

Recommended Study Plan

A suggested course schedule for BEng in Materials Engineering (For AS II students admitted to BEngMAE in 2016/17)

Year 3

Sem A (credit unit)		Sem B (credit unit)		Summer (credit unit)	
AP2102	Introduction to Materials Engineering (3)	*AP1202	General Physics II (3)	AP2243	Workshop Practice (3)
		*AP1203	General Physics III (3)	Gateway Education Course (3)	
AP2104	Mechanics of Solids (3)	AP3109	Kinetic Processes in Engineering Materials (3)		
AP3171	Materials Characterization Techniques (3)	AP3110	Deformation and Fracture (3)		
AP3190	Thermodynamics of Materials (3)	AP3169	Materials Testing Techniques (3)		
		AP3172	Electronic Properties of Solids (3)		
*AP1200	Foundation Physics (0)	*CS1302	Introduction to Computer Programming		
*AP1201	General Physics I (3)	MA2158/ MA2170/ MA2172/	Linear Algebra and Calculus (3)/ Linear Algebra and Multi-variable Calculus (3)/ Applied Statistics for Sciences and Engineering (3)/ Engineering Mathematics and Statistics (3)/ Mathematical Methods for Engineering (3)		
*MA1201	Calculus and Basic Linear Algebra II	MA2177/			
Gateway Education Course (3)		MA2181			
		MBE2016			
		Gateway Education Course (3)			
Sub-total = 15 units		Sub-total = 21 units		Sub-total = 6 units	
Year 2 Total = 42 units					

**Optional for students who would like to strengthen their background*

Remarks: More update version please refer to

<http://www.ap.cityu.edu.hk/index.aspx?id=20061213174918&lang=e> for details

Year 4

Sem A (credit unit)		Sem B (credit unit)		Summer (credit unit)	
AP4116	Dissertation (3)	AP3244	Design Laboratory (3)	FS4002 (elective B4)	Industrial Attachment Scheme (3)
AP4101	Materials Engineers in Society (3)	AP4116	Dissertation (3)		
Elective A1 (3)		Elective A3 (3)			
Elective A2 (3)		Elective A4 (3)			
Elective B1 (3)		Elective B4 (3)			
Elective B2 (3)		Gateway Education Course (3)			
Elective B3 (3)					
Sub-total = 21 units		Sub-total = 18 or 15 units		Sub-total = 0 or 3 units	
Year 4 Total = 39 units					

* FS4002 can be considered as elective B4

On top of the above 69 required credits in major requirement, students have to satisfy the degree requirement of 12 credits in Gateway Education as specified by the University.