

## Sample Study Plan for BEng(AI&DataSc) [for 2025-26 intake] [without HKDSE Math Extended Module 1 or 2 \*\*]

		Semester 1		Semester 2	
Year 1 (57 cu)	UG5 Requirements ** (27 cu) Foundation (24 cu) Electives (6 cu)	COMP1117	Computer programming	COMP1110	Computing & data science in everyday life
		MATH1011	University mathematics I **	COMP2113	Programming technologies
		CC	University Common Core	MATH1013	University mathematics II
		CC	University Common Core	CC	University Common Core
		CC	University Common Core		
		CAES1001 # / AILT1001	Academic Communication in English / AI Literacy I	CAES1001 # / AILT1001	Academic Communication in English / AI Literacy I
Year 2 (63 cu)	UG5 Requirements ** (15 cu) Foundation (12 cu) AI&DataSc Core (24 cu) Electives (12 cu)	COMP2119	Introduction to data structures & algorithms	COMP3314	Introduction to machine learning
		COMP2501	Introduction to data science	SDST2601	Probability & statistics I
		MATH2012	Fundamental concepts of mathematics		
		MATH2014	Multivariable calculus & linear algebra	Free Elective	Elective course in any disciplines
		Free Elective	Elective course in any disciplines	CC	University Common Core
		CC / AILTxxxx	University Common Core / AI Literacy II	CC / AILTxxxx	University Common Core / AI Literacy II
Year 3 (66 cu)	UG5 Requirements ** (6 cu) AI&DataSc Core (30 cu) Electives (24 cu)	COMP3270	Introduction to artificial intelligence	COMP3340	Introduction to deep learning
		COMP3312	Law & ethics in data science	COMP3278	Introduction to database management systems
		SDST2602	Probability & statistics II	AI&DataSc Elective	Elective course in AI&DataSc
		AI&DataSc Elective	Elective course in AI&DataSc	Free Elective	Elective course in any disciplines
		Free Elective / xxxxxxx	Elective course in any discipline / Chinese for CDS students	Free Elective / xxxxxxx	Elective course in any discipline / Chinese for CDS students
Summer (6 cu)		COMP3512	Internship		
Year 4 (54 cu)	UG5 Requirements ** (6 cu) Capstone Experience (12 cu) Electives (36 cu)	COMP3522	Real-life AI & data science	COMP4501 / COMP4502	AI & Data Science in discipline project Final year project
		CAES9542	Technical English for computer science	AI&DataSc Elective	Elective course in AI&DataSc
		AI&DataSc Elective	Elective course in AI&DataSc	AI&DataSc Elective	Elective course in AI&DataSc
		AI&DataSc Elective	Elective course in AI&DataSc	Free Elective	Elective course in any disciplines
		Free Elective	Elective course in any disciplines		

\*\* Students without DSE Extended Module 1 or 2 should take MATH1011 before taking MATH1013; for other qualifications, please consult Faculty for advice.

# Unless otherwise exempted through having achieved Level 5 or above in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent.

\*\* UG5(e) requirement – Successful completion of a non-credit bearing course(s) for fostering students' whole-person development