



## Curriculum Information Record for Common Requirements

### Department of Materials Science and Engineering

Effective from Semester A 2019/2020

For Students Admitted from Semester A 2016/17 to 2017/18

The information provided on this form is the official record of the common requirements, such as Gateway Education requirement, College/School requirement, and University Language requirements. It will be used for City University's database, various City University publications (including websites) and documentation for students and others as required.

In specifying the curriculum for the common requirements, "catalogue term" is used to determine the set of curriculum requirements that a student is following. By mapping the student record and the version of curriculum rules applicable, the graduation requirements of individual students will be evaluated accordingly. The catalogue term of the common requirements that students will follow will be the same as their admission term (BUS/04/A5R).

#### Prepared / Last Updated by

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**City University of Hong Kong**  
**Curriculum Information Record for Common Requirements**  
**Department of Materials Science and Engineering**  
**Effective from Semester A 2019/2020**  
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**Part I Gateway Education Requirement**

*(The catalogue term of the Gateway Education requirement that students will follow will be the same as their admission term.)*

Curriculum Catalogue Term	Semester A 2016/17 onwards		
	Normative 4-year Degree	Advanced Standing I (Note 1)	Advanced Standing II (Senior-year Entry) (Note 2)
<u>University requirements</u>			
English			
• GE1401 University English	3 credit units	3 credit units	Not a compulsory requirement
• Discipline-specific English	3 credit units	3 credit units	3 credit units
GE1501 Chinese Civilisation – History and Philosophy	3 credit units	3 credit units	Not a compulsory requirement
<u>Distributional requirements</u> Area 1: Arts and Humanities Area 2: Study of Societies, Social and Business Organisations Area 3: Science and Technology	12 credit units  <i>(At least one course from each of the three areas)</i>	6 credit units  <i>(From two different areas)</i>	3 credit units
<u>College/School-specified courses</u> ^	9 credit units	6 credit units	6 credit units
<b>Total</b>	<b>30 credit units</b>	<b>21 credit units</b>	<b>12 credit units</b>

**^ College/School-specified courses for fulfilling the Gateway Education requirement**

Course Code	Course Title	Level	Credit Units	Remarks
<b>Normative 4-year Degree</b>				
MA1200/ MA1300	Calculus and Basic Linear Algebra I/ Enhanced Calculus and Linear Algebra I	B1	3	
MA1201/ MA1301	Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II	B1	3	
CS1102/ CS1302	Introduction to Computer Studies/ Introduction to Computer Programming	B1	3	

<b>Advanced Standing I</b>				
CS1102/ CS1302	Introduction to Computer Studies/ Introduction to Computer Programming	B1	3	<p>Students taking Major elective <i>AP3114 Computational Methods for Physicist and Materials Engineers</i> or <i>AP4172 Simulation and Modelling in Multidisciplinary Sciences*</i> may apply for exemption. They are required to complete any course of 3 credits (<b>NOT within the major requirements including core courses and electives</b>) to replace the exempted credits.</p> <p>* The course name will be changed from “Simulation and Modelling in Multidisciplinary Sciences” (AP4172) to “Computational Physics” (PHY4172) effective from Sem A, 2019/20.</p>
MA1201/ MA1301	Calculus and Basic Linear Algebra II/ Enhanced Calculus and Linear Algebra II	B1	3	
<b>Advanced Standing II (Senior-year Entry)</b>				
Any courses not within the Major Requirements (including core courses and electives)		B1/2/3/4	6	<p>For students who failed the MA placement test and are required to complete the pre-requisite courses for their MA core course#, they are advised to take <i>MA1200 Calculus and Basic Linear Algebra I</i> and/or <i>MA1201 Calculus and Basic Linear Algebra II</i> to fulfil this requirement.</p> <p>#Please refer to the Curriculum Information Record (CIR) for your major and the Course Syllabus of the relevant MA courses for details.</p>

## Part II College/School Requirement, if any

(The catalogue term of the College/School requirement that students will follow will be the same as their admission term.)

Course Code	Course Title	Level	Credit Units	Remarks
<b>Normative 4-year Degree (6 credit units)</b>				
Science (6 Credit Units) Choose <b>two</b> from the following three subject areas				
<i>Physics</i>				
AP1201	General Physics I	B1	3	
<i>Chemistry</i>				
BCH1100	Chemistry	B1	3	
<i>Biology</i>				
BCH1200	Discovery in Biology	B1	3	
<b>Advanced Standing I (0 credit unit)</b>				
College Requirements waived				
<b>Advanced Standing II (Senior-year Entry) (0 credit unit)</b>				
College Requirements waived				

## Part III English Language Requirement

Normative 4-year degree students and Advanced Standing I students who passed the 6 credit units of specified GE English courses, and Advanced Standing II students who passed the 3 credit units of discipline-specific GE English course are recognized as fulfilling the University's English Language Requirement.

*Students scoring below Level 4 in HKDSE English Language or Grade D in HKALE AS-level Use of English or students who do not possess an equivalent qualification are required to complete two 3-credit unit courses, EL0200A English for Academic Purposes 1 and EL0200B English for Academic Purposes 2, prior to taking the GE English courses. Students who demonstrate that they have achieved a grade B or above in their overall course results for EL0200A will achieve 3 credits and also be considered to have satisfied the pre-requisite for entry to the GE English courses without needing to take EL0200B. The credit units of EL0200A and EL0200B will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.*

## Part IV Chinese Language Requirement

Students scoring below Level 4 in HKDSE Chinese Language, or below Grade D in HKALE AS-level Chinese Language and Culture will be required to complete a 3-credit unit course CHIN1001 University Chinese I. The 3 credit units will not be counted towards the minimum credit units required for graduation and will not be included in the calculation of the cumulative grade point average (CGPA). However, they will be counted towards the maximum credit units permitted.

*In addition to the above requirement, Colleges/Schools also have the discretion to specify other Chinese language courses for their students, including students who do not possess the above qualifications (Senate/70/MM27-28 refers). Please indicate if there are such requirements.*