

**Recommended Study Pathway for
HKUST-Exeter Engineering and Law Program
(For student cohorts of 2021-22 and before)**

Contract Law Course

Required to be completed by Year 3 Fall Semester

	Credits
<i>Contract Law offered by the University of Exeter in Fall semester – required for seeking admission to the HKUST-Exeter Engineering and Law Program[#]</i>	6

[#] Students may receive 6 transfer credits from the Contract Law course on condition that they obtain a passing grade in the course.

Year 1

Fall Semester (12-15 credits)

	Credits
[take one course from MATH1012 or MATH1013 or MATH1020 or MATH1023]	3-4
MATH 1012 Calculus 1A 4	
MATH 1013 Calculus IB 3	
MATH 1020 Accelerated Calculus 4	
MATH 1023 Honors Calculus I 3	
[take one course from COMP1021 or COMP1022P or COMP2011 or COMP2012H]	3-5
COMP 1021 Introduction to Computer Science 3	
COMP 1022P Introduction to Computing with Java 3	
COMP 2011 Programming with C++ 4	
COMP 2012H Honors Object-Oriented Programming and Data Structu 5	
ENGG 1010 Academic Orientation 0	
LANG 1002 English for University Studies I (U Core) 3	
University Common Core 3	

Spring Semester (15-16 credits)

	Credits
[take one course from MATH1014 or MATH1024]	3
MATH 1014 Calculus II 3	
MATH 1024 Honors Calculus II 3	
[take one course from PHYS1112 or PHYS1312]	3
PHYS 1112 General Physics I with Calculus 3	
PHYS 1312 Honors General Physics I 3	
CHEM/LIFS/PHYS Science 1000-level course (Any 1 course of the subject and level as specified)	3-4
ENGG 1010 Academic Orientation 0	
LANG 1003 English for University Studies II (U Core) 3	
University Common Core 3	

BEng (MECH)

Year 2 (HKUST)

Fall Semester (18 credits)

			Credits
ELEC	2420	Basic Electronics	3
MECH	2020	Statics and Dynamics	3
MECH	2310	Thermodynamics	3
MATH	2011	Introduction to Multivariable Calculus	3
LANG	2030	Technical Communication I	3
ENGG	2010	Engineering Seminar Series	0
University Common Core			3

Winter Semester (0 credits)

			Credits
MECH	1990	Industrial Training	0

Spring Semester (18 credits)

			Credits
MECH	2040	Solid Mechanics I	3
MECH	2210	Fluid Mechanics	3
MECH	2410	Engineering Materials I	3
MECH	2520	Design and Manufacturing I	3
[take one course from MATH2111 or MATH2350 or MATH2351]			3
MATH	2111	Matrix Algebra and Applications	3
MATH	2350	Applied Linear Algebra and Differential Equations	3
MATH	2351	Introduction to Differential Equations	3
ENGG	2010	Engineering Seminar Series	0
University Common Core			3

Summer Semester (0 credits)

			Credits
MECH	1990	Industrial Training	0

BEng (MECH)

Year 3 (HKUST)

Fall Semester (21 credits)

				Credits
MECH	3030	Mechanisms of Machinery		3
[MECH 3300 OR MECH 3420 OR MECH 3520 OR MECH 3710]				3
MECH	3300	Energy Conversion	3	
MECH	3420	Engineering Materials II	3	
MECH	3520	Design and Manufacturing II	3	
MECH	3710	Manufacturing Processes and Systems	3	
MECH	3310	Heat Transfer		3
MECH	3610	Control Principles		3
ENGG	2010	Engineering Seminar Series		0
University Common Core				3
University Common Core				3
University Common Core				3

Spring Semester (21 credits)

				Credits
LANG	4034	Technical Communication II		3
MECH	3630	Electrical Technology		3
MECH	3830	Laboratory		3
ENGG	2010	Engineering Seminar Series		0
MECH	3907	Mechatronic Design and Prototyping		3
University Common Core				3
University Common Core				3
University Common Core				3

To ensure adequate preparation for taking Exeter engineering courses, students should check the course details (including offering term and pre-requisite) from the [University of Exeter's website](#) before choosing some required courses at HKUST.

BEng (MECH)

Year 4 (Study at University of Exeter)

Fall and Spring (12 Credits)

		Equivalent course at HKUST
Course required to be taken		
ECM3175	Individual Project	MECH4900 (Final Year Design Project)
Any 2 engineering courses offered by Exeter	Any 2 engineering courses offered by the University of Exeter	2 Free electives

Note:

1. Students are allowed to take engineering courses at the University of Exeter in Term 1 & Term 2 during their first year of study there. Term 1 and 2 at the University of Exeter correspond to the Fall term and Spring term at HKUST respectively.
2. For Exeter engineering courses, please note that the course offerings are subject to change and some courses may have pre-requisite(s). Students should check the course details (including offering term and pre-requisite) from the University of Exeter's website prior to arrival at Exeter. The final enrollment of Exeter engineering courses is subject to the approval of the University of Exeter. To play safe, students are expected to be very flexible with course selection and try to identify more courses as far as practicable.
3. The above recommended courses are for students' reference only and do not imply automatic approval for credit transfer. Before taking any Exeter courses, to ensure smooth credit transfer process, students should check ARO's [Credit Transfer Database](#) for the term they will study at the University of Exeter. There are some [approved mappings](#) from previous semesters. Should no approved mapping be found, students should raise mapping requests via ARO's [Credit Transfer System for Undergraduate Students](#) and seek advice from their major Departments on equivalent HKUST courses **BEFORE** departure.