ENTRY REQUIREMENTS OF COURSES TO 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 "**Net ELR2B2 Range for Previous (2023) JAE**" in the table below shows the **net ELR2B2 aggregate of the highest to lowest ranked students who were admitted to these courses in the 2023 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net ELR2B2 aggregate scores for the courses are not pre-determined by MOE or polytechnics before posting. The eventual course aggregate scores for the 2024 JAE may vary from previous years, depending on students' GCE O-Level examination results and their course choices during the JAE.

Find out about each course at *www.moe.gov.sg/coursefinder*.

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements
APPLIED SCIENCES				
Applied Chemistry **Specialisations:** • Industrial Chemistry • Materials Science • Pharmaceutical Science	S64	ELR2B2-C	4 to 9	Subject — Grade a) English Language — 1-7 b) Mathematics (Elementary/Additional) — 1-6 c) Any one of the following subjects: — 1-6 • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
Biomedical Science **Specialisations:** • Biotechnology • Cardiac Technology • Medical Technology	S98	ELR2B2-C	3 to 7	Subject a) English Language b) Mathematics (Elementary/Additional) c) Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	Grade 1-7 1-6 1-6
Chemical Engineering	S70	ELR2B2-C	7 to 14	Subject a) English Language b) Mathematics (Elementary/Additional) c) Any one of the following subjects: • Biology • Biotechnology • Chemistry • Computing/Computer Studies • Design & Technology • Electronics/Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	Grade 1-7 1-6 1-6
Common Science Programme At the end of Year 1, students will opt for one of the following Diploma courses: • Applied Chemistry • Biomedical Science • Food Science & Technology • Perfumery & Cosmetic Science	S28	ELR2B2-C	3 to 10	Subject a) English Language b) Mathematics (Elementary/Additional) c) Any one of the following subjects: • Biology • Biotechnology • Chemistry • Food & Nutrition / Nutrition & Food Science • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)	Grade 1-7 1-6 1-6

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
Food Science & Technology	S47	ELR2B2-C	4 to 11	Subject	Grade
				a) English Language	1-7
				b) Mathematics (Elementary/Additional)	1-6
				c) Any one of the following subjects:	1-6
				• Biology	
Perfumery & Cosmetic Science	S38	ELR2B2-C	6 to 11	• Biotechnology	
				• Chemistry	
				• Food & Nutrition / Nutrition & Food Science	
				• Physics	
				• Science (Chemistry, Biology)	
				• Science (Physics, Biology)	
				• Science (Physics, Chemistry)	

BUILT ENVIRONMENT					
Architecture	S66	ELR2B2-D	3 to 16	Subject	Grade
				a) English Language	1-7
				b) Mathematics (Elementary/Additional)	1-7
				c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type	1-6
Landscape Architecture	S94	ELR2B2-D	11 to 17		
Civil Engineering	S68	ELR2B2-C	8 to 26	Subject	Grade
				a) English Language	1-7
				b) Mathematics (Elementary/Additional)	1-6
				c) Any one of the following subjects:	1-6
				• Biology	
				• Biotechnology	
				• Chemistry	
				• Computing / Computer Studies	
				• Design & Technology	
				• Electronics / Fundamentals of Electronics	
				• Physics	
				• Science (Chemistry, Biology)	
				• Science (Physics, Biology)	
				• Science (Physics, Chemistry)	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements		
Facilities Management	S95	ELR2B2-D	13 to 22		Subject	Grade
				a) English Language		1-7
				b) Mathematics (Elementary/Additional)		1-6
				c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type		1-6
Integrated Events & Project Management	S50	ELR2B2-D	5 to 17			

BUSINESS & MANAGEMENT						
Accountancy	S75	ELR2B2-B	4 to 12	a) English Language	Subject	Grade 1-6
				b) Mathematics (Elementary/Additional)		1-6
				c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-B Aggregate Type		1-6
Banking & Finance	S76	ELR2B2-B	3 to 11			
Business Administration **Specialisations:** • Digital Marketing & Branding • Innovation & Entrepreneurship • International Trade & Operations	S71	ELR2B2-B	6 to 12			
Common Business Programme At the end of Year 1, students will opt for one of the following Diploma courses: • Accountancy • Banking & Finance • Business Administration • Human Resource Management with Psychology	S31	ELR2B2-B	5 to 13			
Human Resource Management with Psychology	S48	ELR2B2-B	4 to 12			

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements
ENGINEERING				
Aeronautical Engineering ①	S88	ELR2B2-C	4 to 16	<table><tr><td></td><td>Subject</td><td>Grade</td></tr><tr><td>a)</td><td>English Language</td><td>1-7</td></tr><tr><td>b)</td><td>Mathematics (Elementary/Additional)</td><td>1-6</td></tr><tr><td>c)</td><td>Any one of the following subjects:</td><td>1-6</td></tr></table> - Biology - Biotechnology - Chemistry - Computing / Computer Studies - Design & Technology - Electronics / Fundamentals of Electronics - Physics - Science (Chemistry, Biology) - Science (Physics, Biology) - Science (Physics, Chemistry)
Aerospace Electronics ①	S90	ELR2B2-C	5 to 14	
Common Engineering Programme At the end of the first semester, students will opt for one of the following Diploma courses: • Aeronautical Engineering ① • Aerospace Electronics ① • Computer Engineering ② • Electrical & Electronic Engineering ③ • Engineering with Business ② • Mechanical Engineering ② • Mechatronics & Robotics ②	S40	ELR2B2-C	4 to 19	
Computer Engineering② **Specialisations:** • Cloud Systems • Computer Applications • Cyber Security • Smart City Technologies	S53	ELR2B2-C	3 to 12	

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements

Electrical & Electronic Engineering ③
 	
Specialisations:
• Biomedical
• Communication
• Microelectronics
• Power
• Rapid Transit Technology
• Robotics & Control
	S99	ELR2B2-C	5 to 17	Subject Grade
				a) English Language 1-7
				b) Mathematics (Elementary/Additional) 1-6
				c) Any one of the following subjects: 1-6
				
				    • Biology
				    • Biotechnology
				    • Chemistry
				    • Computing / Computer Studies
				    • Design & Technology
				    • Electronics / Fundamentals of Electronics
				    • Physics
				    • Science (Chemistry, Biology)
				    • Science (Physics, Biology)
				    • Science (Physics, Chemistry)

Engineering with Business ②	S42	ELR2B2-C	6 to 11	
Mechanical Engineering ② **Specialisations:** • Automation and Robotics • Biomedical • Energy & Facilities Management • Engineering Design & Simulation • Precision Engineering • Rapid Transit Technology	S91	ELR2B2-C	6 to 19	
Mechatronics & Robotics ②	S73	ELR2B2-C	5 to 15	
HEALTH SCIENCES				

Optometry ④	S67	ELR2B2-C	6 to 14	Subject Grade
				a) English Language 1-7
				b) Mathematics (Elementary/Additional) 1-6
				c) Any one of the following subjects: 1-6
				
				    • Biology
				    • Biotechnology
				    • Chemistry
				    • Food & Nutrition / Nutrition & Food Science
				    • Physics
				    • Science (Chemistry, Biology)
				    • Science (Physics, Biology)
				    • Science (Physics, Chemistry)

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements		
INFORMATION & DIGITAL TECHNOLOGIES						
Applied AI & Analytics	S30	ELR2B2-C	4 to 10		Subject	Grade
				a) English Language		1-7
Common ICT Programme At the end of the first semester, students will opt for one of the following Diploma courses: • Applied AI & Analytics • Cybersecurity & Digital Forensics • Information Technology	S32	ELR2B2-C	3 to 14	b) Mathematics (Elementary/Additional) c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type		1-6 1-6
Cybersecurity & Digital Forensics *(Previously known as Infocomm Security Management)* **Specialisations:** • Cyber Offensive and oPerational Technology • Cyber Defence Security • Security Incident Management	S54	ELR2B2-C	5 to 12			
Information Technology **Specialisations:** • Immersive Simulation Technology • Software Development • UI & UX	S69	ELR2B2-C	4 to 15			
MARITIME STUDIES						
Marine Engineering ⑤	S63	ELR2B2-C	7 to 26		Subject	Grade
				a) English Language		1-7
				b) Mathematics (Elementary/Additional)		1-6
				c) Any one of the following subjects:		1-6
				• Biology • Biotechnology • Chemistry • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Physics • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry)		

Courses	Course Code	Aggregate Type	Net ELR2B2 Range for Previous (2023) JAE	Minimum Entry Requirements	
Maritime Business	S74	ELR2B2-C	10 to 18	Subject	Grade
				a) English Language	1-7
				b) Mathematics (Elementary/Additional)	1-6
				c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-C Aggregate Type	1-6
MEDIA & DESIGN					
Interior Design	S89	ELR2B2-D	8 to 16	Subject	Grade
				a) English Language	1-7
				b) Mathematics (Elementary/Additional)	1-7
Media, Arts & Design **Specialisations:** • Animation & Games • Creative Community Engagement with Psychology • Digital Media & Communications • Experience & Product Design • Story & Content Creation • Sound & Music • Visual Communication & Motion Design	S29	ELR2B2-D	3 to 13	c) Any one of the 2nd group of Relevant Subjects for the ELR2B2-D Aggregate Type	1-6

Note: (Singapore Polytechnic)

① *Applicants should not be suffering from severe vision deficiency (including colour vision), acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

② *Applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

③ *Applicants who have colour vision deficiency, and wish to pursue a career in electrical power engineering or as a Licensed Electrical Worker (LEW), may encounter difficulties meeting the course requirements and expectations. This condition is required by the Energy Market Authority (EMA) of Singapore. In addition, applicants should not be suffering from severe vision deficiency, acute hearing impairment or uncontrolled epilepsy. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

④ *Applicants with severe physical impairment may encounter difficulties meeting the course requirements and expectations. Please refer to the Optometrists & Opticians Board (OOB) Professional Practice Code and Guidelines on "Fitness to Practice" for guidance. Interested applicants with any of these conditions are advised to contact Singapore Polytechnic for more information.*

⑤ *All candidates must pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).*

DIRECT ADMISSIONS EXERCISE (DAE)

Application for admission to the Diploma in Nautical Studies is conducted as a separate admissions exercise by Singapore Polytechnic. The minimum entry requirements are shown below. Interested applicants should apply directly to Singapore Polytechnic at *courseapplication.sp.edu.sg.*

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	Subject	Grade
a)	English Language	1-7
b)	Mathematics (Elementary/Additional)	1-6
c)	Any one of the following subjects:	1-6

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

Note:
- Applicants must ensure that they have good eyesight (i.e. visual acuity unaided of 6/60 in both eyes and with visual aids of 6/6 in the better eye and at least 6/9 in the other eye).
- Applicants must also pass the colour vision test as per The International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).
- Shortlisted candidates will be required to attend an interview conducted by the Singapore Maritime Academy. International students are required to find a Singapore shipping company of their choice that is prepared to offer them an internship for phase 2 of this course.

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