The Teacher’s Guide
Singapore Polytechnic
2013 • 2014

All you need to know about SP and polytechnic education.
In SP, we were given the freedom to do our own research and self-learning in a wide variety of projects. A big plus was the variety of quiet and self-learning areas spread throughout the sprawling campus that gave us an optimal environment. Another major motivation to do well was the lecturers. Some of them truly inspired me with their passion for teaching and generosity in helping students. I had the chance to intern with Pratt & Whitney in Beijing – a real eye-opener working with real aero-engines!

**TAN JUN HONG**  |  Class of 2013.
Gold Medalist, Diploma in Aeronautical Engineering, He is pursuing a career in the aviation industry.

Before I joined SP, I was a triple-science student. I did well and everyone expected me to join an elite junior college and continue my studies in science. However, I knew deep down inside that science and math are not my interest. I explored my passion towards design and discovered my interest in buildings and the poetics of architecture. Hence, I decided to pursue my dream of becoming an architect by taking up the Diploma in Architecture in SP.

**HENG CHENG SIN**  |  Class of 2013.
Gold Medalist, Diploma in Architecture, She is pursuing a degree in Architecture at the National University of Singapore under a Ministry of National Development Scholarship.

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**Singapore Polytechnic (SP)**
was established in 1954. In 2014, the institution will celebrate its 60th anniversary and the SP alumni network will be close to the 178,000 mark.

As Singapore’s first polytechnic, SP is committed to providing an excellent post-secondary education that will prepare its students to become work-ready, world-ready and life-ready individuals.

Over the decades, SP has produced many illustrious graduates who have achieved significant successes in various sectors of the economy such as engineering, business, design, architecture, life science, maritime, information technology and others.

SP has become a trusted brand in education and will continue to play an instrumental role in developing captains of the industries.

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SP has 9 Academic Schools.

- Architecture
- Civil Engineering with Business
- Environmental Management and Water Technology
- Hotel and Leisure Facilities Management
- Integrated Events and Project Management
- Landscape Architecture
- Accountancy
- Banking and Finance
- Business Administration
- Business Innovation and Design
- Financial Informatics
- Human Resource Management with Psychology
- International Business
- Tourism and Resort Management
- Applied Chemistry with Materials Science
- Applied Chemistry with Pharmaceutical Science
- Biomedical Science
- Biotechnology
- Chemical Engineering
- Food Science and Technology
- Nutrition, Health & Wellness
- Optometry
- Perfumery and Cosmetic Science
- Applied Drama and Psychology
- Creative Writing for TV and New Media
- Media and Communication
- Experience and Product Design
- Games Design and Development
- Interior Design
- Visual Communication and Media Design
- Business Information Technology
- Digital Animation
- Infocomm Security Management
- Information Technology
- Music and Audio Technology
- Visual Effects and Motion Graphics
- Aerospace Electronics
- Common Engineering Programme
- Computer Engineering
- Energy Systems and Management
- Engineering with Business
- Engineering Systems
- Electrical & Electronic Engineering
- Aeronautical Engineering
- Bioengineering
- Common Engineering Programme
- Mechanical Engineering
- Mechatronics and Robotics
- Marine Engineering
- Maritime Business
- Nautical Studies

Turn to next page for the list of Full-time Diploma Courses offered by these Schools.
<table>
<thead>
<tr>
<th>COURSE</th>
<th>COURSE CODE</th>
<th>2013 JAE ELR2B2</th>
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</thead>
<tbody>
<tr>
<td>Accountancy (DAC)</td>
<td>S75</td>
<td>12</td>
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<tr>
<td>Aeronautical Engineering (DARE)</td>
<td>S88</td>
<td>12</td>
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<tr>
<td>Aerospace Electronics (DASE)</td>
<td>S90</td>
<td>14</td>
</tr>
<tr>
<td>Applied Chemistry with Materials Science (DACM)</td>
<td>S37</td>
<td>14</td>
</tr>
<tr>
<td>Applied Chemistry with Pharmaceutical Science (DACP)</td>
<td>S64</td>
<td>12</td>
</tr>
<tr>
<td>Applied Drama and Psychology (DADP)</td>
<td>S43</td>
<td>13</td>
</tr>
<tr>
<td>Architecture (DARCH)</td>
<td>S66</td>
<td>13</td>
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<tr>
<td>Banking &amp; Finance (DBKF)</td>
<td>S76</td>
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<tr>
<td>Bioengineering (DBEN)</td>
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<td>Biomedical Science (DBS)</td>
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<td>Biotechnology (DBT)</td>
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<td>Business Administration (DBA)</td>
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<td>Business Information Technology (DBIT)</td>
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<tr>
<td>Business Innovation and Design (DBID)</td>
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<tr>
<td>Chemical Engineering (DCHE)</td>
<td>S70</td>
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<tr>
<td>Civil Engineering with Business (DCEB)</td>
<td>S68</td>
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<td>Common Engineering Programme (DCEP)</td>
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<tr>
<td>Computer Engineering (DCPE)</td>
<td>S53</td>
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<tr>
<td>Creative Writing for Television and New Media (DTVM)</td>
<td>S41</td>
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<tr>
<td>Digital Animation (DOA)</td>
<td>S35</td>
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<tr>
<td>Electrical &amp; Electronic Engineering (DEEE)</td>
<td>S99</td>
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<tr>
<td>Energy Systems and Management (DESM)</td>
<td>S45</td>
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<td>Engineering Systems (DES)</td>
<td>S33</td>
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<tr>
<td>Engineering with Business (DEB)</td>
<td>S42</td>
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<tr>
<td>Environmental Management &amp; Water Technology (DEWT)</td>
<td>S52</td>
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<tr>
<td>Experience and Product Design (D XPD)</td>
<td>S51</td>
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<td>Financial Informatics (DFI)</td>
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<tr>
<td>Food Science &amp; Technology (DFST)</td>
<td>S47</td>
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<tr>
<td>Games Design &amp; Development (DGDD)</td>
<td>S56</td>
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<tr>
<td>Hotel &amp; Leisure Facilities Management (DHLFM)</td>
<td>S95</td>
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<tr>
<td>Human Resource Management with Psychology (DHRMP)</td>
<td>S54</td>
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<td>InfoComm Security Management (DISM)</td>
<td>S54</td>
<td>13</td>
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<tr>
<td>Information Technology (DIT)</td>
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<tr>
<td>Integrated Events &amp; Project Management (DEPM)</td>
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<tr>
<td>Interior Design (DDI)</td>
<td>S89</td>
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<tr>
<td>International Business (DIB)</td>
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<tr>
<td>Landscape Architecture (DLA)</td>
<td>S94</td>
<td>17</td>
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<tr>
<td>Marine Engineering (DMR)</td>
<td>S63</td>
<td>16</td>
</tr>
<tr>
<td>Maritime Business (DME)</td>
<td>S74</td>
<td>16</td>
</tr>
<tr>
<td>Mechanical Engineering (DME)</td>
<td>S91</td>
<td>18</td>
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<tr>
<td>Mechatronics and Robotics (OMRIO)</td>
<td>S73</td>
<td>22</td>
</tr>
<tr>
<td>Media and Communication (DMC)</td>
<td>S86</td>
<td>13</td>
</tr>
<tr>
<td>Music &amp; Audio Technology (DMAT)</td>
<td>S97</td>
<td>12</td>
</tr>
<tr>
<td>Nautical Studies (DNS)</td>
<td>DNS</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

* offered only under the Direct Admissions Exercise (DAE)

Nutrition, Health & Wellness (DNHW) | S44 | 13 |
Optometry (DOPT) | S67 | 13 |
Perfumery and Cosmetic Science (DPCS) | S38 | 12 |
Tourism and Resort Management (DTRM) | S55 | 12 |
Visual Communication and Media Design (DVMD) | S93 | 15 |
Visual Effects and Motion Graphics (DVEMG) | S39 | 16 |

2013 JAE ELR2B2 for SP DIPLOMA COURSES

The 2013 JAE ELR2B2 refers to the aggregate score of the lowest-ranked students who were successfully admitted to individual SP diploma courses.

For highlights of SP diploma courses and the career paths or university options thereafter, please scan this QR code:

Eco Oasis – a green and tranquil social space in SP.
SCHOLARSHIPS

SP offers scholarships to those who have done well at the ‘O’ level exams or during the first year with us. Many of our former scholars have progressed to greater heights and secured scholarships with universities or external organisations.

These include scholarships from Nanyang Technological University, National University of Singapore, Singapore Management University, Singapore Institute of Technology, Singapore University of Technology and Design, Harvard University, A*STAR, Infocomm Development Authority, Media Development Authority of Singapore, Public Service Commission, Singapore Armed Forces, Urban Redevelopment Authority, Defence Science & Technology Agency and many more.

The SP Scholarship
- Open to the first and second year students.
- Includes a bond-free tuition fee sponsorship and notebook allowance.
- Participation in the SP Outstanding Talent (SPOT) programme (refer to next page).

The SP Engineering Scholarship
- Open to the first and second year students with a passion for Engineering.
- Includes a bond-free tuition fee sponsorship and notebook allowance.
- Participation in the SP Outstanding Talent (SPOT) programme (refer to next page).
- Participation in R&D programmes and engineering conferences locally and overseas.

The SP-ITE Scholarship Scheme
- Open to outstanding ITE graduates taking full-time diploma courses at SP.
- Includes a bond-free tuition fee sponsorship and notebook allowance.
- Participation in the SP Outstanding Talent (SPOT) programme (refer to next page).

SP Music & Arts Scholarship
- Open to students who excel in Music and Arts at the national or combined schools or higher level.

SP Sports Scholarship
- Open to students who excel in Sports at the national or combined schools or higher level.

More Scholarships!
Besides SP scholarships, there are many other scholarships and awards schemes offered by external organisations that SP students could apply for. These include companies and organisations such as Challenger, Infocomm Development Authority, Keppel, Land Transport Authority, Microsoft, Redhat, SemCorp, Maritime and Port Authority of Singapore and Public Utilities Board.

In 2013, SP students clinched the lion’s share of 24 out of the 40 Integrated Infocomm Scholarships (IS) offered by the Infocomm Development Authority of Singapore to polytechnic students.

In 2013, SP students visited the Google headquarters (top photo) and the Computer History Museum in California.
Our records show that close to 70% of our graduates in the past five years proceeded to join a university either locally or overseas. Besides the local publicly-funded universities – Nanyang Technological University, National University of Singapore, Singapore Management University, Singapore University of Technology and Design, Singapore Institute of Technology – our graduates have obtained admission into renowned foreign institutions that include Harvard, Cambridge, Imperial College, Massachusetts Institute of Technology and Purdue, among others.

That’s not all. Many of them made their parents proud by clinching scholarships to study at universities. Most of the overseas universities, such as those in Australia and United Kingdom, give generous advanced standings to our graduates, allowing them to complete their degree programmes in two years.

You name it, they are there. Our graduates are in various disciplines in the universities, including the ones that are known to have tough admissions criteria – Law, Dentistry and Medicine.

Besides these, our graduates also pursue degree programmes in Architecture, Accountancy, Business, Design, Engineering, Humanities, Information Technology, Liberal Arts, Life Science, Media, Social Science... the list goes on.

There are many fine examples of our graduates switching disciplines when they joined the universities. For example, we had a Biotechnology graduate who achieved first-class honours in Accountancy at NTU, and another engineering graduate who has completed his medical studies in Australia.

And life does not stop at an Honours degree. Many have continued their academic pursuits by taking up Masters and PhD programmes. Currently, we have three SP graduates who are pursuing their PhD under the A*STAR scholarship.

Outstanding SP graduates (clockwise from left): Selene Bay (SMU with Lee Kong Chian scholarship); Leong Hei Kern (going to SUTD with Public Service Commission Scholarship); Farhana Bte Ja’afar (graduated with 1st class honours from NTU); SP graduates awarded the Nanyang Scholarship by NTU in 2013; Ong Clinton (University College London with Maritime Port Authority Scholarship); Tan Shi Hui (University College London with National Infocomm Scholarship).
Joint Admissions Exercise (JAE)

The Joint Admissions Exercise (JAE) is coordinated by the Ministry of Education (MOE) for Singapore-Cambridge GCE ‘O’ Level holders. Registration for courses opens at 3.00pm on the day of the release of the ‘O’ Level results and lasts for five calendar days. The JAE booklet (application procedures, information on entry requirements, etc.) will be made available to students when they collect their ‘O’ Level results.

During the JAE period, our counsellors will be at our JAE Centre to answer students’ questions and advise them on the tertiary opportunities available at SP. We also make available Internet access for them to make their on-line application after they have made their decision. Course counselling is also available for GCE ‘O’ level school leavers during the JAE period at the SP Convention Centre. Do check out SP website for details on this.

The JAE is open to Singaporeans or Permanent Residents with Singapore-Cambridge GCE ‘O’ Level results of 2013 or earlier years, and non-Singaporeans from a government, government-aided and independent school (excluding private schools) with Singapore-Cambridge GCE ‘O’ Level results of 2013.

Eligible candidates may apply online through the Ministry of Education’s JAE Internet System (JAE-IS). They will require either a JAE-PIN or a valid Singapore NRIC or passport to access the JAE-IS. The JAE-PIN will be issued to all 2013 ‘O’ Level holders who are eligible to participate in the JAE, and is stated in the Form A, which they will receive from their secondary school or by post for private candidates on the day of announcement of the ‘O’ Level results.

Application details can be found in the JAE Information Booklet. The booklet is also available online at the JAE website.

Joint Polytechnic Admissions Exercise (JPASE)

The Joint Polytechnic Admissions Exercise (JPASE) is conducted throughout the year for students who are eligible for admission to a polytechnic.

The JPSAE caters to 2 groups of applicants:
1. Those applying based on special talents (Arts, Sports, Leadership, Community Service, Entrepreneurship) or those demonstrating a strong passion / aptitude through work attachments, sustained involvement in course-related areas, outstanding performance in projects or competitions like the Maths / Science Olympiad, or attainment of external accreditations. E.g. Those who have done well in the LCCA or other relevant exams can be considered for the Diploma in Accountancy.

2. Those applying for specific courses with special course-related requirements. Please visit our SP website for details.

Applicants for the Joint Polytechnic Special Admissions Exercise (JPASE) are required to:
1. Demonstrate a strong passion or aptitude through work attachments; sustained involvement in projects; and outstanding performance in competitions e.g. Maths/Science Olympiads.

2. Possess exceptional talent in areas such as:
   - Sports: Applicant has obtained awards or achievements at zonal / national sports competitions; or Applicant is a national player.
   - Arts: Applicant has obtained awards or achievements at national arts events (e.g. SYAAP / SAA); or Applicant is a performer for an arts group (e.g. Singapore National Youth Orchestra, Theatreworks etc.).

3. Have completed the Polytechnic Foundation Programme (PFP).

Joint Polytechnic Special Admissions Exercise (JPSAE)

The Joint Polytechnic Special Admissions Exercise (JPSAE) considers students for admission based on a broader measure of merits beyond performance in the Singapore-Cambridge GCE ‘O’ Level examination.

If the student demonstrates a strong passion or aptitude for a course through work attachments, sustained involvement in projects and outstanding performance in competitions like the Maths / Science Olympiad, he / she will be considered under the JPSAE. Or if he / she has special talents and abilities in Sports, Games or Performing Arts or held leadership positions, and is passionate about learning, then SP is the place for him / her.

Direct Polytechnic Admission (DPA)

DPA allows ‘O’ level students who have the interest and aptitude to join a polytechnic can apply and secure a place in a polytechnic before sitting for their ‘O’ level. They will then join the polytechnic in February ahead of others and go through the Polytechnic Preparatory Programme (PPP). DPA students will get credit transfer for relevant PFP modules completed in the diploma course.

It is open to all final-year secondary school students in Express and Normal (A) streams. Eligible students will be selected on the basis of their abilities, talents and interests related to the course that they are applying for. For example, if the student has film and video production skills, SP will take that into consideration when he/she applies for a course such as Diploma in Media and Communication or Diploma in Digital Animation. Shortlisted candidates are required to attend an interview.

Upon admission to SP through DPA, students have to meet the following admission criteria:
- Obtain not ELR2B2 score of not more than 26 points in the ‘O’ level exam;
- Meet the Minimum Entry Requirements for the course they are applying for;
- Certified to pursue the course.

Application for DPA is usually open around early July.

Polytechnic Foundation Programme (PFP)

The Polytechnic Foundation Programme (PFP) is open to Normal Academic (NA) students who are interested to join a polytechnic. Instead of heading to Sec 5, these students can choose to embark on a one-year practice-oriented curriculum in a polytechnic.

The programme is offered to eligible Sec 4 NA and will better prepare them and will better prepare them for admission into the polytechnic diploma course that they are interested in. A successful admission into this programme will give them a provisional place in the diploma course of their choice, subject to them passing all modules in the PFP curriculum.

The entry requirements for the PFP are as follows: raw BLMM04 aggregate score at the GCE ‘O’ level of at least 17 points or higher; ELR2/ELR3 / English Language; Mathematics - Best 3 subjects (which also include one of the relevant subjects based on the Diploma Foundation Programme). All the Polytechnic Diploma Courses offered by SP are subject to PFP Application results.

Polytechnic Diploma Courses are offered to students who are interested to join a polytechnic. Instead of heading to Sec 5, they can choose to embark on a one-year practice-oriented curriculum in a polytechnic.
The authentic and unique learning experience that SP offers stimulates our students towards achieving their aSPirations.

The Design Thinking approach to learning
SP is the first poly to adopt this pedagogy which is now the rage in the west. Our students are trained to adopt a design perspective in their learning. We partner Rotman DesignWorks of the Rotman School of Management, Canada, one of the best business schools in the world, to incorporate Design Thinking into our curriculum.

Hands-on, real-world experience
SP provides authentic learning experiences that inspire our students towards excellence. They get to participate in local and overseas projects or competitions. These experiences will beef up their resumes when they apply for jobs. From banks to aerospace companies in Singapore or overseas, our students gain real world experiences with renowned companies during their industrial attachment programmes that can last up to six months.

Unique overseas exposure
All polytechnic students get opportunities for overseas exposure. What SP offers is the unique experience that challenges our students to face the real world. They could be heading for an internship in Beijing with the world’s biggest aircraft engine manufacturer, implementing social enterprise projects in a village in India or conducting scientific research with professors in Harvard or Yale. They could be attending a credit transfer programme in the USA, competing for technological glory at the famed Massachusetts Institute of Technology or taking part in a world-class exhibition in Milan. These are real opportunities that will bring out their inner potential.

Holistic development
With over 120 CCA clubs, our students can build up an inner aspiration towards their passion in arts, music, sports or any other interests. SP will be the first poly to implement a compulsory physical education programme where they can pick up activities such as swimming, golfing or even modern dance.

Diploma-Plus
SP offers the Diploma Plus programme where students can take up additional modules to enhance their core learning. They will be rewarded with a Certificate that will give them a competitive edge when they apply for further studies or start work.

General Education
Learning should not be confined to the knowledge relevant to the course that a student is pursuing. With the GenEd course, our students become aware of developments across multiple disciplines and develop a keen perspective on local and global issues. They learn to form sharp, balanced critiques of past and current events and trends; forecast the revolutions of the future and articulate their views persuasively.
LIFE @ SP

Co-curricular Activities (CCAs) at SP are an integral part of the SP experience. Although it is not compulsory to join any CCA clubs, we encourage all students to be active in CCA participation. With more than 120 CCA clubs, there are ample opportunities for them to pursue their passion beyond their diploma courses.

Sports, music, arts, dance, interest or service groups – SP embraces almost all the interests of our youth today.

Our Dragonboat, Gusto! Cheerleading and Dikir Barat teams are the top of their class. Similarly, SP Teams in Badminton, Bowling, Tennis, Table Tennis, Rugby, Squash, Tchoukball, Volleyball and Weiqi have been victorious in sports tournaments locally and abroad.

Be amazed! They can do what they like to do - Photography, Astronomy, Jazz Band, String Ensemble, Symphonic Band, Daiko Drums, Violin-Up, DanceSport, DeeJay, Comperes, Lion Dance, Stage Management, Rock Climbing, Slat, Swimming, Canoeing, Scuba diving, Wakeboarding, Archery, Cycling, Muay Thai, Wushu – the list goes on and on. If there’s something that they are deeply passionate about that is not on our list, they can find some like-minded friends, make a proposal and possibly become pioneers of this new club.

Camps are organised regularly to develop the leadership potential of SP students. A progressive programme called LEAP aims to develop students’ potential in various aspects of leadership and help them clinch the National Youth Achievement Award (NYAA) after the programme. At different levels, SP students could participate in local and overseas programmes under LEAP such as the Foundation Leadership Programme, Leaders of Tomorrow Camp, Outward Bound School, and Overseas Community Service. In 2013, one of the interesting leadership training programmes involved scaling the peaks in Nepal.

The facilities in SP are constantly upgraded to serve the needs of the CCA clubs. Courts for various sports such as basketball, tennis, squash; an Olympic-sized swimming pool, a fully-equipped gym, dance studios, jamming rooms, club rooms and more – they are all there for you to express yourself. You can even bowl at the SP Graduates Guild where SP students can play at a very low rate.

Coming up soon is an exciting new building that will house a brand new Sports Hall with tennis courts on the rooftop!

Students who are outstanding in CCAs will be recognised at the annual Excellence Awards. Those who chalked up impressive points will graduate with Gold with Honours in their CCA grading. This could be a bonus advantage when applying to universities.

Sports for Life
SP will gradually introduce Sports for Life, a compulsory physical education programme for all students. Fret not! They will not be asked to run round the fields. Under this programme, they can opt to choose from an interesting array of land, water and adventure sports that include swimming, lifesaving, hip hop dance, yoga, pilates and rock climbing.

The programme requires a commitment of just two hours per week for one semester, and it would be the perfect opportunity to discover or hone a new sports interest, besides bringing up the fitness level of SP students.

To nurture their leadership skills, SP students attend overseas camps such as the Advanced Leap Camp in Nepal.
WE DEVELOP IN OUR STUDENTS THE HEART TO SERVE.

Our students actively participate in numerous local and overseas community service programmes. During the Freshmen Orientation Camp, every newly-enrolled student has to participate in the Flag Day where they help to raise funds for charities under the President’s Challenge and Mercy Relief, a humanitarian organisation. Several student clubs are also actively helping needy primary and secondary school students by providing them with free tuition.

Some of the overseas community projects that our students are also involved in include setting up social enterprise projects in the Philippines, building home shelters in Indonesia, teaching English to village children in China or conducting eye tests for villagers in Sri Lanka.

Team SP has won the Enactus National four times since 2008, including 2012. Enactus, formerly known as SIFE (Students in Free Enterprise), is an international non-profit organization that works with business leaders and tertiary institutions to engage students in social enterprise projects and nurture them into socially responsible leaders. Last year, the SP Enactus Team went to Washington D.C. to compete in the international finals. Over the years, the SP Enactus Teams have implemented social enterprise projects in India, Indonesia and the Philippines which have developed into profitable small businesses for villagers in these countries.
Since 2008, SP has embarked on an intensive campus rejuvenation programme that has transformed the school campus into a vibrant and eco-friendly environment. The campus makes full use of the natural lush greenery to become a tranquil environment with generous learning and social spaces. It is no wonder that our students are staying later into the evenings to soak in the conducive surroundings.

**The President’s Award for the Environment –**
SP is the first polytechnic to be conferred the highest honour for environmental sustainability.
Which diploma to take? The first step is to find out what their passion is. SP diploma courses are tailored for students to develop their passion further. If they like writing and hope to be journalists, then the Diploma in Media and Communication will suit them. Or if they have a fascination for aircraft technology, then the Diploma in Aeronautical Engineering or Aerospace Electronics will suit them. The modules in every diploma course are carefully structured to enable them to be equipped with the knowledge and skills relevant to their passion.

What is the learning journey like in SP? Besides the theoretical knowledge and hands-on training relevant to the diploma, students are also exposed to the real world through programmes such as industry visits, study trips and internship programmes where they will get a feel of the real world. Participation in competitions and exhibitions will give them a sense of accomplishment besides training them in research and presentation skills.

What are the opportunities for further education? More than 70% of SP graduates proceed on to universities to get a degree, either locally or overseas. With the SP diploma, our students can get advanced standings or exemptions at local and foreign universities. For example, outstanding engineering graduates can proceed directly to the second year when they study engineering at NTU or NUS. Some overseas universities in Australia and United Kingdom give generous advanced standings and our graduates can get a degree in two years.

Can an SP graduate get into prestigious degree programmes in universities? If they perform very well in SP, they stand a good chance to clinch a place in specialised degrees such as medicine, pharmacy, dentistry and law. Our graduates have been accepted into these degree programmes.

What about those specialised degree programmes after SP? Polytechnic graduates can choose to apply for the various degree programmes offered by the Singapore Institute of Technology (SIT) in partnership with reputable foreign universities. The two-to-three year degree courses are conducted in Singapore.

The following specialised degree programmes are hosted in SP:
- Bachelor of Science in Chemical Engineering / Technical University of Munich (TUM)
- Bachelor of Science in Electrical Engineering and Information Technology / Technical University of Munich (TUM)
- Bachelor of Engineering (Honours) in Aeronautical Engineering / University of Glasgow, UK
- Bachelor of Engineering (Honours) in Aerospace Systems / University of Glasgow, UK
- Bachelor of Science in Computer Science in Real-Time Interactive Simulation / DigiPen Institute of Technology
- Bachelor of Science in Game Design / DigiPen Institute of Technology
- Bachelor of Arts in Game Design / DigiPen Institute of Technology

What about university and other scholarships? With good results, SP graduates can apply for various scholarships offered by public and private organisations. The first polytechnic student to receive the Public Service Commission (PSC) Scholarship graduated from SP. Many of our graduates have received scholarship offers from local and foreign universities, including prestigious ones like the C N Yang Scholarship from NTU, the Global Merit Scholarship from NUS, the Lee Kong Chian Scholarship from SIM, and the Harvard Scholarship. Our graduates have also been offered prestigious government scholarships such as the Public Service Commission (PSC) Scholarship, SAF Merit Scholarship, the Defence Science and Technology Agency Scholarship and Urban Redevelopment Authority Scholarship. Many more have successfully clinched scholarships from private companies.
JAE 2014
All that you need to know and other admission exercises:

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 one’s choice will depend on merit, i.e., his/her ‘O’ Level aggregate score, followed by the ranking of his/her choices.

JAE Application Procedure
On the day of the release of the GCE ‘O’ Level results, your student will receive from your secondary school the following:
- GCE ‘O’ Level Results
- Form A
- JAE 2014 Information Booklet

What to do next?
- 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, e.g. S88.
- Mark out those SP courses that he/she is really passionate about.
- Visit SP for Course Counselling located at the SP Convention Centre after he/she has received his/her results. Have a chat with the lecturers who will provide valuable advice on what each diploma course is about. Course counselling is open throughout the JAE application period.
- When he/she has decided on the 12 choices, he/she can make his/her online application at home or apply online at SP during the JAE if he/she needs further advice.
- Complete all 12 choices. Don’t waste any of the choices.
- Verify the 12 choices and click the ‘Submit’ button. After submission, print out the verification slip – this is the proof of the application.

Other Admission Exercises
Teachers, please take note that besides JAE, there are also other admission exercises for those applying to the polytechnics.

Joint Polytechnic Special Admissions Exercise (JPSAE) is also for those who sat for the 2013 GCE ‘O’ level examinations at the MOE secondary schools who apply based on their special talents beyond their ‘O’ level results, such as arts, sports, leadership or community service. Those who are applying for courses with specific requirements can also apply under this exercise. JPSAE applicants must at the same time also apply for admission under the JAE.

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

Direct Admissions Exercise (DAE) is for ex-polytechnic students and students who are holders of the GCE ‘A’ Level or international qualifications.

Direct Polytechnic Admission (DPA). This is for final-year secondary school students to apply for and confirm a place in a polytechnic course of their choice before sitting for the GCE ‘O’ Level exam. Application period is usually in July.

More details on the various admission exercises are available on SP website. You can also refer to page 10 and 11 in this guide.
CRITICAL INFORMATION ABOUT JAE

Admission Criteria
Admission to polytechnic courses is based on meeting the Minimum Entry Requirements (MERs), the ELR2B2 aggregate score and the available vacancies. The ELR2B2 aggregate score refers to the ‘O’ level results for English Language, two Relevant subjects and two other Best subjects. CCA points can be counted as bonus points only after computing the ELR2B2 aggregate score. An ‘A’ Grade CCA will get 2 bonus points and ‘B’ and ‘C’ grades will get 1 bonus point. For example, if the ELR2B2 aggregate score is 10 points and the student’s CCA is A, his net ELR2B2 aggregate score becomes 8 points.

Tips on Making The Right Choice
Every JAE applicant will be given 12 choices. You can help your student make informed choices. It is very important for your student to have a passion for the choices that he is making instead of following where his friends are going and ending up with the wrong choice.

Your student can still put his favourite SP diploma course as his first choice even though he does not meet last year’s course JAE ELR2B2.

As there are 12 choices your student can make, he is advised to place as his first choice, the course that he really wants to get into. For his next 5 choices, he can also place courses that have a 2013 JAE ELR2B2 that is close to his aggregate score. For his last 6 choices, he should choose courses that he stands a good chance of getting into; that is, his aggregate score should be within last year’s JAE ELR2B2 for these courses.

Complete all 12 choices; don’t waste any of them.

JAE ELR2B2
Each SP diploma course has a JAE ELR2B2 (refer to page 5). You can use this as a guide to see if your student stands a chance of getting into the desired course. Remember to use this as a guide only. You should still encourage your student to apply for the SP diploma course of his / her choice if his / her aggregate score is close to the 2013 JAE ELR2B2.

JAE Form A
Your student will receive the JAE Form A (see on right page) and the JAE Booklet from the secondary school after the GCE ‘O’ level results are released. The Form A will indicate the diploma courses that each student can apply for. See example on next page.

Subject code and grades based on your results.

ELR2B2
ELR2B2 refers to the different aggregate types for the poly courses.

Course codes beginning with ‘S’ are SP courses that you can apply for. For example, “S88” refers to SP’s Diploma in Aeronautical Engineering.
HERE IS AN EXAMPLE OF A JAE APPLICATION.

Jack Tan has an ELR2B2 aggregate score 12 points. He is interested to do a business diploma in SP. Here are his top six choices.

<table>
<thead>
<tr>
<th>Choices</th>
<th>Diploma Course</th>
<th>2013 JAE ELR2B2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>SP - Business Innovation &amp; Design</td>
<td>10</td>
</tr>
<tr>
<td>2nd</td>
<td>SP - International Business</td>
<td>7</td>
</tr>
<tr>
<td>3rd</td>
<td>SP - Banking and Finance</td>
<td>11</td>
</tr>
<tr>
<td>4th</td>
<td>SP - Accountancy</td>
<td>12</td>
</tr>
<tr>
<td>5th</td>
<td>SP - Business Administration</td>
<td>12</td>
</tr>
<tr>
<td>6th</td>
<td>SP - Financial Informatics</td>
<td>12</td>
</tr>
</tbody>
</table>

His first choice is SP's Diploma in Business Innovation and Design (DBID), and the JAE ELR2B2 for this course in 2013 was 10. Even though his aggregate score is 2 points outside of the JAE ELR2B2, he can still put the DBID course as his first choice as he is very interested in the course.

All applicants have a ranking in the JAE system. When it is Jack’s turn to be posted to a course and the system checks for places available (in 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, remember, the published JAE ELR2B2 is for the 2013 Joint Admissions Exercise.

The aggregate score of the last applicant posted into a course in 2014 will determine the 2014 JAE ELR2B2.

Remember, the JAE ELR2B2 is only a guide as it depends on the performance of each cohort.

Making optimal use of the 12 choices

- Use 2013 JAE ELR2B2 as a guide
- Do not rule out a course if your ELR2B2 aggregate score is outside the previous year’s JAE ELR2B2
- Rank your choices – course / institution
- Include a course that you stand a good chance of getting into
- Use your 12 choices wisely and realistically

I must make the RIGHT CHOICE!

Applying under JPSAE

Let’s say Jack has competed in a business entrepreneurship subject competition. Or he is strong in a particular sport and is a member of the national team in tennis or dragonboat. Jack can also apply for the SP diploma courses that he likes and demonstrate to the selection panel his talents in these areas via his application in JPSAE even though he did not meet last year’s JAE ELR2B2. The JPSAE will open an additional door to help those with special talents or achievements to get their dream course despite not meeting the JAE ELR2B2.
TEACHER’S GUIDE

Frequently Asked Questions (FAQs)

SP Admissions Hotline: 6772-1882
Admissions Email: admissions@sp.edu.sg
Website: sp.edu.sg

About Joint Admissions Exercise
What is the basis of selection in the Joint Admissions Exercise (JAE)?
Selection is based first 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 aggregate scores will have a better ranking and therefore a better chance of getting their first choice course.

For example, if your student has an ELR2B2 aggregate score of 7 and puts down as his first choice SP’s Diploma course in Biomedical Science which has a JAE ELR2B2 of 8. He stands a better chance than his classmate who has 7.5 points but puts it as first choice.

Will the order of choices as listed determine whether my student gets into a particular course?
The way your student lists down his 12 choices indicates his preference. Depending on his aggregate score (and hence, ranking, in order of applicants), he will then be considered for each course, one by one, as listed in his order of preference. This means he will be first considered for his first choice, failing which, it will be the second choice and so on.

If my student lists a particular course, for example the Diploma in Biotechnology as his third choice, but another student lists the same course as his first choice, will this applicant then take precedence over the first student for entry to this course, despite having a worse aggregate score than the first student?
No. The first student will still have precedence if his ELR2B2 aggregate score is better than the second student. Therefore, if the first student is unsuccessful for entry to his first and second choice of courses, he will be posted to the Diploma in Biotechnology as this is his third choice (subject to vacancies).

If my student does not have the minimum English Language grade for the course he wants, can he still apply for the course?
Your student cannot apply for that particular course under the JAE as he is not eligible. However, he may apply through SP’s Direct Admissions Exercise (DAE), provided he fulfills the following requirements: he has scored distinctions in Mathematics and one other subject; has a minimum ‘B’ grade for the relevant subject (as stated in the course entry requirements) and has a good aggregate score. He is advised to also apply for the courses that he is eligible for under the JAE.

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 my student in his studies?
Subjects are offered as modules. Upon completion of the module in one semester, the SP student will take an examination on the module. A key benefit of SP’s modular system is that a student needs only 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 in 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. Every year, SP also honours achievements at the annual Excellence Awards.

About Student Life
How long is each semester?
The new academic session begins in April. There are two semesters of 15 weeks each. There is a short mid-semester break of two to three weeks in June and December and a semester vacation of four to six weeks in September-October.

How much time do SP students spend on campus each day?
As a tertiary institution, the timetable is flexible. There are no structured classroom lessons like in secondary school. Instead, students move from lecture theatres to tutorial rooms or from laboratories or workshops to classrooms. The first lecture of the day may begin at 8am and most classes end by 5pm. In between, there may be stretches of free time for students to read up on their work. Many of our students remain on campus after classes for sports, student club programmes and other recreational activities.

Where can my child go for advice on choice of course and career?
SP will soon set up the Inspiring Careers and Further Education Centre (iCare), located at T16 Level 1, just a short walk away from the Dover MRT Station. It provides information on SP courses and entry requirements, local and overseas university brochures, accreditation database, career information and job vacancies. Our qualified staff will guide you in making an informed course / career choice. You can also email your queries to scsl@sp.edu.sg.

Are there any opportunities for overseas exposure?
There are plenty of opportunities for SP students to travel overseas for educational, recreational, immersion or community service experiences. These opportunities are not confined to any particular course of study and could arise from various organised groups including SP’s student clubs, and even external, national or international bodies.

For instance, there are exchange programmes to countries like Japan, Korea, and Thailand; overseas immersion and credit transfer programmes in China, Finland and United States, and community service programmes in Vietnam and Philippines. We have sent our students for international competitions in cities such as Bangkok, London and Berlin.

Under the SPs Credit Transfer Scheme and Overseas Industrial Programme, students have wonderful opportunities to broaden their educational experience in Asia, Europe and United States.

Is sport or physical education a must in SP?
Every student is strongly encouraged to take part in sports and outdoor activities. If the student is not involved in any SP sports team, he can still have a variety of instructional sports electives like aerobics, canoeing, jogging, squash, tennis and swimming to choose from. These activities count towards his Co-Curricular Activities (CCA) points. There is also the NAFA test which is compulsory for all first-year students. This also applies to those who have completed National Service and female students.

SP has launched the Sports for Life programme which aims to gradually make physical education compulsory for all students. Under this programme, students can take up sports such as swimming, lifesaving, yoga, hip hop dance and rock climbing.

About Fees
What is the tuition fee like?
A student’s full-time education is subsidised by the Government of Singapore. However, to help students pay part of the training cost, the government, through the Ministry of Education, provides tuition grants to all full-time students. The current tuition fee for Singaporean full-time students is $2,428. The tuition fees and grant amount are subject to revision every year. Fees for academic year 2014-15 are not available at the time of printing of this publication.

What if a student has financial difficulties?
Various financial assistance schemes such as scholarships and bursaries, tuition grant schemes, tuition fee loan schemes, study aids, Mendaki tuition fee subsidies etc. are available to full-time students. Students can visit the Department of Student Services at T16 Level 1 or call 6772-1707 or 6870-8220 to make an appointment to see the officer-in-charge of financial assistance. Remember, no child will be denied an SP education because of financial difficulties.
As Singapore’s first and most established polytechnic, SP has an outstanding track record spanning almost 60 years.

The achievements of more than 172,000 graduates in industry, academia, R&D and government service testify to the value and quality of our education.

Our graduates are in strong demand, many of them pursuing successful careers in private and public organisations.

About two-thirds of our graduates continue on to local and overseas universities; many of them also clinch prestigious scholarships or proceed to post-graduate programmes.

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