

ENTRY REQUIREMENTS OF COURSES TO SINGAPORE POLYTECHNIC

SECTION

4e

SINGAPORE
POLYTECHNIC



To be eligible for consideration for admission to the various courses in Singapore Polytechnic, applicants must obtain 26 points or better for the net ELR2B2 aggregate score (i.e. English Language, 2 relevant subjects and best 2 other subjects, including CCA Bonus Points) and meet the minimum entry requirements as shown in the table of courses in this section. CCA cannot be used to meet the minimum entry requirements.

The 2009 JAE COP (Cut-Off Points) as shown in this section, i.e. the net ELR2B2 aggregate score of the lowest ranked students who were admitted to these courses through the 2009 Joint Admissions Exercise (JAE), are meant as a reference for applicants applying to these courses and **do not** constitute the admission scores for subsequent admission exercises.

Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements								
BUILT ENVIRONMENT												
Architecture	S66	D	17	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Art / Art & Design • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Higher Art • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6
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Hotel & Leisure Facilities Management <u>Specialisations:</u> <ul style="list-style-type: none"> • Hotel & Leisure Management • Property Facilities Management 	S95	C	18	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Art / Art & Design</td> <td></td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Design & Technology</td> <td></td> </tr> <tr> <td> • Higher Art</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Art / Art & Design		• Biology		• Chemistry		• Combined Science		• Design & Technology		• Higher Art		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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BUSINESS, FINANCE & LAW												

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Accountancy Specialisations: <ul style="list-style-type: none"> Business Development Finance Information Technology Integrated Accounting Practice International Business 	S75	B	12	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> Art / Art & Design Business Studies Combined Humanities Commerce/Commercial Studies Economics Geography Higher Art Higher Music History Introduction to Enterprise Development Literature in English/Chinese/Malay/Tamil Music Principles of Accounts 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6
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Banking & Financial Services Specialisations: <ul style="list-style-type: none"> Banking Financial Trading 	S76	B	12									
Business Administration Specialisations: <ul style="list-style-type: none"> Entrepreneurship Human Resource Management International Business & Trade Marketing Management Retail Management Logistics and Supply Chain Management 	S71	B	13									
Financial Informatics Specialisations: <ul style="list-style-type: none"> Accounting Finance 	S46	C	13	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> Additional Combined Science Additional Science Biology Chemistry Combined Science Computer Studies Creative 3D Animation Design & Technology Engineering Science Food & Nutrition Fundamentals of Electronics General Science Human & Social Biology Integrated Science Physical Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry) Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6
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Human Resource Management with Psychology	S48	B	12	<p style="text-align: center;"><u>Subject</u> <u>Grade</u></p> <p>a) English Language 1-6</p> <p>b) Mathematics (Elementary/Additional) 1-6</p> <p>c) Any three other subjects 1-6</p> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Art / Art & Design • Business Studies • Combined Humanities • Commerce/Commercial Studies • Economics • Geography • Higher Art • Higher Music • History • Introduction to Enterprise Development • Literature in English/Chinese/Malay/Tamil • Music • Principles of Accounts
International Business (New Course in JAE)	S36	B	-	
Tourism and Resort Management	S55	B	11	
CHEMICAL & LIFE SCIENCES				
Applied Chemistry with Pharmaceutical Science ③	S64	C	18	<p style="text-align: center;"><u>Subject</u> <u>Grade</u></p> <p>a) English Language 1-7</p> <p>b) Mathematics (Elementary/Additional) 1-6</p> <p>c) One of the following 3rd relevant subjects: 1-6</p> <ul style="list-style-type: none"> • Chemistry • Combined Science • Physical Science • Science (Chemistry, Biology) • Science (Physics, Chemistry)
Biomedical Science ① ③ Specialisations: • Cardiac Technology • Medical Technology	S98	C	9	<p style="text-align: center;"><u>Subject</u> <u>Grade</u></p> <p>a) English Language 1-7</p> <p>b) Mathematics (Elementary/Additional) 1-6</p> <p>c) One of the following 3rd relevant subjects: 1-6</p> <ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Physical Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)
Biotechnology ③	S72	C	12	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Physical Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

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Food Science & Technology ③	S47	C	14	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Biology		• Chemistry		• Combined Science		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)			
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Materials Science (New Course in JAE)	S37	C	-	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Design & Technology</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Biology		• Chemistry		• Combined Science		• Design & Technology		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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Perfumery and Cosmetic Science <i>(New Course in JAE)</i>	S38	C	-	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> Biology Chemistry Combined Science Physical Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry) </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> Biology Chemistry Combined Science Physical Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry) 			
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Aeronautical Engineering ©	S88	C	12	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> Combined Science Physical Science Physics Science (Physics, Biology) Science (Physics, Chemistry) </td> <td></td> </tr> <tr> <td>d) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> Combined Science Physical Science Physics Science (Physics, Biology) Science (Physics, Chemistry) 		d) Any two other subjects	1-6
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Bioengineering	S58	C	16	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Design & Technology • Fundamentals of Electronics • Physical Science • Physics 								
Clean Energy ⑥	S45	C	17	<ul style="list-style-type: none"> • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 								
<p>Common Engineering Programme (New Course in JAE)</p> <p>At the end of the first semester, students will opt for one of the following courses:</p> <ul style="list-style-type: none"> • Aeronautical Engineering ⑥ • Aerospace Electronics ⑥ • Bioengineering • Clean Energy ⑥ • Computer Engineering ④ • Electrical & Electronic Engineering ③ • Mechanical Engineering • Mechatronics and Robotics ③ 	S40	C	-	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Biology * • Chemistry * • Combined Science • Design & Technology * • Fundamentals of Electronics * • Physical Science • Physics • Science (Chemistry, Biology) * • Science (Physics, Biology) • Science (Physics, Chemistry) <p>Note: * - At the end of the first semester, those offering these subjects as the 3rd relevant subject cannot opt for the Dip in Aeronautical Engineering (S88). This course also requires that applicants offer an additional 2 other subjects with Grades 1 – 6.</p>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements												
Computer Engineering ④ Specialisations: <ul style="list-style-type: none"> • Business • Computer Applications • Computer Systems • Networking • Security 	S53	C	19	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Computer Studies • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) </td> <td></td> </tr> </tbody> </table>	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Computer Studies • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 			
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Electrical & Electronic Engineering ③ Specialisations: <ul style="list-style-type: none"> • Aerospace Engineering • Biomedical Engineering • Business • Communication Engineering • Computer Engineering • Control Engineering • Design • Microelectronics • Nano Technology • Power Engineering • Robotics 	S99	C	19	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) </td> <td></td> </tr> </tbody> </table>	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 			
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Engineering with Business	S42	C	14	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) </td> <td></td> </tr> <tr> <td>d) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table>	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Design & Technology • Fundamentals of Electronics • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 		d) Any two other subjects	1-6
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements																														
Environmental Management & Water Technology	S52	C	14	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Design & Technology</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Biology		• Chemistry		• Combined Science		• Design & Technology		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)					
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Information Communication Technology ② Specialisations: <ul style="list-style-type: none"> • Broadband and Security Services • Web Technology and Services 	S85	C	20	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Computer Studies</td> <td></td> </tr> <tr> <td> • Design & Technology</td> <td></td> </tr> <tr> <td> • Fundamentals of Electronics</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Biology		• Chemistry		• Combined Science		• Computer Studies		• Design & Technology		• Fundamentals of Electronics		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)	
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Mechanical Engineering Specialisations: <ul style="list-style-type: none"> • Aeronautical Technology • Mechanical Technology • Precision Engineering • Product Realisation • Resort Facilities Management • Systems Engineering 	S91	C	20	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> • Biology</td> <td></td> </tr> <tr> <td> • Chemistry</td> <td></td> </tr> <tr> <td> • Combined Science</td> <td></td> </tr> <tr> <td> • Design & Technology</td> <td></td> </tr> <tr> <td> • Fundamentals of Electronics</td> <td></td> </tr> <tr> <td> • Physical Science</td> <td></td> </tr> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	• Biology		• Chemistry		• Combined Science		• Design & Technology		• Fundamentals of Electronics		• Physical Science		• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)			
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Mechatronics and Robotics ③	S73	C	22	<table border="0"> <tbody> <tr> <td> • Physics</td> <td></td> </tr> <tr> <td> • Science (Chemistry, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Biology)</td> <td></td> </tr> <tr> <td> • Science (Physics, Chemistry)</td> <td></td> </tr> </tbody> </table>	• Physics		• Science (Chemistry, Biology)		• Science (Physics, Biology)		• Science (Physics, Chemistry)																							
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements														
HEALTH SCIENCES																		
Optometry	S67	C	12	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Physical Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> • Biology • Chemistry • Combined Science • Physical Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) 					
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HUMANITIES																		
Applied Drama and Psychology	S43	B	13	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> <tr> <td colspan="2">Note:</td> </tr> <tr> <td colspan="2"><i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i></td> </tr> <tr> <td> <ul style="list-style-type: none"> • Art / Art & Design • Business Studies • Combined Humanities • Commerce/Commercial Studies • Economics • Geography • Higher Art • Higher Music • History • Introduction to Enterprise Development • Literature in English/Chinese/Malay/Tamil • Music • Principles of Accounts </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-7	c) Any three other subjects	1-6	Note:		<i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i>		<ul style="list-style-type: none"> • Art / Art & Design • Business Studies • Combined Humanities • Commerce/Commercial Studies • Economics • Geography • Higher Art • Higher Music • History • Introduction to Enterprise Development • Literature in English/Chinese/Malay/Tamil • Music • Principles of Accounts 	
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements								
INFORMATION TECHNOLOGY												
Business Information Technology Specialisations: <ul style="list-style-type: none"> • Entrepreneurship • E-Business Services • New Media Marketing 	S82	C	14	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any three other subjects	1-6
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Digital Media	S57	C	18	<table> <thead> <tr> <th>Subject</th> <th>Grade</th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	Subject	Grade	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6
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Infocomm Security Management	S54	C	12	<ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 								
Information Technology Specialisations: <ul style="list-style-type: none"> • Enterprise Systems • Game Development • Hospitality and Tourism • Information Systems 	S69	C	18	<ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 								

Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements								
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MARITIME STUDIES												
Maritime Business	S74	C	18	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: <i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i></p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements														
Marine Engineering ③ Specialisations: <ul style="list-style-type: none"> Offshore Technology Shipboard Operations 	S63	C	17	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) One of the following 3rd relevant subjects:</td> <td>1-6</td> </tr> <tr> <td> <ul style="list-style-type: none"> Biology Chemistry Combined Science Design & Technology Fundamentals of Electronics Physical Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry) </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-6	c) One of the following 3 rd relevant subjects:	1-6	<ul style="list-style-type: none"> Biology Chemistry Combined Science Design & Technology Fundamentals of Electronics Physical Science Physics Science (Chemistry, Biology) Science (Physics, Biology) Science (Physics, Chemistry) 					
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MEDIA & DESIGN																		
Creative Writing for Television and New Media	S41	B	13	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-4</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> <tr> <td colspan="2">Note:</td> </tr> <tr> <td colspan="2"><i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i></td> </tr> <tr> <td> <ul style="list-style-type: none"> Art / Art & Design Business Studies Combined Humanities Commerce/Commercial Studies Economics Geography Higher Art Higher Music History Introduction to Enterprise Development Literature in English/Chinese/ Malay/Tamil Music Principles of Accounts </td> <td></td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-4	b) Mathematics (Elementary/Additional)	1-7	c) Any three other subjects	1-6	Note:		<i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i>		<ul style="list-style-type: none"> Art / Art & Design Business Studies Combined Humanities Commerce/Commercial Studies Economics Geography Higher Art Higher Music History Introduction to Enterprise Development Literature in English/Chinese/ Malay/Tamil Music Principles of Accounts 	
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements								
Digital Animation (New Course in JAE)	S35	D	-	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Art / Art & Design • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Higher Art • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6
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Experience and Product Design	S51	D	17									
Games Design & Development	S56	D	15	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> </tbody> </table>	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7				
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Interior Design	S89	D	17	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: right;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td style="text-align: right;">1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td style="text-align: right;">1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td style="text-align: right;">1-6</td> </tr> </tbody> </table> Note: <i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Art / Art & Design • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Higher Art • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6
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Courses	Course Code	Course Group	2009 JAE COP	Minimum Entry Requirements								
Media and Communication <u>Specialisations:</u> <ul style="list-style-type: none"> • Advertising Creative Services • Radio & TV Production 	S86	B	12	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-4</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any three other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: <i>To be eligible for admission, you must also have sat for at least one of the following subjects:</i></p> <ul style="list-style-type: none"> • Art / Art & Design • Business Studies • Combined Humanities • Commerce/Commercial Studies • Economics • Geography • Higher Art • Higher Music • History • Introduction to Enterprise Development • Literature in English/Chinese/ Malay/Tamil • Music • Principles of Accounts 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-4	b) Mathematics (Elementary/Additional)	1-7	c) Any three other subjects	1-6
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Visual Communication and Media Design	S93	D	14	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-6</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-6</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Art / Art & Design • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Higher Art • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-6	b) Mathematics (Elementary/Additional)	1-6	c) Any two other subjects	1-6
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Visual Effects and Motion Graphics ⑤ (New Course in JAE)	S39	D	-	<table border="0"> <thead> <tr> <th style="text-align: left;"><u>Subject</u></th> <th style="text-align: left;"><u>Grade</u></th> </tr> </thead> <tbody> <tr> <td>a) English Language</td> <td>1-7</td> </tr> <tr> <td>b) Mathematics (Elementary/Additional)</td> <td>1-7</td> </tr> <tr> <td>c) Any two other subjects</td> <td>1-6</td> </tr> </tbody> </table> <p>Note: To be eligible for admission, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Combined Science • Additional Science • Art / Art & Design • Biology • Chemistry • Combined Science • Computer Studies • Creative 3D Animation • Design & Technology • Engineering Science • Food & Nutrition • Fundamentals of Electronics • General Science • Higher Art • Human & Social Biology • Integrated Science • Physical Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) • Science (Physics, Chemistry, Biology) 	<u>Subject</u>	<u>Grade</u>	a) English Language	1-7	b) Mathematics (Elementary/Additional)	1-7	c) Any two other subjects	1-6
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Note: (Singapore Polytechnic)

The Polytechnic Course Groups are abbreviated as follows:

B: Business-Related Courses C: Science & Technology Courses D: Design Courses

- ① The 1st year of S98 (Dip in Biomedical Science) is common and at the end of Year 1, students opt for one of the following programmes:
 - i. Biomedical Science (Cardiac Technology)
 - ii. Biomedical Science (Medical Technology)

- ② The 1st year of S85 (Dip in Information Communication Technology) is common and at the end of Year 1, students opt for one of the following programmes:
 - i. Information Communication Technology (Broadband and Security Services)
 - ii. Information Communication Technology (Web Technology and Services)

- ③ Applicants applying for these courses must ensure that they do not suffer from colour appreciation deficiency.

- ④ Applicants applying for S53 (Dip in Computer Engineering) who are suffering from impairments must be prepared for interviews and to undergo any manual dexterity or aptitude tests.

- ⑤ Applicants with colour appreciation deficiency applying for S39 (Dip in Visual Effects and Motion Graphics) will be required to attend an interview to determine their suitability for admission to the course.

- ⑥ *Applicants applying for these courses must ensure that they do not suffer from either colour appreciation deficiency or hearing deficiency.*

JOINT POLYTECHNIC SPECIAL ADMISSIONS EXERCISE (JPSAE)

Current GCE 'O' level holders who possess exceptional talent in areas such as leadership, community service, entrepreneurship, sports and the arts or demonstrate a strong passion or aptitude through work attachments, sustained involvement in projects and outstanding performance in competitions, may be considered for discretionary admission under the JPSAE based on criteria beyond academic results. Application is via the joint polytechnic online portal @ www.polytechnic.edu.sg/jpsae Short-listed applicants under the JPSAE will be invited for an interview.

DIRECT ADMISSIONS EXERCISE (DAE)

Application for admission to the Diploma in Nautical Studies is conducted as a separate admissions exercise by Singapore Polytechnic. An advertisement on this course will be published in the local newspapers. Interested applicants should apply directly to Singapore Polytechnic.