

COURSES AND ENTRY REQUIREMENTS – SPM

To be eligible for admission to the various courses, all applicants must have the following grades in subjects taken at not more than two sittings of the SPM examination:

B) SCIENCE & TECHNOLOGY COURSES (CONT'D) SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Aeronautical Engineering ^	S88	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Physics d) Any two other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Applicants must ensure that they do not suffer from either colour appreciation deficiency or hearing deficiency.	
Aerospace Electronics	S90	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Applicants must ensure that they do not suffer from either colour appreciation deficiency or hearing deficiency.	
Applied Chemistry with Pharmaceutical Science	S64	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Chemistry	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Applicants must ensure that they do not suffer from colour appreciation deficiency.	
Bioengineering ^	S58	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Applicants must ensure that they do not suffer from hearing deficiency.	

Note:

^ Applicants must ensure they do not suffer from medical conditions such as epilepsy. In the interest of general safety, admission of these applicants to a particular course is at the discretion of the Polytechnic.

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Biomedical Science Note: The 1 st year of the course is common and at the end of Year 1, students opt for one of the following programmes: Specialisations: <ul style="list-style-type: none"> • Cardiac Technology • Medical Technology 	S98	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Biotechnology	S72	3	Applicants must ensure that they do not suffer from colour appreciation deficiency.	
Business Information Technology Specialisations: <ul style="list-style-type: none"> • E-Business Services • Entrepreneurship • New Media Marketing 	S82	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any three other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Note: To be eligible for admissions, you must also have sat for at least one of the following subjects: <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Chemical Engineering ^	S70	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects <ul style="list-style-type: none"> • Biology • Chemistry • Physics Applicants must ensure that they do not suffer from colour appreciation deficiency.	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Civil Engineering with Business ^	S68	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects : <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

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B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Clean Energy	S45	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Common Engineering Programme At the end of the first semester students will opt for one of the following courses: <ul style="list-style-type: none"> • Aeronautical Engineering #^ • Aerospace Electronics # • Bioengineering %^ • Clean Energy # • Computer Engineering ♦ • Electrical & Electronic Engineering @ • Mechanical Engineering %^ • Mechatronics & Robotics #^ 	S40	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology* • Chemistry* • Physics <p>Note: <u>* - At the end of the first semester, those offering these subject as the 3rd relevant subject cannot opt for the Diploma in Aeronautical Engineering (S88). This course also requires that applicants offer an additional 2 other subjects with Grades 1 – 6.</u></p>	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

Note :

Applicants must ensure that they do not suffer from either colour appreciation deficiency or hearing deficiency.

@ Applicants must ensure that they do not suffer from colour appreciation deficiency.

♦ Applicants who are suffering from impairments must be prepared to appear for interview and to undergo any manual dexterity or aptitude tests.

% Applicants must ensure that they do not suffer from hearing deficiency.

^ Applicants must ensure they do not suffer from medical conditions such as epilepsy. In the interest general safety, admission of these applicants to a particular course is at the discretion of the Polytechnic.

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Computer Engineering Specialisations: <ul style="list-style-type: none"> • Business • Computer Applications • Computer system • Networking • Security 	S53	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Information Technology • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Digital Media	S57	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any two other subjects Note: To be eligible for admissions, you must also have sat for at least one of the following subjects: <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Electrical & Electronic Engineering 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	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Engineering with Business	S42	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects : <ul style="list-style-type: none"> • Biology • Chemistry • Physics d) Any two other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Environmental Management & Water Technology	S52	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

Applicants must ensure that they do not suffer from colour appreciation deficiency.

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
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Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Financial Informatics Specialisations: <ul style="list-style-type: none"> • Accounting • Finance 	S46	3	a) Bahasa Ingggris (1119) b) Elementary or Additional Mathematics c) Any three other subjects Note: To be eligible for admissions, you must also have sat for at least one of the following subjects: <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Food Science & Technology	S47	3	a) Bahasa Ingggris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics Applicants must ensure that they do not suffer from colour appreciation deficiency.	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Hotel & Leisure Facilities Management Specialisations: <ul style="list-style-type: none"> • Hotel & Leisure Management • Property Facilities Management 	S95	3	a) Bahasa Ingggris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects : <ul style="list-style-type: none"> • Art • Art Graphic • Biology • Chemistry • Engineering Drawing • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Infocomm Security Management	S54	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any two other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			<p>Note: To be eligible for admissions, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
<p>Information Communication Technology</p> <p><u>Note:</u> The 1st year of the course is common and at the end of Year 1, students opt for one of the following programmes:</p> <p>Specialisations:</p> <ul style="list-style-type: none"> • Broadband & Security Services • Web Technology & Services 	S85	3	<p>a) Bahasa Inggeris (1119)</p> <p>b) Elementary or Additional Mathematics</p> <p>c) One of the following 3rd relevant subjects:</p> <ul style="list-style-type: none"> • Biology • Chemistry • Information Technology • Physics 	<p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p>
<p>Information Technology</p> <p>Specialisations:</p> <ul style="list-style-type: none"> • Enterprise Systems • Game Development • Hospitality & Tourism • Information Systems 	S69	3	<p>a) Bahasa Inggeris (1119)</p> <p>b) Elementary or Additional Mathematics</p> <p>c) Any two other subjects</p> <p><u>Note:</u> To be eligible for admissions, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	<p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p>
<p>Integrated Events & Project Management</p>	S50	3	<p>a) Bahasa Inggeris (1119)</p> <p>b) Elementary or Additional Mathematics</p> <p>c) Any two other subjects</p> <p><u>Note:</u> To be eligible for admissions, you must also have sat for at least one of the following subjects:</p> <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	<p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p> <p>A⁺ to C/ 1 to 6</p>

B) SCIENCE & TECHNOLOGY COURSES (CONT'D)
SINGAPORE POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Marine Engineering ^ Specialisations: <ul style="list-style-type: none"> • Offshore Technology • Shipboard Operations 	S63	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics Applicants must ensure that they do not suffer from colour appreciation deficiency.	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Maritime Business	S74	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any two other subjects Note: To be eligible for admissions, you must also have sat for at least one of the following subjects: <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Materials Science	S37	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

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Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Mechanical Engineering ^ Specialisations: <ul style="list-style-type: none"> • Aeronautical Technology • Mechanical Technology • Precision Engineering • Product Realisation • Resort Facilities Management • Systems Engineering 	S91	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Mechatronics and Robotics ^@	S73	3	Applicants must ensure that they do not suffer from hearing deficiency.	
Music & Audio Technology	S97	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any three other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Note: To be eligible for admissions, you must also have sat for at least one of the following subjects: <ul style="list-style-type: none"> • Additional Science • Biology • Chemistry • General Science • Information Technology • Physics 	
Nutrition, Health & Wellness Specialisations: <ul style="list-style-type: none"> • Health & Fitness • Nutrition 	S44	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects : <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

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Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Optometry	S67	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects: <ul style="list-style-type: none"> • Biology • Chemistry 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Perfumery and Cosmetic Science	S38	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following 3 rd relevant subjects : <ul style="list-style-type: none"> • Biology • Chemistry • Physics 	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6