

Instituto Salesiano Macau (Secondary Section)

A. Curriculum

The curriculum fulfils the “Curriculum Framework for Formal Education of Local Education System” as well as “the Requirements of Basic Academic Attainments of Local Education System”.

The junior secondary curriculum features in an applied technology course called “Design and Applied Technology” (DAT). It aims at providing some basic hands-on abilities learning and practices to all students for enhancing their general living skills and technical knowledge.

The senior secondary curriculum features in three major streams: Commerce, Science & Technology and Science to meet and satisfy students’ different interests and potentials. According to their interests and career plans, students at F5 and F6 levels are eligible to participate in different international examinations such as IELTS, IGCSE, IAL and LCCI. Further information on IGCSE, IAL, LCCI can be obtained at this link:

<https://qualifications.pearson.com/en/home.html>.

The curriculum and the number of lesson periods allocated for each subject and form level are tabulated as follows:

Curriculum & Subject periods Table																								
Curriculum Feature	# of Period	英文	中文	數學	歷史	地理	體育	宗教	品公	資技	科學	科技	音樂	視藝	物理	化學	生物	會計	經濟	機械人學及 數控科技	基礎微 電子學	人工智 能應用	智慧設計 與創新	總課節
		Eng	Chi	Mat	His	Geo	Ped	RGE	MCE	ICT	Sci	DAT	Mus	VAE	Phy	Chm	Bio	Acc	Ecn	RBNC	FMEX	APAI	IDIN	T. Period
General Education with Applied Tech. Learning	Form 1	7	5	6	2	2	2	1	2	2	4	4	1	1										39
	Form 2	7	5	6	2	2	2	1	2	2	4	4	1	1										39
	Form 3	7	5	6	2	2	2	1	2	2	4	4	1	1										39
Commerce	F4A	6	5	7		2	2	1	1	2	2		1	1				4	5					39
	F5A	7	5	6	3		2	1	1	1	2		1	1				5	4					39
	F6A	6	5	7			2	1	1	1								8	8					39
Science & Technology	F4B	7	5	6		3	2	1	1	1		4	1	1	4	3								39
	F4C	7	5	6		3	2	1	1	1		4	1	1	4	3								39
	F5B	7	5	6	3		2	1	1	1		4	1	1	4	3								39
	F5C	7	5	6	3		2	1	1	1		4	1	1	4	3								39
	F6B	6	5	8			2	1	1	1					7	8								39
	F6C	6	5	8			2	1	1	1					7	8								39
Science	F4D	7	5	6		3	2	1	1	1			1	1	4	3	4							39
	F5D	7	5	6	3		2	1	1	1			1	1	4	3	4							39
	F6D	6	5	8			2	1	1	1						8	7							39
Microelectronics Science and Applied AI Technology *	F4E	6	4	7		1	2		1	2					4*	3*				3	2	2	2	32

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Remarks: The curriculum of the “**Microelectronics Science and Applied AI Technology**” Program is designed in accordance with the regulatory framework governing Vocational-Technical Education under the Education and Youth Development Bureau (DSEDJ) of the Macao SAR. Within this curriculum framework, Physics is designated as “Applied Physics and Semiconductor Technology”, and Chemistry is designated as “Applied Chemistry and Analysis”.

B. Subject Weighting

The subject weighting serves two purposes, one is for the calculation of the average mark of each term, and the other one is for the judgement of the eligibility for promotion. The maximum mark is 100, and the passing mark is 60 for all the subjects.

Curriculum & Subject Weighting Units Table																									
Curriculum Feature	# of Period	英文	中文	數學	歷史	地理	體育	宗教	品公	資技	科學	科技	音樂	視藝	物理	化學	生物	會計	經濟	機械人學及 數控科技	基礎微 電子學	人工智 能應用	智慧設計 與創新	總單位數	
		Eng	Chi	Mat	His	Geo	Ped	RGE	MCE	ICT	Sci	DAT	Mus	VAE	Phy	Chm	Bio	Acc	Ecn	RBNC	FMEX	APAI	IDIN	Total	
General Education with Applied Tech. Learning	Form 1	2	2	2	1	1	1	1	1	1	1	1	1	1										16	
	Form 2	2	2	2	1	1	1	1	1	1	1	1	1	1										16	
	Form 3	2	2	2	1	1	1	1	1	1	1	1	1	1										16	
Commerce	F4A	2	2	2		1	1	1	1	1	1		1	1				2	1					17	
	F5A	2	2	2	1		1	1	1	1	1		1	1				2	1					17	
	F6A	2	2	2			1	1	1	1								2	1					13	
Science & Technology	F4B	2	2	2		1	1	1	1	1		1	1	1	2	1								17	
	F4C	2	2	2		1	1	1	1	1		1	1	1	2	1								17	
	F5B	2	2	2	1		1	1	1	1		1	1	1	2	1								17	
	F5C	2	2	2	1		1	1	1	1		1	1	1	2	1								17	
	F6B	2	2	2			1	1	1	1					2	1								13	
	F6C	2	2	2			1	1	1	1					2	1								13	
Science	F4D	2	2	2		1	1	1	1	1			1	1	1	1	2							17	
	F5D	2	2	2	1		1	1	1	1			1	1	1	1	2							17	
	F6D	2	2	2			1	1	1	1						1	2							13	
Microelectronics Science and Applied AI Technology *	F4E	1	1	2		1	1		1	1					1	1				2	2	2	1	17	

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C. Assessment

In each academic year, there are two terms of examination (summative assessment), one is scheduled after Christmas holiday, and the other one is scheduled in June. Only the core subjects are to be assessed in the term examination (as tabulated below). All other subjects not shown on the table are regarded as non-core subjects.

Term Examination (2 Terms)											
Core Subjects	F1~F3	F4A	F5A	F6A	F4BC	F5BC	F6BC	F4D	F5D	F6D	F4E
English	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chinese	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mathematics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Science	✓										
Accounting		✓	✓	✓							
Economics		✓	✓	✓							
Physics					✓	✓	✓				✓
Chemistry					✓	✓	✓	✓	✓	✓	✓
Biology								✓	✓	✓	
Robotics and CNC Technology											
Fundamentals of Microelectronics											
Applied Artificial Intelligence											
Intelligent Design and Innovation											

Other non-core subjects are assessed by “formative assessment”. It is a combination of various tasks such as class work, homework, projects, presentations, quizzes, tests, etc. The percentage allocation of assessments is shown below:

Form 1 ~ Form 5				
Subjects	Subject Assessment (% weights)			
	Term 1 (Formative)	Term 1 Exam (Summative)	Term 2 (Formative)	Term 2 Exam (Summative)
Core Subjects	30%	20%	30%	20%
Non-Core Subjects	50%	/	50%	/
Form 6				
Subjects	Subject Assessment (% weights)			
	Term 1 (Formative)	Term 1 Exam (Summative)	Term 2 (Formative)	Term 2 Exam (Summative)
Core Subjects	25%	15%	35%	25%
Non-Core Subjects	40%	/	60%	/