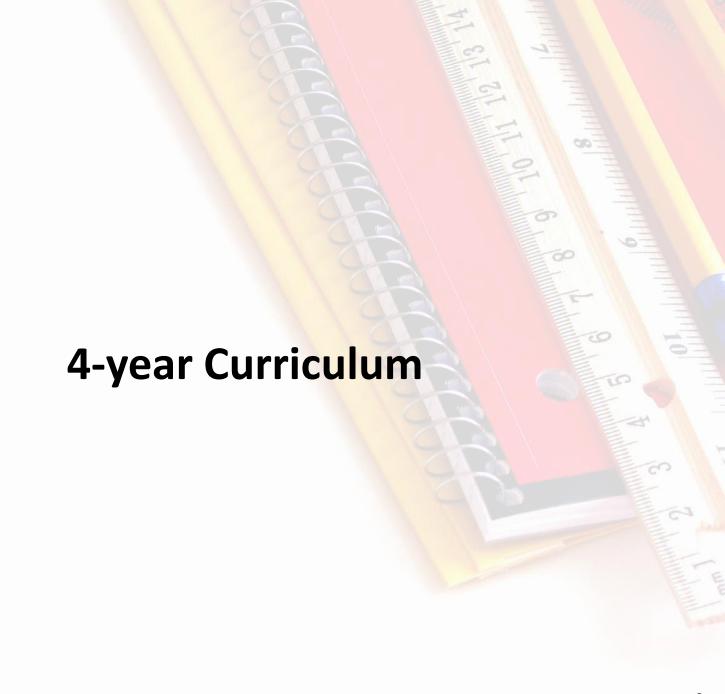


#### Agenda

- 4-year Curriculum
- Highlights of Engineering Polices
- Language Exemption Policy
- Exemption of the 1-Unit IT Foundation Course
- Entrepreneurship and Innovation Minor Programme (EPIN)



#### Guidebook

The Guidebook can be found at:

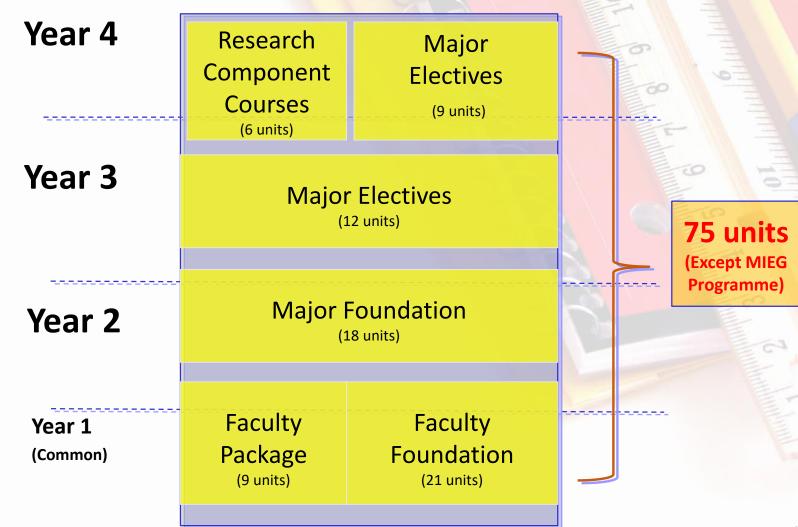
https://www.erg.cuhk.edu.hk/erg/sites/default/file

s/Guidebook 2020.pdf

# 4-year Curriculum – Overview



# 4-year Curriculum – Major Requirements



# Major Requirements – Faculty Package & Faculty Foundation Courses

Faculty Package	Units	
1) Faculty Package:	<b>X</b> 7 1	
<ul><li>ENGG1110 Problem Solving by Programming (3 units)</li><li>ENGG1120 Linear Algebra for Engineers (3 units)</li></ul>	Yr. 1 coui	ises
•ENGG1130 Multivariable Calculus for Engineers (3 units)	9	0

# Major Requirements – Faculty Package & Faculty Foundation Courses

Foundation Courses	Units
2) Foundation Courses:	
<ul> <li>AIST1110 Introduction to Computing using Python (3 units)</li> </ul>	
• CHEM1280 Introduction to Organic Chemistry and Biomolecules (3	3 units)
• CHEM1380 Basic Chemistry for Engineers (3 units)	
• CSCI1120 Introduction to Computing Using C++ (3 units)	
• CSCI1130 Introduction to Computing Using Java (3 units)	
• ELEG2700 Introduction to Electronic System Design (3 units)	
<ul> <li>ENGG1310 Engineering Physics: Electromagnetics, Optics and Mod</li> </ul>	dern
Physics (3 units)	
• ENGG2440 Discrete Mathematics for Engineers (3 units)	
• ENGG2720 Complex Variables for Engineers (2 units)	Minimum
• ENGG2740 Differential Equations for Engineers (2 units)	11
• ENGG2760 Probability for Engineers (2 units)	
• ENGG2780 Statistics for Engineers (2 units)	
• FTEC2101 Optimization Methods (3 units)	
• IERG2060 Basic Analog and Digital Circuits (3 units)	
• LSCI1001 Basic Concepts in Biological Sciences (3 units)	
• LSCI1003 Life Sciences for Engineers (3 units)	
MAEG1020 Computational Design and Fabrication (3 units)	
• MATH1510 Calculus for Engineers (3 units)	
PHYS1003 General Physics for Engineers (3 units)	
• PHYS1110 Engineering Physics: Mechanics and Thermodynamics (	3 units)
• SEEM2440 Engineering Economics (3 units)	
• SEEM2460 Introduction to Data Science (3 units)	

## Faculty Foundation Courses Selection & Recommended Study Pattern

- Students from Broad-based Engineering can refer to Pg. 12-13 of the Guidebook.
- Students from non Broad-based Engineering programmes can consult their respective departments (consultation sessions held at the end).

#### **Course Load**

 A student shall take at least 9 units of courses and no more than 18 units of courses in any term within the normative study period except when s/he is on first or extended academic probation

Note: Approval has been sought for broad-based engineering students to take 19 units per term during the first year.

 A student shall take no more than 6 units of courses in each summer session, and no student will be allowed to take more than 39 units in an academic year



#### **Engineering Policies**

- 1. Mathematics Placement Test
- 2. Physics Placement Test
- 3. Teaching Medium

#### **Mathematics Placement Test**

- The test was arranged online on 20 August 2020 (Thursday)
- Results are used to determine if one is required to take MATH1020
- JUPAS admittees without HKDSE Math M1/M2 will be assigned to take MATH1020 + MATH1510 by default. No test was arranged.
- Students who were absent from the test or failed the test must take both MATH1020 and MATH1510 in Term 1, 2020-21
- Any student who passed the test can take MATH1510 alone

#### **Physics Placement Test**

- Students admitted WITH HKDSE results (regardless of admission channel and programme of admission)
  - Pre-assigned to take PHYS1110 according to the following HKDSE attainments:
    - ✓ Mathematics (Compulsory Part) Level 4; AND
    - ✓ Physics (Full Subject) Level 4 OR Combined Science (with Physics Component) Level 5
  - For the rest, students will be pre-assigned to take PHYS1003

#### **Physics Placement Test**

- Students admitted WITHOUT HKDSE results (regardless of admission channel and programme of admission)
  - > Attend the Physics Placement Test
    - ☐ Date: 3 September 2020 (Thursday)
    - ☐ Time: 2:00pm 3:00pm
  - Failure in or absence from the test will be preassigned to PHYS1003
  - Students attaining a Pass in the test will be preassigned to PHYS1110

#### **Physics Placement Test**

- Before release of test results, students will be preassigned to PHYS1110 first
- Students who need to take the test will receive email from the Faculty Office

#### **Teaching Medium**

 All courses offered by the Faculty of Engineering will be taught in English



#### Language Exemption by Attainment

- Students have to complete University Core Requirements including Chinese and English language courses in order to graduate
- Students who have already obtained a certain qualifications specified by the University <u>prior to their study at CUHK</u> shall <u>apply for</u> <u>exemption on their own in their first term of study</u>.
- Please visit Registration and Examinations Section website

http://www.res.cuhk.edu.hk/en-gb/undergraduatestudents/information-for-year-1-students/information-onuniversity-core-requirements-and-exemption/university-corecourse-exemption-by-attainment



- Application Period: From 7 September to 31 December 2020
- When exemption from a particular course is granted, students can only be exempted from the course but <u>not</u> the units.

# ENGG1000 IT Foundation Course Exemption

#### Your Curriculum

Component	Subject	Unit	
University Cor	e Chinese Language	6	
	English Language	9	
	General Education	21	1
	Information Technology	1	4
	Physical Education	2	60
Major	Faculty Package		
	Major Courses		
	• • •		

# Exemption from Information Technology Foundation Course

Information Technology	ENGG1000	IT Foundation exempt
	彩兒	
Engineering Major Programme Requirements		

#### Exemption from ENGG1000

• All newly admitted students will be exempted from ENGG1000 when they have successfully *fulfilled* the major programme requirements of *any* engineering programme.

#### **ENGG1000**

What if I really want to take the course?
 You should register the course at the IT Office (YIA1207)

 Warning: The course is not about technical stuff! No significant advantage for engineering students.



# Entrepreneurship and Innovation Minor Programme (EPIN)

CUHK students dare to be different. You are passionate to create and break new grounds. This is a platform to learn, practice and make things happen!



Since September 2017





#### **Study Scheme of EPIN**

- Minimum of 18 units of courses
- (1) Required course: EPIN2010 Toolkit for Entrepreneurs (3 units)
- (2) Elective courses:
  - 3 to 6 units in Mindset & Values
  - 6 to 12 units in Knowledge & Skills
  - 3 to 6 units in Practices
- (3) At least 6 units of courses at 3000 level or above





#### Structure of EPIN

Students are required to complete a minimum of 18 units of courses. They are free to choose courses from 3 key areas:

## Mindset & Values

- e.g. Anatomy of an Entrepreneur
- e.g. Design Thinking and Practice

## Knowledge & Skills

- e.g. Business Models of Startups
- e.g. IP Law for Entrepreneurs

#### Practices

- e.g. Study Trip at Cambridge, Fudan, Tsinghua University
- e.g. Bootcamp, Practicum etc.













#### **Interactive Learning Experience**





Summer EPIN Experience @Cambridge University





#### 1. Who is eligible to take EPIN courses?

- ALL CUHK undergraduate students are welcome. Most of the courses do not have prerequisites.
- 2. I have studied some relevant courses elsewhere. Can I apply for course exemption?
- Yes, you can. EPIN office can help you with course equivalence or exemption application.
- 3. How can I fulfil the "practice" requirement?
- EPIN offers internship, study trips and many practical experiences. You can get the credits or apply for course exemption when you completed these experience.



#### FAQ

- 4. How to declare EPIN as minor?
- You can declare minor on CUSIS when you fulfilled most of the minor requirements or at your final year.
- 5. I am interested in minoring EPIN, but still don't find how to arrange my study plan, what should I do?
- On't hesitate to contact EPIN office. EPIN are more than happy to work out a study plan with you.



### **CONTACT**



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