

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 NANYANG POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Aeronautical & Aerospace Technology ^②	C51	3	a) Bahasa Inggeris (1119)	A ⁺ to C/ 1 to 6
Aerospace Systems & Management ^②	C52	3	b) Elementary or Additional Mathematics	A ⁺ to C/ 1 to 6
			c) One of the following subjects: Biology Chemistry Physics	A ⁺ to C/ 1 to 6
Biologics & Process Technology <u>Specialisations:</u> • Biopharmaceutical Technology • Process Technology	C49	3		
Business Enterprise IT <u>Specialisations:</u> • Enterprise Process & Applications • Enterprise Database & Management	C68	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any 3 other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Business Informatics <u>Specialisations:</u> • Business • Information Technology	C78	3	Note: In order to be eligible for selection applicants must have sat for one of the following subjects, that is, for the computation of the ELR2B2 aggregate would include one of these subjects: Chemistry Physics	
Biomedical Engineering <u>Specialisations:</u> • Biomedical Device Design • Biomedical Processes & Quality System	C71	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects: Biology Chemistry Physics	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6

Note:

- ① Applicants with colour appreciation deficiency should not apply for these courses.
- ② Applicants must ensure that they do not suffer from either colour appreciation deficiency or hearing deficiency.

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Chemical & Green Technology <u>Specialisations:</u> <ul style="list-style-type: none"> Environment & Water Technology Clean Energy Technology Petrochemical Technology 	C55	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects: Biology Chemistry Physics	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Chemical & Pharmaceutical Technology <u>Specialisations:</u> <ul style="list-style-type: none"> Petrochemical Technology Pharmaceutical Technology 	C73	3		
Digital Entertainment Technology (Games) <u>Specialisations:</u> <ul style="list-style-type: none"> Games Programming Console Programming 	C70	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any 3 other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Digital Visual Effects <u>Specialisations:</u> <ul style="list-style-type: none"> Visual effects for games and real time application Visual effects for animation and visualization 	C57	3	Note: In order to be eligible for selection, applicants must have sat for one of the following subjects, that is, for the computation of the ELR2B2 aggregate would include one of these subjects: Chemistry Physics	
Dental Hygiene & Therapy #	C72	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any one of the following subjects: Biology Chemistry General Science Physics	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Nursing	C97	3		

Additional requirements for Health Science Courses:

Due to the special requirements of the healthcare professions, all applicants have to pass a medical examination and be free from physical handicap to ensure suitability. Whilst not comprehensive, the following conditions will lead to non-acceptance into the course:

- active tuberculosis
- HBsAg positive
- legal blindness
- uncontrolled diabetes
- uncontrolled epilepsy
- uncontrolled asthma
- uncontrolled hypertension
- profound deafness
- psychiatric condition
- physical dependence upon mobility equipment
- acquired immune deficiency syndrome
- mobility restricted (hindering performance)

Candidates will be required to take a manual dexterity test by the relevant Admission Selection Committee to determine their suitability to the course.

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Electronics, Computer & Communications Engineering ① Specialisations: <ul style="list-style-type: none"> • Aerospace Electronics • Automation Design • Embedded Systems Design • Wafer Fabrication Technology • Wireless Communications • Telematics System 	C89	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects:	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Electrical Engineering ①	C48	3		

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Engineering Informatics Specialisations: <ul style="list-style-type: none"> • Engineering Software Development • Networks & IT Services • Integrated Logistics 	C80	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any 3 other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Financial Informatics Specialisations: <ul style="list-style-type: none"> • Banking & Financial Services • Banking & Financial Applications 	C58	3	Note: In order to be eligible for selection, applicants must have sat for one of the following subjects, that is, for the computation of the ELR2B2 aggregate would include one of these subjects: Chemistry Physics	
Food Science & Nutrition	C69	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects:	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
			Biology Chemistry Physics	

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Information Security Specialisations: <ul style="list-style-type: none"> • InfoSecurity Technology • InfoSecurity Management 	C54	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) Any 3 other subjects	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Information Technology Specialisations: <ul style="list-style-type: none"> • Digital Entertainment • Internet & Mobile Computing • IT in Finance & Investment • IT in Life Sciences • Information Security 	C85	3	Note: In order to be eligible for selection, applicants must have sat for one of the following subjects, that is, for the computation of the ELR2B2 aggregate would include one of these subjects: Chemistry Physics	
Manufacturing Engineering Specialisations: <ul style="list-style-type: none"> • Aerospace Manufacturing • Automation Systems Design • Manufacturing Software • Product Engineering 	C88	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects:	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Mechatronics Engineering ① Specialisations: <ul style="list-style-type: none"> • Automation & System Integration • Biomedical Engineering • Wafer Fabrication Technology 	C87	3	Biology Chemistry Physics	

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Molecular Biotechnology Specialisations: <ul style="list-style-type: none"> • Biomedical Sciences • Bio-Pharmaceutical • Research & Development (Microbiology & Immunology/ Molecular Biology & Forensic) 	C74	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects: Biology Chemistry Physics	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Multimedia & Infocomm Technology Specialisations: <ul style="list-style-type: none"> • Communications and Networking • Interactive Media • IT Service Management • Infocomm Solutions 	C75	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects: Biology Chemistry Physics	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Nanotechnology & Materials Science Specialisations: <ul style="list-style-type: none"> • Advanced Electronic Materials & Semiconductor Technology • Functional & Structured Materials 	C50	3		

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Pharmaceutical Sciences Specialisations : <ul style="list-style-type: none"> • Pharmaceutical Practice • Clinical Trials 	C65	3	a) Bahasa Inggeris (1119) b) Elementary or Additional Mathematics c) One of the following subjects:	A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6 A ⁺ to C/ 1 to 6
Telematics & Media Technology ^① Specialisations: <ul style="list-style-type: none"> • System Design • Product Design 	C53	3	Biology Chemistry Physics	

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