

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) REPUBLIC POLYTECHNIC

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Aerospace Avionics	R20	3	a) Bahasa Inggeris (1119)	A ⁺ to C/ 1 to 6
Aerospace Engineering (Quality Systems)	R40	3	b) Elementary or Additional Mathematics	A ⁺ to C/ 1 to 6
Biomedical Electronics	R15	3	c) Any one of the following subjects:	A ⁺ to C/ 1 to 6
Biomedical Sciences	R14	3	Additional Combined Science	
Biotechnology	R16	3	Additional Science	
Business Applications Options:	R18	3	Biology	
• Financial and Banking Applications			Chemistry	
• Healthcare Applications			Combined Science	
• Hospitality and Retail Systems			Engineering Science	
• Manufacturing and Logistics Systems			Integrated Science	
Business Information Systems Options:	R13	3	Physics / Physical Science	
• Human Resource Information Systems			Science (Chemistry, Biology)	
• Finance and Accounting Information Systems			Science (Physics, Biology)	
• Sales and Marketing Information Systems			Science (Physics, Chemistry)	
			Science (Physics, Chemistry, Biology)	

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Civil Aviation	R39	3	a) Bahasa Ingggris (1119)	A ⁺ to C/ 1 to 6
Common Engineering Programme ②	R42	3	b) Elementary or Additional Mathematics	A ⁺ to C/ 1 to 6
Digital Entertainment Electronics	R38	3	c) Any one of the following subjects:	A ⁺ to C/ 1 to 6
Environmental Science	R29	3		
Health Management and Promotion	R43	3		
Industrial and Operations Management	R11	3		
			Additional Combined Science	
			Additional Science	
			Biology	
			Chemistry	
			Combined Science	
			Engineering Science	
			Integrated Science	
			Physics / Physical Science	
			Science (Chemistry, Biology)	
			Science (Physics, Biology)	
			Science (Physics, Chemistry)	
			Science (Physics, Chemistry, Biology)	

② The Common Engineering Programme allows a student to take a common course of study in the first year and be streamed into one of the following Engineering diplomas from the second year onwards:

- Aerospace Avionics
- Aerospace Engineering (Quality Systems)
- Biomedical Electronics
- Civil Aviation
- Digital Entertainment Electronics
- Industrial and Operations Management
- Micro and Nanotechnology
- Supply Chain Management

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

Course	Course Code	Duration (Years)	Entry Requirements	
			Subject	Grade
Information Technology	R12	3	a) Bahasa Inggeris (1119)	A ⁺ to C/ 1 to 6
Options: <ul style="list-style-type: none"> • Networking and Security • IT Security • Enterprise Infrastructure Management 			b) Elementary or Additional Mathematics	A ⁺ to C/ 1 to 6
Interactive and Digital Media	R31	3	c) Any one of the following subjects:	A ⁺ to C/ 1 to 6
Options: <ul style="list-style-type: none"> • Digital Audio and Video • Computer Animation • Games Development 			Additional Combined Science	
IT Service Management	R23	3	Additional Science	
Materials Science	R17	3	Biology	
Micro and Nanotechnology	R30	3	Chemistry	
Pharmaceutical Sciences	R22	3	Combined Science	
Renewable Energy Engineering	R41	3	Engineering Science	
Sports and Exercise Sciences	R26	3	Integrated Science	
Supply Chain Management	R21	3	Physics / Physical Science	
			Science (Chemistry, Biology)	
			Science (Physics, Biology)	
			Science (Physics, Chemistry)	
			Science (Physics, Chemistry, Biology)	