

**EXPLANATORY NOTES ON
Item 8.4 Criterion 4: Students**

The Standard specifies that the normal entry qualification specified in page 16 as:

“SPM or equivalent with at least credit in mathematics and, natural sciences¹ or technical based subjects².”

The explanation for the above clause is as follows:

1. The required minimum number of subjects with credit for entry into the programme is two, i.e.
 - a. a mathematics subject; and
 - b. another subject in the natural sciences³ or technical based subjects⁴.
2. However IHLs may specify conditions above the minimum as they deem appropriate, e.g. specifying more than two subjects specified above.
3. Natural sciences is the term used to differentiate the physical sciences from the social sciences such as political science or economic science. The phrase “natural sciences” refers to the branch of science which deals with the physical world. Hence subjects such as Physics, Chemistry, Biology as well as “General Science” offered by KPM at SPM level are also considered as a natural science subjects.
4. Technical based subjects also include any of the following Science, Technology, Engineering and Mathematics (STEM) electives offered by the Ministry of Higher Education (MoHE), i.e.:-
 - a. All subjects under category of “Sains Tulen dan Matematik Tambahan”;
 - b. All subjects under category of “Sains Gunaan dan Teknologi”;
 - c. Relevant subjects under category of “Mata Pelajaran Vokasional”

5.

ELEKTIF STEM (SAINS TULEN DAN MATEMATIK TAMBAHAN)	MASA MINIMUM JAM SETAHUN	ELEKTIF STEM (MATA PELAJARAN VOKASIONAL)	MASA MINIMUM JAM SETAHUN
Fizik	96	Pembinaan Domestik	256
Kimia	96	Pembuatan Perabot	256
Biologi	96	Produksi Reka Tanda	256
Matematik Tambahan	96	Menservis Peralatan Elektrik Domestik	256
ELEKTIF STEM (SAINS GUNAAN DAN TEKNOLOGI)	MASA MINIMUM JAM SETAHUN	Rekaan dan Jahitan Pakaian	256
		Katering dan Penyajian	256
		Landskap dan Nurseri	256
*****Sains Tambahan	96	Tanaman Makanan	256
Grafik Komunikasi Teknikal	96	Reka Bentuk Grafik Digital	256
Asas Kelestarian	96	Produksi Multimedia	256
Pertanian	96	Pemprosesan Makanan	256
Sains Rumah Tangga	96	Akuakultur dan Haiwan Rekreasi	256
Reka Cipta	96	Pendawaian Domestik	256
Sains Komputer	96	Menservis Automobol	256
Sains Sukan	96	Gerontologi Asas dan Geriatic	256
*****Pengajian Kejuruteraan Awam	96	Penjagaan Muka dan Penggayaan Rambut	256
*****Pengajian Kejuruteraan Mekanikal	96	Asuhan dan Pendidikan Awal Kanak-Kanak	256
*****Pengajian Kejuruteraan Elektrik dan Elektronik	96	Hiasan Dalaman	256
*****Lukisan Kejuruteraan	96	Kerja Paip Domestik	256
		Kimpalan Arka dan Gas	256
		Menservis Motosikal	256
		Menservis Peralatan Penyjukan dan Penyamanan Udara	256