royal Society of Chemistry (RSC) and the UK Institute of Materials, Minerals and Mining (IOM3)
- Work with state-of-the-art equipment in well-designed laboratory suites: Analytical & Forensic Chemistry, Pharmaceutical Chemistry and Materials Science
- Internship or dedicated research experience with local and overseas institutions

**ENTRY REQUIREMENTS**
2019 JAE ELR2B2: 10
Aggregate Type: ELR2B2–C

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**SCHOLARSHIPS AVAILABLE**
- Singapore Polytechnic Scholarships
- A*STAR Science Award
- Mitsui Chemicals Scholarships
- MOH Holdings Scholarships

**FURTHER STUDIES**
Many of our graduates gain direct entry into the second or third year of degree programmes at local or overseas institutions. Related degree programmes include Chemistry, Pharmaceutical Science, Materials Science and Engineering.

“I have always been intrigued by the mysterious and captivating properties of materials. This course has benefited me a lot and it provided the answers to the mysteries behind the different materials and how they are applied to improve lives. The interesting learning journey has helped to develop both my technical competency and my outlook for the future. We owe a lot to our lecturers who have made their lessons engaging and easy to understand by bringing in real-life examples and applications. I will always cherish the care and concern shown by my lecturers and course mates.”

Huang Jiemin
DACM Gold Medallist, Class of 2015, who is now pursuing a Materials Engineering degree at Nanyang Technological University

**APPLICATIONS 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 & Marketing Executive
• Technical Specialist

**CHEMICAL & LIFE SCIENCES**
Biomedical Science is all about science that ‘saves lives’ – from the science of human functionality to research activities for knowledge and development of diagnostic tools and finally to medical testing for diagnosis, management and prevention of diseases.

Our students can choose from three exciting specialisation options: Medical Technology, Cardiac Technology and Biomedical Research.

The only curriculum in Singapore recognised by international accreditations:
- American Society for Clinical Pathology (ASCP) USA
- Institute of Biomedical Science, (IBMS) UK

**COURSE HIGHLIGHTS**
- Internships at top-notch clinical laboratories or premier research laboratories including A*STAR Institutes and top-ranked universities in the USA
- Training partnership with National Heart Centre Singapore for Cardiac Technology option provides an authentic learning experience
- Opportunities to work with prominent local and international research scientists and clinicians on current research projects
- Fantastic network of students and alumni
- Opportunity to expand interests through elective modules in Forensic Biology, Cytogenetics or Introductory Pharmacology

**ENTRY REQUIREMENTS**
2019 JAE ELR2B2: 7
Aggregate Type: ELR2B2–C

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**CAREER OPTIONS**
- Administrator (Medical Industry)
- Assistant Biotechnologist
- Assistant Quality Control Laboratory Analyst
- Clinical Research Coordinator
- Phlebotomist
- Cardiac Technologist
- Medical Technologist
- Quality Assurance Assistant
- Research Assistant
- Sales and Marketing Executive
- Technical Specialist

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

**FURTHER STUDIES**
A high percentage of our graduates is offered admission to local universities. You can also be granted direct entry into the second or third year of degree programmes in Australian and British universities. 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 and Pharmacy at NUS, as well as Biomedical Sciences and Chinese Medicine at NTU.

“The clinical-based curriculum was comprehensive, coupled with a plethora of well-designed practical sessions providing us with a strong foundation in the biomedical sciences and laboratory competencies. In addition, internship has greatly broaden our horizons in hospital medical laboratories and research facilities. Our Final-Year Projects equipped us with appropriate skills that enabled us to carry out scientific investigation and experiments independently.”

Eric Ong Jia Yong
DBS Gold Medallist, Class of 2017
CHEMICAL ENGINEERING DCHE – S70

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

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

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

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

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 13
Aggregate Type: ELR2B2–C
Subject Grade
a) English Language 1 - 7
b) Mathematics
  (Elementary / Additional) 1 - 6
c) One of the following
  3rd relevant subjects:
  - Biology
  - Biotechnology
  - Chemistry
  - Design & Technology
  - Physics
  - Science (Chemistry, Biology)
  - Science (Physics, Biology)
  - Science (Physics, Chemistry)

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 2-year degree programme in chemical engineering that is offered by Newcastle University (NU), United Kingdom and SIT.

SCHOLARSHIPS AVAILABLE
• Singapore Polytechnic Engineering Scholarships
• A*STAR Science Award
• Mitsui Chemicals Scholarships

“...”

Liew Zheng Jie
DCHE Gold Medallist and Lee Kuan Yew Award Winner, Class of 2017

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 2-year degree programme in chemical engineering that is offered by Newcastle University (NU), United Kingdom and SIT.
Be part of the team that designs food to excite the taste and imagination through food science and technology. Come join the ranks of food scientists and technologists to launch innovative new products to meet the needs of today’s ever curious and adventurous consumers!

Through Design Thinking innovative teaching and industry-linked projects, you will discover the world of food – from raw materials to ingredients, processes and packaging to finished consumer products! As a food scientist or technologist, you can play an important role in making our foods more appealing, yet healthier and safer!

Come journey through DFST by honing your skills though basic science modules and uncovering the mysteries of food.

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

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

**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

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

“DFST has provided me with abundant opportunities to explore my interests through experiential learning. These experiences have allowed me to hone my technical and soft skills, and build meaningful connections within the industry. I feel immensely thankful for our dedicated lecturers who made me realise that education is not rooted in individual success, but it is entrenched in the belief that this could be used for the betterment of my community.”

**Magdalene Tan Qiao Hui**
DFST Gold Medallist, Class of 2017, who is pursuing a B. Sc. (Hons) Food Science & Technology at National University of Singapore under the Rintoul Scholarship

**ENTRY REQUIREMENTS**
2019 JAE ELR2B2: 12
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Subject Grade: 1 - 7
OPTOMETRY DOPT – S67

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

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

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

COURSE HIGHLIGHTS
• First tertiary institution in Singapore to offer this course since 1994
• Our students start working with patients in the first year and continue with greater responsibilities in the subsequent years
• Excellent clinical and laboratory facilities and SP Optometry Centre provide you with hands-on experience using state-of-the-art precision instruments and equipment
• Register as a qualified optometrist with the Optometrists and Opticians Board when you graduate
• Regular industrial attachments at hospitals, optometric practices, contact lens or ophthalmic lens companies to widen your scope and experience in optometry
• Four-month continuous internship in the eye care industry is 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 Hospitals and Eye Clinics
• Optometrist at retail optical outlets
• Professional Affairs Executive
• Research Optometrist

SCHOLARSHIPS AVAILABLE
• Singapore Polytechnic Scholarships
• MOH Holdings Scholarships

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 12
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“Application has many memorable experiences as a Diploma in Optometry student. I did my internship at AeroV Singapore, where I learnt more about contact lenses that you can wear to sleep and gained opportunities to use various forms of optometry equipment to serve customers. I’m also thankful for the opportunity to provide eye care to local and overseas communities on trips such as the Gift of Sight programme in Surabaya Indonesia. Such experiences have allowed me to develop a greater sense of empathy, and I look forward to delivering best-quality eye and vision care to my future patients.”

Lai Pin Nean
DOPT Gold Medallist, Class of 2018

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

Applicants with severe vision impairment may encounter difficulties meeting the course requirements and expectations. Please refer to the Ministry of Health (MOH) website on Fitness to Practice for registered Optometrists.
If you have the passion to:
• formulate products that will give you age-defying looks;
• 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 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. 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 Perfumery and Cosmetic Science Centre
• Collaborate with industry partners to create and commercialise student formulations, for example, the Romance Singapore series of perfumes was created by our students
• Real and exciting experiences in making perfumes and cosmetic products, producing fragrance raw materials through organic synthesis and distilling essential oils from plant extracts
• Internship with perfumers, chemists, product formulators or dermatologists at chemical companies or cosmetic companies or fragrance and flavour houses
• Be awarded with a training certificate in ‘Analytical Instrumentation and Laboratory Techniques accredited by the Royal Society of Chemistry (RSC), UK

SCHOLARSHIPS AVAILABLE
• Singapore Polytechnic Scholarships
• Society of Cosmetic Scientist (Singapore) Merit Award
• A*STAR Science Award

FURTHER STUDIES
You may gain entry into the second and third year of degree programmes in local and overseas universities. You can pursue further studies in the areas of cosmetic science, perfumery and chemistry.

ENTRY REQUIREMENTS
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Whether it is internship programmes or Learning Express Programmes (LEX), these overseas exposure give students from the School of Chemical & Life Sciences with fresh perspectives of the world. From interning at prestigious universities to providing eye screening in remote villages, they have been there and done that.
You dream of transforming the world into a better place. Or of making the cyberspace a safer place. You dream of harnessing technology to make a difference to 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.

If these are your dreams, the School of Computing (SoC) can help turn your Dreams into Reality through the following IT diploma programmes:

- Common Infocomm Technology Programme (CITP)(S32)
- Diploma in Infocomm Security Management (DISM)(S54)
- Diploma in Information Technology (DIT)(S69)

with specialisations/tracks in:
- Software & Applications specialisation
  - Software Development Specialist track
  - User Experience (UX) Designer track
- Data Science & Digital Analytics specialisation

Why SoC?
An IT curriculum that builds strong foundation and deep skills
Lay a strong foundation in coding and learn-to-learn by building complete end-to-end web-mobile applications. Develop the dexterity to go deep in your chosen field of study, from cyber security, software development and user experience design to AI & data science/digital analytics.

Innovative Teaching Approaches & Learning Spaces
Hone your cyber defence skills through scenario-based simulated cyber-attacks at SP’s Cyber Wargame Centre and work on live social media projects at our Social Media Listening Centre.

Immersive Real World Learning
Pit your skills against the best in competitions, join meet-ups to find like-minded fellows and earn industry certifications.

Get real-life work experience through our 22 weeks of internship and develop solutions to real-world problems though SP’s SMART Campus, Data Science and Analytics Centre, Interactive Experience Technology Centre, and more.

Come. Journey with us. Turn your Dreams into Reality!
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 two IT courses that you wish to pursue:
- S69 Diploma in Information Technology (DIT)
- S54 Diploma in Infocomm Security Management (DISM)

COURSE HIGHLIGHTS
The programme offers:
- fundamental IT modules to give you an insight into what interests you.
- common foundational modules and comprehensive exposure to various areas of IT through the Infocomm Professional Seminars.
- curriculum which includes IT career guidance to prepare graduates for upcoming trend in IT sectors industry.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 15
Aggregate Type: ELR2B2-C

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**NOTE:** To be eligible for admission, you must also have sat for one of the following subjects:
- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Creative 3D Animation
- Design & Technology
- Electronics / Fundamentals of Electronics
- Food & Nutrition
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

FURTHER STUDIES
You can pursue an IT degree programme at a local or foreign university.
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 cyberthreats!

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

**COURSE HIGHLIGHTS**

- **SIMULATED-PRACTICE LEARNING ENVIRONMENT**
  The Cyber Wargame Centre provides you with a real-time practice and learning environment through Cyber Wargame exercises – launch cyber-attacks, build cyber defences and delve into the world of forensics investigation.

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

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

**SCHOLARSHIPS AVAILABLE**

- Centre for Strategic Infocomm Technologies (CSIT) Diploma Scholarship
- Industry Preparation for Pre-graduate (iPREP) Programme
- Infocomm Polytechnic (iPoly) Scholarship
- Singapore Polytechnic (SP) Scholarship
- Singtel Cyber Cadet Scholarship
- DSO National Laboratories (DSO) Diploma Scholarship

**CAREER OPTIONS**

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

**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, United Kingdom and the United States.

**ENTRY REQUIREMENTS**

**2019 JAE ELR2B2: 8**

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

“"The DISM course has provided me with a holistic approach to manage cyber security, and a plethora of opportunities - both within the institution and in the industry - to explore and advance my technical arsenal beyond the syllabus and develop essential soft skills. Working closely with industry partners, I can graduate with industry relevant certifications and experiences.”

Daniel Ho
Class of 2016, DISM Gold Medallist, recipient of the Lee Kuan Yew Award 2016, and currently a Public Service Commission scholarship holder
CREATE A SMART NATION WITH US

Information Technology (IT) is the driving force behind many digital transformations we see and use today, including the Smart Nation vision. In Singapore, there continues to be a strong demand for IT professionals in Software Development and User Experience (UX) design, and in frontier technologies such as Artificial Intelligence & Data Science / Analytics and Immersive Simulation Technologies such as Augmented and Virtual Reality.

COURSE HIGHLIGHTS

- FLEXIBLE COURSE OF STUDY
  Choose any one of the three most in-demand areas of IT to focus on:
  - Software & Applications - Software Development Specialist
  - Software & Applications - Immersive Simulation Specialist
  - Software & Applications - User Experience (UX) Design
  - Data Science and Digital Analytics

- AWESOME OPPORTUNITIES
  We open doors for you to work with leading industry companies such as Microsoft, Accenture, GovTech, CrimsonLogic, KPMG, Singtel and Ubisoft Singapore through internship opportunities and project collaborations.

- GET A HEAD START FOR LOCAL UNIVERSITIES
  DIT offers an Advanced Math programme that will prepare you for your university programme. Moreover, you can pursue an IT related degree in both local and overseas universities with advanced standing.

- INDUSTRY PROJECTS
  Students immerse themselves in real world learning by doing real customer projects in the focal areas of Solution Development, AI & Data Science and Immersive Media. We work closely not only with SP’s Data Science and Analytics Centre (DSAC) and Immersive eXperience Technology Centre (IXTC), but also our strategic industry partners for projects.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 15
Aggregate Type: ELR2B2-C

<table>
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<th>Grade</th>
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<tr>
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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 AVAILABLE

- Centre for Strategic InfoComm Technologies (CSIT) Diploma Scholarship
- InfoComm Polytechnic (iPoly) Scholarship
- Industry Preparation for Pre-graduate (iPREP) Programme
- Singapore Polytechnic (SP) Scholarship

CAREER OPTIONS

- Analyst Programmer
- Applications Developer
- Business Analyst
- Data Analyst / Engineer
- Digital Marketing Executive
- Graphics Programmer
- Information Systems Officer
- Full Stack Web Developer
- Extended Reality (XR) Developer
- Games Programmer
- IT Consulting Analyst
- IT Support Personnel
- Software Engineer
- Systems Analyst
- UI Designer
- UX Designer
- Web Developer
- Data Engineer
- Software QA Engineer
- Technical Artist

FURTHER STUDIES

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

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

Azeem Arshad Vasanwala
Class of 2017, Toh Chin Chye Gold Medallist Institution Award, IMDA Gold Medallist, Microsoft Imagine Cup 2016 Winner, Singapore Computer Society IT Youth 2017 Finalist Award
Media, Arts & Design School

- APPLIED DRAMA & PSYCHOLOGY (S43)
- CREATIVE WRITING FOR TV & NEW MEDIA (S41)
- DIGITAL ANIMATION (S35)
- EXPERIENCE & COMMUNICATION DESIGN (S93)
- GAME DESIGN & DEVELOPMENT (S56)
- MEDIA & COMMUNICATION (S86)
- MUSIC & AUDIO TECHNOLOGY (S97)
- VISUAL EFFECTS & MOTION GRAPHICS (S39)

Imagining greater possibilities

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

In a world that is volatile and complex, imagination can transform workplaces, communities and so, the world itself. Creativity and imagination opens up pathways to careers in the fields of media, arts and design.

At the Media, Arts & Design School, we are MAD about:
- Developing creativity using pedagogical methods – from studio-based learning to out-of-classroom learning activities
- Tapping the experience of our lecturers – all industry experts – to equip students with skills and knowledge to solve problems
- Providing learning spaces modelled after real-world work environments for authentic learning
- Collaborating with industry partners and academic institutions to prepare students for employment

If you see yourself working in the creative industry in the future, be it in the fields of media, arts or design, then this is the place for you.

Here, our students are in the business of taking what they imagine – and turning it into reality.
APPLIED DRAMA & PSYCHOLOGY  DADP - S43

The Diploma in Applied Drama & Psychology journeys beyond performance, integrating the tools of drama with an understanding of psychology. The result is a powerful engine for education, social intervention and change.

At DADP, authentic learning means extending the boundaries of the classroom. Your assignments will give you the chance to work with different communities, from children to seniors.

COURSE HIGHLIGHTS

In this course, you will:
• Draw on the expertise of leading dramatists through our Artist-in-Residence scheme and master classes. Learn from practitioners in drama/social service/psychology fields.
• Work with communities from a wide range of settings, such as schools and social/community services. Intern with local drama companies, schools, government agencies and social/community service organisations.
• Bring different stories to life in BlackBox, our drama space with unlimited potential to transform itself, its players and its audience.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 11
Aggregate Type: ELR2B2-A

Subject | Grade
---|---
a) English Language | 1 - 6
b) Mathematics (Elementary / Additional) | 1 - 7
c) Any three other subjects | 1 - 6

NOTE: To be eligible for admission, you must also have sat for one of the following subjects:
• Art / Art & Design
• Business Studies
• Combined Humanities
• Economics
• Geography
• Higher Art
• Higher Music
• History
• Humanities (Social Studies, Geography / 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 / English)
• Music

FURTHER STUDIES

You may further your academic pursuits in Theatre Studies, Applied Drama, Psychology, Social Work, Early Childhood/Special Education or Arts and Social Sciences.

DADP graduates are accepted into degree programmes at local and foreign universities. Some of these universities grant generous exemptions and advanced standing to our graduates.

DADP graduates enjoy immediate employment with organisations in the social/community services, educational services and governmental sectors. Some DADP graduates have been offered prestigious scholarships by the National Arts Council, Yayasan MENDAKI and Nanyang Technological University.

"I’ve always been passionate about working with people and youths in particular. DADP provided the framework to curate art with scientific depth. The combination of applied drama and psychology showed me how to engage youths in creative ways in my work as a Training and Development Executive with Halogen Foundation Singapore."

Vanessa Yap Ru
Class of 2013, who is now working as a Training and Development Executive with Halogen Foundation Singapore.
CREATIVE WRITING FOR TV & NEW MEDIA DTVM - S41

The Diploma in Creative Writing for TV & New Media develops students’ ability to find, shape and realise their stories, fine-tuning them into polished content for various media platforms such as print, television and transmedia.

Students learn to ideate and create stories, put them into words and visuals and present them to the audience. This is done through children’s stories, news articles, documentaries, TV dramas and comedies as well as content for website and mobile applications.

COURSE HIGHLIGHTS
In this course, you will:
• Be inspired. Find your muse in The Writers’ Room, our unique space for dreaming and writing. Through our master classes, network with seasoned journalists, scriptwriters, filmmakers, animators, comic strip artists and other media professionals from Singapore and around the world.
• Leave the classroom. Record your news, drama, comedy, reality show or documentary in a studio setting or the outdoors. Travel overseas to film a documentary as an assignment.
• Pitch your programmes to industry experts and, if selected, watch them come alive on TV.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 9
Aggregate Type: ELR2B2-A

<table>
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• Economics
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• 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 / English)
• Music

“The Diploma in Creative Writing for TV & New Media has helped me pursue my passion. Besides creative writing, I was also exposed to production work and have found my career in it. My internship with Big 3 Media was such an eye opening and fruitful experience that I decided to work full-time after graduation to build up my industry experience.”

Tan Hui Tian Esther
Tan Kay Yong Gold Medallist, Class of 2017, currently working at Big 3 Media Production as an Assistant Producer

FURTHER STUDIES
You may pursue a degree in arts and social sciences, journalism, mass communication, new media, communication and other related degrees.

DTVM graduates are accepted into degree programmes at local and foreign universities. Some of these universities grant generous exemptions and advanced standing to our graduates.
DIGITAL ANIMATION  DDA - S35

Chill, relax and work in a personal workspace that you can decorate on your own – a place that you call home. Bring fantasy to reality in our M.A.D. Studios, where dreams come alive through art and animation. Let DDA take you places where one can only go in their wildest imagination. Create worlds so entertaining and appealing people will want to remain in them forever!

COURSE HIGHLIGHTS
In this course, you will:
• Work in a personalised workspace in our M.A.D. (Media-Art-Design) Studios. The M.A.D. Studios is a fully-equipped production studio that not only offers you a personalised workspace, but also a place where you can bounce ideas off peers and lecturers. M.A.D. Studios emulates the real-life workplace, giving you the creative environment to let your ideas run wild.
• Be mentored by industry gurus from companies such as Lucasfilm and Ubisoft in our unique mentorship programme. Learn from the people who make things happen!
• Gain a foothold in the industry through our minimum 17-week internship programme at top animation companies. It is an opportunity offered to all DDA students!
• Have the opportunity to join a 2-week immersion programme to create your very own anime with Digital Hollywood University in Japan!

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 8
AGGREGATE TYPE: ELR2B2–D

<table>
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NOTE: To be eligible for admission, you must also have sat for one of the following subjects:
• Art / Art & Design
• Biology
• Biotechnology
• Chemistry
• Computing / Computer Studies
• Creative 3D Animation
• Design & Technology
• Design Studies
• Electronics / Fundamentals of Electronics
• Food & Nutrition
• Higher Art
• Media Studies (Chinese / English)
• Physics
• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)

“Singapore Polytechnic’s Diploma in Digital Animation was where I met the best friends I have ever made in the course, and amazing lecturers who would go the extra mile to teach and nurture us into animators of tomorrow. The rigorous and ever-evolving coursework taught me the fundamentals in animation and art and the mindset and lifeskills that I will be able to apply in the workforce. It was a dream come true to live and breathe my childhood dream, and I am thankful for everything that this course has taught me.”

Tan Xi-Wen, Erica
DDA Gold Medallist &
Tan Kay Yong Gold Medal winner,
Class of 2018, Educator & Freelancer.

FURTHER STUDIES
You can pursue further related degree programmes at both local and overseas universities. We have graduates enrolled locally at the School of Art, Design and Media at Nanyang Technological University and DigiPen Institute of Technology.
We also have graduates who were offered places at overseas institutions such as Ringling College of Art and Design (USA), School of Visual Arts (USA), Bournemouth University (UK), University of Glasgow (UK), University of Hertfordshire (UK), Savannah College of Art and Design (HK) and Vancouver Film School (Canada).
EXPERIENCE & COMMUNICATION DESIGN DXCD - S93

The Diploma in Experience & Communication Design responds to the Design 2025 vision set out by DesignSingapore Council. The vision calls for creative talents in Singapore who can innovate the way brand experiences are designed across all industries.

Students will be trained to question, challenge and rethink design experiences that cut across image, place and object. The programme provides a good grounding in visual communication skill sets - graphic design, advertising, branding, digital photography, video production, user experience, interaction design - and cultivates a deep understanding of user-centered design.

Through exploratory and client-based projects, you will hone your creativity, imagination and thinking, and build a strong portfolio that will give you an edge upon graduation.

COURSE HIGHLIGHTS

In this course, you will:

- Experience a robust integrated curriculum that opens up many pathways for students to explore print, digital and interactive media.
- Gain insights into professional practice through engagement of renowned practitioners and guest speakers from the industry.
- Have opportunities to gain recognition through our “exhibit and publish” culture, and to be mentored to win competitions.
- Be part of a student-run integrated design agency, which provides opportunities for students to work on industry projects.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 14
Aggregate Type: ELR2B2-D

Subject | Grade
--- | ---
English Language | 1 - 6
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/ Art & Design
- Biology
- Biotechnology
- Chemistry
- Computing / Computer Studies
- Creative 3D Animation
- Design & Technology
- Design Studies
- Electronics / Fundamentals of Electronics
- Food & Nutrition
- Higher Art
- Media Studies (Chinese / English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

FURTHER STUDIES

Most local and overseas universities with design and communication programmes grant direct admissions for DXCD graduates.
GAME DESIGN & DEVELOPMENT  DGDD - S56

If you are enthusiastic and keen to create games to engage and entertain, you are the creative energy we want.

The course guides you to explore the different pathways in the games industry with game design as the core. You get to learn and experience the different aspects of game development such as game design, level design, user interface design, character illustration, 3D modelling, animation, gameplay programming and game project management. Discover your talent as you go through the course.

The games industry is fast-growing and games are changing the ways we interact with the world. In fact, games are not just designed for entertainment purpose; they are also designed to aid in education, therapy and other applications as well.

The Diploma in Game Design & Development will help you gain a foothold into the games industry as you learn how to design and develop different types of fun and engaging games.

Join us now and embark on the quest in creating your own games in the Diploma in Game Design & Development.

COURSE HIGHLIGHTS

In this course, you will:
- Experience exciting collaborations with established game studios and research labs. Learn to design and develop games on platforms such as iPad and Android tablets.
- Work with virtual reality, augmented reality and other game-changing technologies.
- Be immersed in a studio environment that provides realistic team-based game development experiences. A wide range of professional software and hardware supports the learning process and the development of game projects. Software tools include Unity, Unreal, Maya, 3DS Max, ZBrush, Adobe Creative Suite.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 12
AGGREGATE TYPE: ELR2B2-D

<table>
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- Food & Nutrition
- Higher Art
- Media Studies (Chinese / English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

FURTHER STUDIES

Relevant undergraduate degrees include Design-related and IT-related programmes at NUS, NTU and other local universities.

DigiPen Singapore, under Singapore Institute of Technology (SIT) offers degree programmes for professions in the games industry.

“Aside from the array of technical skills and proficiencies that I was taught during my time in the game design course, the one thing I really appreciated was the amazing atmosphere that I was able to be a part of. With the combination of a positive learning environment, determined classmates and incredible lecturers, I was able to push myself further than I could have anywhere else. The challenges I faced have shaped me into a better team player, and a more balanced and disciplined person. The satisfaction of completing a project and celebrating with my classmates, lecturers and friends forged memories that I will never forget.”

Christopher Pang  
DGDD Gold Medalist, Class of 2016. He plans to study Game Design in DigiPen Institute of Technology, United States, after national service.  

47
MEDIA & COMMUNICATION DMC - S86

The Diploma in Media & Communication is a comprehensive mass communication course with emphasis on digital content creation, integrated communication and research.

Learn to create brand stories by integrating different marketing communication tools (such as advertising and public relations) and delivering them through different media platforms – print, video, digital media.

At DMC, authentic learning means you get to work closely with our industry partners, such as Singapore Press Holdings (SPH) and TBWA, to nurture your aspirations in the wide spectrum of media and communication.

You will also get to apply Singapore Polytechnic’s Design Thinking methodology to real world projects.

COURSE HIGHLIGHTS

In this course, you will:
- Create award-winning real-world campaigns at The Agency, an exclusive, integrated communication facility on campus. Hold media conferences and get your research work published by national and regional media. Our students have won accolades in national competitions such as the Crowbar Advertising Challenge.
- Nurture your talents and aspirations and build your portfolio in SPACE Agency, an out-of-classroom incubator where students work with clients to develop campaigns for them.
- Learn from the best in the media and communication industry through our master classes, networking sessions and mentorship programme. Branding legend Ian Batey, who was behind icons such as Raffles Hotel and the Singapore Girl, will personally mentor recipients of the prestigious Batey Challenge.

FURTHER STUDIES

You may pursue a degree in communication, business, arts and social sciences and other related courses.

DMC graduates are accepted into degree programmes at local and overseas universities. Some of these universities grant generous exemptions and advanced standing to our graduates.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 13
Aggregate Type: ELR2B2-A

Subject | Grade
--- | ---
a) English Language | 1 - 4
b) Mathematics (Elementary / Additional) | 1 - 7
c) Any three other subjects | 1 - 6

NOTE: To be eligible for admission, you must also have sat for one of the following subjects:
- Art / Art & Design
- Business Studies
- Combined Humanities
- Economics
- Geography
- Higher Art
- Higher Music
- History
- Humanities (Social Studies, Geography / History)
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- 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 / English)
- Music
CAREER OPTIONS
• Arts and Media Promoter / Manager
• Live Sound Engineer
• Music Arranger / Publisher / Producer / Composer
• Music Educator
• Recording Engineer
• Sound Designer

There are many career opportunities available with recording studios, game development companies, advertising agencies, educational institutions, broadcasting corporations and Internet / new media companies that require music and audio as part of their operations.

COURSE HIGHLIGHTS
In this course, you will:
• Immerse yourself in a creative and vibrant environment. You will also participate in performances, events, social activities and immersion programmes.
• Work with highly-experienced lecturers on real-life music production projects under the Master-Apprenticeship model.

Our lecturers are actively engaged in industry projects and their knowledge of industry practice and excellence in teaching will provide you with a quality education.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 10
AGGREGATE TYPE: ELR2B2 - C

Subject Grade
a) English Language 1 - 7
b) Mathematics (Elementary / Additional) 1 - 6
c) Any two other subjects 1 - 6

NOTE: To be eligible for admission, you must also have sat for one of the following subjects:
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• Design & Technology
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• Science (Chemistry, Biology)
• Science (Physics, Biology)
• Science (Physics, Chemistry)

“... The course has a vibrant and diverse musical environment where you can nurture and discover your strengths in all aspects of the music industry at a challenging yet attainable pace. For the aspiring music enthusiast, this course is the perfect program to harness your strongest musical sensibilities and hone it into a profession. It has done so for me and I’m sure it will do the same for you!”

Evan Low Jun Feng
Class of 2009, Electronic Music Producer and Sound Designer

FURTHER STUDIES
Pursue further studies at reputable local or foreign universities. Many universities grant direct entry into the second or third year of relevant undergraduate degree courses. Graduates of DMAT have also been awarded local and overseas scholarships, and have studied in universities such as the National University of Singapore, Griffith University, University of Queensland, Keele University, Lancaster University, Berklee College of Music, California Institute of the Arts and Full Sail University.
Imagine if you can now do the things you love doing every day and make a career out of it. We’re always looking for passionate young artists to join our family of Visual Effects & Motion Graphics artists in this rapidly growing industry. We are excited to nurture the next generation of artists and provide a playground for your wildest imagination.

**CAREER OPTIONS**
- 3D Modeller
- Compositor
- Digital Artist
- Digital Matte / Texture Painter
- Effects Animator
- Matchmoving / Camera Tracking Artist
- Motion Capture Artist
- Motion Graphics Designer
- Rotoscope Artist

**VISUAL EFFECTS & MOTION GRAPHICS**

**DVEMG - S39**

**COURSE HIGHLIGHTS**
In this course, you will:
- Have your own workspace. Make it look your own!
- Work on a powerful workstation packed with everything you need to unleash that creativity.
- Work with experienced lecturers who are just as passionate as you are in visual effects and motion graphics.
- Attend a 22-week internship to prepare you for your future.

**ENTRY REQUIREMENTS**

**2019 JAE ELR2B2: 10**
**AGGREGATE TYPE: ELR2B2-D**

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- Design Studies
- Electronics / Fundamentals of Electronics
- Food & Nutrition
- Higher Art
- Media Studies (Chinese / English)
- Physics
- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

**FURTHER STUDIES**

**LOCALLY**
- Singapore Institute of Technology
- Digipen Institute of Technology
- Nanyang Technological University

**OVERSEAS**
- Australia National University
- Savannah College of Art and Design

“The time I spent in SP felt relatively short because I enjoyed most of it. DVEMG was the kickstarter of my career because it gave me an opportunity to partake in an internship with the University of California Los Angeles (UCLA) during my final year. The internship not only opened my eyes to the industry but also sparked my interest in motion graphics.”

Scottie Lim
Class of 2012, Motion Designer at Click 3X, New York
Well-rounded learning with SP

At SP’s Media, Arts & Design School (MAD), students are given plenty of opportunities to engage in both local and overseas internships, community services and competitions. These provide them with experiences that they can never learn from textbooks.
Everything around us is an engineering feat. Smartphones, laptops and transport networks are masterpieces of engineers.

**Join Us And Play A Role In Society That Has Never Been More Important Than IT Is Today!**

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

**Why SP Engineering?**

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

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

**With SP Engineering, it’s so possible.**
S P is the first to launch the Diploma in Aeronautical Engineering (DARE) course in Singapore in 2002. Since then, the DARE course has gone on to become one of the most sought after Engineering diplomas.

The course provides a solid foundation in Mechanical Engineering for subsequent specialisation in aerospace-related modules. Our premier status in education has been forged through sturdy bonds with prestigious aerospace organisations. These include, but is 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 metres state-of-the-art Aerohub that simulates a real working environment. Training facilities includes 4 aircraft and 2 full-motion simulators, one of which is developed and built in-house. Teaching and Learning is based on the proven CDIO (Conceive-Design-Implement-Operate) framework and Design Thinking methodology.

As an official ST Engineering Aerospace SAR147 B1 & B2 training partner, 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.

**COURSE HIGHLIGHTS**

This course offers:

- State-of-the-art aircraft training facilities at the Aerohub with four aircraft (Hawker 125-700A, King Air B90, A4SU Super Skyhawk and Bell Uh-1H Helicopter) and full motion flight simulators to provide authentic aircraft training experience.
- A curriculum that is aligned to 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.
- Opportunity to pursue a Private Pilot License (PPL) at the Singapore Youth Flying Club (SYFC).
- Electives in the areas of:
  - Advanced Aerospace Design and Manufacturing
  - Advanced Aircraft Maintenance Practices and Aerospace Composite Repair
  - Aircraft Maintenance Management
  - Unmanned Aerial Vehicle (UAV)
  - Mapped to Aerospace Engineering and Air Transport Skills framework.
- An exciting 2-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 UAV competitions such as the Singapore Amazing Flying Machine Competition (SAFMC).

**CAREER OPTIONS**

- Aeronautical Engineering Technologist
- Air Traffic Controller
- Air Transport Operators
- 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 Aircraft System Design Engineer
- Flight Operations Officer
- Licensed Aircraft Maintenance Engineer
- Planning Executive

**FURTHER STUDIES**

The Singapore Institute of Technology (SIT) and University of Glasgow have accredited the DARE course and allow its graduates to complete the Bachelor of Engineering (Honours) in Aeronautical Engineering and Bachelor of Engineering (Honours) in Aerospace Systems within two years at the Singapore Polytechnic campus. During the three years of your DARE course, you can choose to complete three modules offered by SIM University to qualify for its two-year through-train degree programme in Bachelor of Engineering (Honours) in Aerospace Systems. Qualified DARE graduates gain direct entry into Aeronautical, Mechanical Engineering, Aviation Management and Aircraft Science degree courses. Local and overseas universities offering advanced standing of up to two years include:

- Nanyang Technological University
- National University of Singapore
- Singapore University of Technology & Design
- Embry-Riddle Aeronautical University, USA
- University of New South Wales, Australia
- Imperial College, UK

**ENTRY REQUIREMENTS**

**AGGREGATE TYPE: ELR2B2-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.
Some possible careers include:

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

specified by the Civil Aviation Authority of Singapore (CAAS) to prepare you for a career as a Licensed Aircraft Maintenance Engineer.

- Opportunity to pursue a Private Pilot License (PPL) at Singapore Youth Flying Club (SYFC).
- Electives in the areas such as Commercial Pilot Theory, Unmanned Aircraft Flying and Drone Technologies, Fleet Technical Management and Aviation Management.
- An exciting 2-week overseas exchange programme (Learning Express) where you will use your skills and knowledge to improve lives in the real world.
- 22-week internship opportunities at reputable local aerospace companies such as Airbus, Rolls-Royce, SIAEC, ST Engineering Aerospace, Thales, CAAS and Changi Airport Group.
- Opportunities to join the premier Engineering Academy programme and take part in local and overseas UAV competitions such as the Singapore Amazing Flying Machine Competition (SAFMC).
- A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework which is adopted in top universities such as MIT.
- A proven track record of DASE graduates admitted to local and overseas universities such as NUS, NTU, SUTD, SIT, SUSS, Embry-Riddle Aeronautical University (USA), Imperial College (UK) and University of New South Wales (Australia).
Common ENGINEERING PROGRAMME CEP - S40

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, the student chooses to pursue one of seven established engineering diplomas offered by the School of MAE and EEE:

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

COURSE HIGHLIGHTS
This programme:
• Offers you a wide range of engineering choices, giving you an insight to what interests you the most.
• Begins with a semester that gives an overview of the skills, competencies and equipment pertinent to various technologies.
• The comprehensive exposure ascertains strengths and interests leading to an informed choice towards the intended career path.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 16
AGGREGATE TYPE: ELR2B2-C

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  • Science (Physics, Chemistry) | 1 - 6 |

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

1st Year, 1st Semester (Common)

1st Year, 2nd Semester (Select one of seven courses to specialise)*

Second / Third Year (Proceed and continue with selected course)

<table>
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<tr>
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<tr>
<td>DARE S88</td>
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<td>DME S91</td>
<td>DCPE S53</td>
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<td>DMRO S73</td>
<td>DEB S42</td>
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*Course allocation of students are based on their 1st semester cGPA, course choices and vacancies in courses.

Zhang Runze  
DOEP Student, Class of 2014

“The experience and exposure enabled me to discover my interests and strength. DCEP has shown me the course that leads to my aspiration after one semester.”
Computer Engineering is a discipline that combines the hardware and software aspects of computer science. Computers are at the heart of any modern, high-tech systems, be it a “Smart City”, driver-less cars, fighter planes, medical instruments, public transportation systems or weapon systems. Devices and systems are becoming “smarter” because of computers.

The Diploma in Computer Engineering (DCPE) course aims to equip you with a solid foundation in computer networking, hardware and software engineering. You will be trained in Electronic Engineering, Computer Hardware-Software Integration, Cloud Computing, Software Programming, Machine Learning/AI and Mathematics. With skills in these areas, you will be empowered to meet the challenge of the digital world, allowing you to develop secured smart solutions, intelligent devices and innovative info-communication services.

COURSE HIGHLIGHTS

This course offers:

- 40 SingTel Engineering Cadet Scholarships for DCPE students, covering tuition fees, monthly allowance and laptop allowance during Year two and three of the course.
- The most comprehensive diploma course of its kind, covering Embedded Systems, Software, Networking, Security, Internet of Things (IoT) and Cloud Computing.
- 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+ to enhance your career prospects.
- An edge in the Data Centre management, via hands-on experiential learning opportunities in our very own Data Centre.
- 22-week internship opportunities at reputable companies for exposure to various aspects of computing, networking and research.
- Opportunities to join the premier Engineering Academy programme and take part in local and overseas competitions.
- A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework, which is used in top universities in the United States, Europe and Australia.
- Generous credit exemptions from local and overseas universities for Computer Science / Engineering, Infocomm Engineering, and Electronic Engineering degree courses.

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 14
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“Through the DCPE course, I was able to explore many technologies such as machine learning and computer vision, be equipped with useful computer networking and cyber security skills, and have the opportunities to go for renowned industrial certifications. I also had the chance to work on many industry projects to build new solutions, reinventing the way we interact with technology. This allowed me to solve real-world problems and be ready for future challenges.”

Chan Chung Loong
DCPE Gold Medallist, Class of 2018
SingTel Engineering Cadet Scholar

CAREER OPTIONS

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

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, Network Engineering, Information Systems Engineering and Electrical & Electronic Engineering in universities in Australia, New Zealand and United Kingdom.
CAREER OPTIONS
Some possible careers include:
• Assistant Electrical Engineer
• Assistant Electronics Engineer
• Assistant Engineer (Automation)
• Assistant Facilities Management Engineer
• Assistant Field Service Engineer
• Assistant Maintenance Engineer
• Assistant Process Engineer
• Assistant Project Engineer
• Assistant Quality Engineer
• Assistant Test Engineer
• Biomedical Equipment Service Engineer
• Material Planner
• Technical Officer (Control & Instrumentation)
• Technical Officer (Power Distribution System)
• Biomedical Equipment Service Engineer
• Material Planner
• Technical Officer (Control & Instrumentation)
• Technical Officer (Power Distribution System)
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• Technical Officer (Power Distribution System)
• Biomedical Equipment Service Engineer
• Material Planner
• Technical Officer (Control & Instrumentation)
• Technical Officer (Power Distribution System)
• Biomedical Equipment Service Engineer
• Material Planner
• Technical Officer (Control & Instrumentation)
• Technical Officer (Power Distribution System)

The Diploma in Electrical & Electronic Engineering (DEEE) is an established engineering course with a history of more than 60 years. More than 20,000 students have passed through this course and many of them have successfully emerged as captains in their respective fields. It is a course well-recognised by industries and universities (local & overseas). Through the DEEE course, you will be prepared to be a competent and much sought-after technologist. You will also have the opportunity to participate in the creation of new and vital technologies which are antidotes to most problems in future.

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

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

COURSE HIGHLIGHTS
This course offers:
• A flexible curriculum with a choice of 6 specialisations in the 3rd year: Biomedical, Communication, Microelectronics, Power, Rapid Transit and Robotics & Control.
• 22-week internship opportunities at reputable companies to deepen your skills and provide you with exposure to real world projects.
• The option to be involved in industry projects, research, competition or other high profile projects in lieu of an internship.
• Opportunities to join the premier Engineering Academy programme and take part in local and overseas competitions.
• A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework, which is used in top universities in the United States, Europe and Australia.
• Recognition by the Energy Market Authority (EMA) of Singapore for the application of an Electrical Technician License if you specialise in Power Engineering.
• Generous credit exemptions from local and overseas universities for Electrical and Electronic Engineering degree courses.

ENTRY REQUIREMENTS
2019 JAE ELR2B2: 21
AGGREGATE TYPE: ELR2B2–C

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

“Singapore Polytechnic’s Diploma in Electrical & Electronic Engineering course provided me many possibilities and opportunities to acquire valuable knowledge and skills that can be applied to solve real life engineering problems. Through the course, I developed a strong understanding of engineering and acquired many practical skills through numerous hands-on projects. With these knowledge and skills, I am more confident to take on real-world engineering challenges.”

Lee Wen Wei
Lee Kuan Yew Award recipient and DEEE Gold Medallist, Class of 2018.

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

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

**COURSE HIGHLIGHTS**

This course offers:

- A curriculum with modules from three SP schools – School of Electrical & Electronic Engineering, School of Mechanical and Aeronautical Engineering and School of Business.
- Integration of engineering and business knowledge with a strong focus on technopreneurship.
- An exciting 2-week overseas exchange programme (Learning Express) where you will use your skills and knowledge to improve lives in the real world.
- 22-week internship opportunities at reputable local or overseas companies such as OCBC, Mapletree, ST Electronics, Panasonic, SSMC and A*STAR.
- Opportunities to join the premier Engineering Academy programme and take part in local and overseas competitions.
- A curriculum that follows the CDIO (Conceive-Design-Implement-Operate) framework which is adopted in top universities such as MIT.
- A proven track record of DEB graduates admitted to local and overseas universities such as NUS, NTU, SUTD, SMU, SIT and University College London (UCL) with up to 2 years of advanced standing.
- Opportunity to graduate with an additional Certificate in Entrepreneurship offered by the School of Business.

**ENTRY REQUIREMENTS**

**2019 JAE ELR2B2: 15**

**AGGREGATE TYPE: ELR2B2-C**

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**FURTHER STUDIES**

You have the flexibility to further your studies in engineering, business or similar inter-disciplinary programmes in both local and overseas universities. You can get advanced standing of up to 2 years when you take up engineering or business degree programmes.

**FELIX LEE**

SP’s 200,000th Graduate, DEB, Class of 2018

“I co-founded Packdat during my final year in the Diploma in Engineering with Business course. Since then, more than 10,000 itineraries have been created by our users. Packdat has also been acquired by Passpod - An Indonesian Travel company. My success today is partly due to the lecturers and friends I met in Singapore Polytechnic, who supported and encouraged me to pursue what I deeply believe in. I will always be thankful for this support.”

**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
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 technology options. Many graduates have built successful careers in Engineering. Some are leading large corporations or have started their own business.

**COURSE HIGHLIGHTS**

This course offers:
- CDIO(Conceive-Design-Implement-Operate) framework and Design Thinking methodology.
- Streaming into one of the following technology specialisations:
  - Aerospace Technology,
  - "NEW" Biomedical Engineering (From 2020 onwards),
  - Energy Systems,
  - Facilities Management,
  - Machine Design,
  - Precision Engineering,
  - Product Realisation.
- Internships with reputable organisations and exposure to real world projects.
- An opportunity to obtain additional certification in Aviation Management.
- Be exposed to the latest advanced manufacturing technologies at our high-tech learning space.

**ENTRY REQUIREMENTS**

2019 JAE ELR2B2: 17
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"My time in the DME course has equipped me with the skills and knowledge to venture into other engineering fields if I choose to. I can now pursue my dreams of becoming an engineer who can impact the community positively."

CHIEW KANG LIN
DME Silver Medalist and Tay Eng Soon Gold Medallist winner, Class of 2018

**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
- National University of Singapore
- Singapore University of Technology & Design
- Singapore Institute of Technology (University of Glasgow and Newcastle University)
- Singapore University of Social Sciences
- Imperial College
- University of Manchester
- University of Birmingham
- University of New South Wales
- RMIT University
SP launched Singapore’s first Mechatronics diploma course in 1991 to meet the niche demand for cross disciplinary Engineers in precision engineering work.

With the emergence of Advanced Manufacturing and Industry 4.0, the course has since diversified into the fields of collaborative robotics, autonomous electric vehicles and smart automation equipping our graduates with the relevant skillsets and mind-set to meet challenges of the future. Training has gone beyond the core areas of Mechanical Engineering and Electronics to include a plethora of skills in IT, programming, analytics and design.

As a DMRO student, you will have the opportunity to work with renowned industry partners during the Internship Programme/Project and participate in competitions locally and internationally.

In DMRO, we turn dreams and aspirations into reality!

**COURSE HIGHLIGHTS**

This course offers:

- The chance to branch out into other fields of Engineering.
- Multi-skills and knowledge that cover Mechanical Engineering, Electronics and Computer Technology.
- Real and relevant first-hand work experience and engaging projects with reputable organisations.
- The opportunity to obtain additional certifications through poly-wide electives.

**ENTRY REQUIREMENTS**

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**FURTHER STUDIES**

DMRO graduates gain direct entry into the second year of related Engineering degree courses at local and overseas universities such as:

- Nanyang Technological University
- National University of Singapore
- Singapore University of Technology & Design
- Singapore Institute of Technology:
  - Newcastle University
  - Technische Universität München
  - University of Glasgow
  - DigiPen Institute of Technology

**CAREER OPTIONS**

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

“Your hands-on curriculum at DMRO course gave me not just excellent engineering fundamentals but also hands on capabilities. DMRO is a unique course that combines traditional engineering disciplines like Mechanical, Electrical, Electronic and Programming.

This allows graduates like myself to be versatile in the ever-changing world of engineering.

My most memorable experience was my Final Year Project where I worked with one of the world’s leading sensor company, SICK AG Pte Ltd.

We designed and fabricated a concept prototype of an indoor autonomous robotic mobility vehicle for airports. This experience helped me to develop my technical abilities like designing and fabricating and soft skills like leadership, team work and communication skills that will help me in my future studies and career.”

Phe Jie Jing
DMRO Gold Medallist, Class of 2017

**ENTRY REQUIREMENTS**

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There is no limit to what I can do

Allow yourself to be lost in the world of creativity and let your imagination run wild. At SP Engineering, you can turn your craziest ideas into reality. Think bigger with SP!
Go on an adventure and ride the waves with the 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 growing maritime industry – one of the world’s busiest seaport and one of the world’s largest container ports.

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

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

- 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 they would require 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.

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).

ENTRY REQUIREMENTS

2019 JAE ELR2B2: 22
Aggregate Type: ELR2B2-C

<table>
<thead>
<tr>
<th>Subject</th>
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All Applicants must pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).

"The DMR course has prepared me for the challenges of working on board a ship or in a shore based establishment. With real-life experiences from my internship, I am now determined to make my mark as a marine engineer."

Alistair Teo Guo Hao
DMR Gold Medallist, Class of 2017

Sea Training
International recognised Professional Qualification

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

The Diploma in Marine Engineering (DMR) course encompasses various engineering disciplines that is required to make 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

The DMR course has prepared me for the challenges of working on board a ship or in a shore based establishment. With real-life experiences from my internship, I am now determined to make my mark as a marine engineer.”

Alistair Teo Guo Hao
DMR Gold Medallist, Class of 2017

Sea Training
International recognised Professional Qualification

All Applicants must pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).
If you are looking for a challenging and rewarding career in the maritime industry without having to go to sea, take the Diploma in Maritime Business (DMB).

As the world’s busiest seaport and one of the world’s 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.

**CAREER OPTIONS**

On graduation, DMB graduates are highly sought after for appointments as junior executives in organisations running ship owning/management; ship broking/chartering; ship/port agency; logistics/supply chain management and marine insurance/law companies; and port/terminal operators and regulatory authorities.

With working experience and exposure, the majority of DMB holders progress to managerial positions such as supervisors and assistant managers, with a few taking on higher responsibilities as managers.

Estimated starting salary: S$2000

**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

**ENTRY REQUIREMENTS**

2019 JAE ELR2B2: 18
Aggregate Type: ELR2B2-C

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

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

**FURTHER STUDIES**

You can gain direct entry into relevant BSc (Hons) programmes in Shipping Management, Maritime Business and Logistics conducted by reputable tertiary institutions from Australia, United Kingdom and the United States. You may also pursue business programmes at NUS or NTU.

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 more than 3.0 GPA. They may also gain direct entry into the third final year of the Plymouth University or Southampton Solent University in the United Kingdom maritime degree programme.

“SP’s DMB course was my first choice as I knew that I will be learning in a robust and dynamic environment. The knowledgeable and engaging lecturers shared their rich experiences and exposed us to the realities of the Maritime industry. It has truly been an enriching time at SP for me.”

Aaron Goh
DMB Gold Medallist and Chua Chor Teck Gold Medal winner, Class of 2015, who graduated with a maritime degree at the University of Plymouth (UK) under the MaritimeONE scholarship.
NAUTICAL STUDIES DNS - DAE

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

COURSE HIGHLIGHTS

- A double award programme that awards you both a diploma and the internationally recognised professional Class 3 Certificate of Competency (CoC) qualification that allows you to sail as a certified sea-going officer worldwide
- Attractive incentives and pay-out offered by the Maritime and Port Authority of Singapore on completion of internship and attaining your Class 3 CoC
- An extensive programme that prepares you to be versatile, equipping you with competencies to sail in any type of ship of any size worldwide
- A 12-month sea training phase which gives you first-hand experience in working on board a vessel
- Attractive salaries and great career advancement prospects - a junior officer’s salary starts at $3,000

ENTRY REQUIREMENTS

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- Electronics / Fundamentals of Electronics
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- Science (Chemistry, Biology)
- Science (Physics, Biology)
- Science (Physics, Chemistry)

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 a Bachelor degree in Navigation & Maritime Science offered by the University of Plymouth (UK).
THE SP EXPERIENCE

- Meaningful overseas experiences
  Trips to countries like Japan, China, France and the USA to enrich your learning experience.

- University or career after SP
  If the seniors can do it, you can too.

- Pursue my passion in music, arts and sports
  Why not? There are more than 100 CCA clubs!

- Internships
  Yes! At big brand companies or even world class universities like Harvard, MIT and Yale.

- Scholarships
  Of course! And SP scholars are groomed under a special SP Outstanding Talent programme.

- Design Thinking
  You’ll enjoy it. You’ll be taught how to think like a designer.

- MRT to SP
  With Dover MRT at SP’s doorstep, getting to school has never been easier!

- Food at SP
  Six foodcourts, Long John Silver’s, KFC, McDonald’s, Starbucks, Subway… Burp!!

- Fun at SP
  Pool, gym, jamming rooms, dance studio, rock climbing wall, even a bowling alley.

- Green campus
  Exciting learning spaces like the AeroHub and SP Business School in a vibrant and eco-friendly environment.

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Learn more at: www.sp.edu.sg