

Recommended Study Plan

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

Year 2

Sem A (credit unit)		Sem B (credit unit)		Summer (credit unit)	
AP1201*	General Physics I (3)	AP1202	General Physics II (3)	AP2243	Workshop Practice (3)
AP2102	Introduction to Materials Engineering (3)	AP1203	General Physics III (3)		
BCH1100*	Chemistry (3)	AP3169	Materials Testing Techniques (3)		
CS1102/ CS1302	Introduction to Computer Studies/ Introduction to Computer Programming (3)	MA2158/	Linear Algebra and Calculus (3)/		
		MA2001/	Multi-variable Calculus and Linear Algebra (3)/		
MA1201/ MA1301	Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II (3)	MA2172/	Applied Statistics for Sciences and Engineering (3)/		
		MA2177/	Engineering Mathematics and Statistics (3)/		
		MA2181	Mathematical Methods for Engineering (3)		
Gateway Education Course (3)		MBE2016	Engineering Graphics (3)		
Sub-total = 12 units		Sub-total = 15 units		Sub-total = 3 units	
Year 2 Total = 30 units					

\* Optional for students who would like to strengthen their background and it will be counted as free elective

Remarks: More update version please refer to <http://www.ap.cityu.edu.hk/index.aspx?id=20061213174918&lang=e> for details

Year 3

Sem A (credit unit)		Sem B (credit unit)		Summer (credit unit)	
AP2104	Mechanics of Solids (3)	AP3109	Kinetic Processes in Engineering Materials (3)	FS4002 (elective B4) #	Industrial Attachment Scheme (3)
AP3171	Materials Characterization Techniques (3)	AP3110	Deformation and Fracture (3)	Sub-total = 3 or 0 units	
AP3190	Thermodynamics of Materials (3)	AP3172	Electronic Properties of Solids (3)		
Elective A1 (3)		AP3244	Design Laboratory (3)		
		Elective A3 (3)			
Elective A2 (3)		Elective A4 (3)			
Gateway Education Course (3)					
Sub-total = 18 units		Sub-total = 18 units			
Year 3 Total = 36 or 39 units					

# FS4002 can be considered as elective B4

Year 4

Sem A (credit unit)		Sem B (credit unit)	
AP4116	Dissertation (3)	AP4116	Dissertation (3)
AP4101	Materials Engineers in Society (3)	Elective B3 (3)	
Elective B1 (3)		Elective B4 (3)	
Elective B2 (3)		Gateway Education Course (3)	
Gateway Education Course (3)			
Gateway Education Course (3)			
Sub-total = 18 units		Sub-total = 12 or 9 units	
Year 4 Total = 30 or 27 units			

On top of the above 75 required credits in major requirement, students have to satisfy the degree requirement of 21 credits in Gateway Education as specified by the University.