

**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 (18-19 credits)

	Credits
[take one course from MATH1012 or MATH1013 or MATH1020 or MATH1023]	3-4
MATH 1012 Calculus 1A 4	
MATH 1013 Calculus 1B 3	
MATH 1020 Accelerated Calculus 4	
MATH 1023 Honors Calculus I 3	
[take one course from PHYS1112 or PHYS1312]	3
PHYS 1112 General Physics I with Calculus 3	
PHYS 1312 Honors General Physics I 3	
[take one course from CHEM 1010 or CHEM 1020]	3
CHEM 1010 General Chemistry 1A 3	
CHEM 1020 General Chemistry 1B 3	
ENGG 1010 Academic Orientation 0	
LANG 1002 English for University Studies I (U Core) 3	
University Common Core 3	
University Common Core 3	

Spring Semester (18-19 credits)

	Credits
[take one course from MATH1014 or MATH1024]	3
MATH 1014 Calculus II 3	
MATH 1024 Honors Calculus II 3	
CIVL 1100 Discovering Civil and Environmental Engineering 3	

BEng (CIVL)

Year 1

Spring Semester (18-19 credits) (Cont'd)

				Credits
[take one course from COMP1021 or COMP1022P or COMP2011]				3-4
COMP	1021	Introduction to Computer Science	3	
COMP	1022P	Introduction to Computing with Java	3	
COMP	2011	Programming with C++	4	
ENGG	1010	Academic Orientation		0
LANG	1003	English for University Studies II (U Core)		3
University Common Core				3
University Common Core				3

Year 2

Fall Semester (18 credits)

				Credits
MATH	2011	Introduction to Multivariable Calculus		3
MATH	2350	Applied Linear Algebra and Differential Equations		3
ENGG	2010	Engineering Seminar Series		0
CIVL	1010	Academic and Professional Development I		0
CIVL	2110	Statics		3
CIVL	2160	Modeling Systems with Uncertainties		3
University Common Core				3
University Common Core				3

Winter Semester (0 credits)

				Credits
CIVL	2020	Industrial and BIM Training (Session I: Building Practice & Safety Training)		0

Spring Semester (18 credits)

				Credits
ENGG	2010	Engineering Seminar Series		0
CIVL	1010	Academic and Professional Development I		0
CIVL	2020	Industrial and BIM Training (Session II: Surveying, Drawing & BIM)		0
CIVL	2120	Mechanics of Materials		3
CIVL	2170	Infrastructure Systems Engineering and Management		3
CIVL	2410	Environmental Assessment and Management		3
CIVL	2510	Fluid Mechanics		3
LANG	2030	Technical Communication I		3
University Common Core				3

BEng (CIVL)

Year 3

Fall Semester (21 credits)

			Credits
ENGG	2010	Engineering Seminar Series	0
CIVL	2010	Academic and Professional Development II	0
CIVL	2810	Construction Materials	3
CIVL	3310	Structural Analysis	3
CIVL	3510	Hydrosystems Engineering	3
CIVL	3730	Fundamentals of Geotechnics	3
CIVL	4950	Civil Engineering Capstone Design Project	3
LANG	4033	Technical Communication II	3
University Common Core			3

Spring Semester (21 credits)

			Credits
ENGG	2010	Engineering Seminar Series	0
CIVL	2010	Academic and Professional Development II	0
CIVL	3210	Introduction to Construction Management	3
CIVL	3320	Reinforced Concrete Design	3
CIVL	3610	Traffic and Transportation Engineering	3
CIVL	3740	Geotechnical Analysis and Design	3
University Common Core			3
University Common Core			3
One CIVL Elective Course			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 electives at HKUST.

Summer Semester (0 credits)

			Credits
CIVL	3020	Internship Training (6 weeks)* <i>* A total of 6 weeks of internship training is required by the program. It can be conducted in Year 2 summer, Year 3 winter but no later than Year 3 summer. Different internship training sessions can be combined as long as the total duration is 6 weeks.</i>	0

BEng (CIVL)

Year 4 (Study at the University of Exeter)

Fall and Spring (12 Credits)

Course code	Course title	Equivalent course at HKUST
Course required to be taken		
ECM3175	Individual Project	CIVL4910 (Final Year Project)
Select 2 courses offered by the University of Exeter to fulfill CIVL elective requirements. Engineering Module: https://intranet.exeter.ac.uk/emps/studentinfo/subjects/engineering/modules/2022new/ Geology Module: https://intranet.exeter.ac.uk/emps/studentinfo/subjects/geologycsm/modules/2022/		

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 CIVL 3010 - Academic and Professional Development III (0 credits) requirement will be waived via Application for Deviation from Curriculum (GR23).
4. 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.