

The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management		Student's Pathways (i.e. Study Pattern)									
Department:		Department of Accounting		Pathway 1									
Program:		BBA in Professional Accounting + Extended Major in Artificial Intelligence (AI)		Background: HKDSE 4 Core + 2 Elec Profile: Normative									
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	
School Requirements													
ISOM	2010	Introduction to Information Systems	3			3						3	
ISOM	2020	Coding for Business	1			1						1	
ISOM	2500	Business Statistics	3		3							3	
ISOM	2600	Introduction to Business Analytics	1			1						1	
ISOM	2700	Operations Management	3		3	[3]						3	
ACCT	2010	Principles of Accounting I	3	3								3	
ACCT	2200	Principles of Accounting II	3				3					3	
ECON	2103	Note: ECON 2103 OR ECON 2113	3	3								3	
ECON	2113	Principles of Microeconomics	3		[3]							3	
ECON	3123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue...)	3									3	
ECON	3123	BSc ECOF must take ECON 3123	3				[3]	3				3	
ECON	3123	Macroeconomics	3									3	
FINA	2303	Financial Management	3			3						3	
MARK	2120	Marketing Management	3		3	[3]						3	
MGMT	2010	Business Ethics and the Individual	2	2								2	
MGMT	2110	Organizational Behavior	3		[3]	3						3	
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2	
SBMT	1111	Business Student Induction	0	0								0	
LABU	2040	Business Case Analyses	3			3	[3]					3	
LABU	2060	Effective Communication in Business	3			[3]	3					3	
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR...	3-4									3	
MATH	1012	MATH 1023	3									3	
MATH	1012	Calculus and Linear Algebra	3									3	
MATH	1013	Calculus IA	4									4	
MATH	1020	Calculus IB	3									3	
MATH	1020	Accelerated Calculus	4									4	
MATH	1023	Honors Calculus I	3									3	
Required credits for School Requirements			45-46									45	
Major Requirements													
Major Required Courses and Electives													
ACCT	3010	Financial Accounting I	3					3				3	
ACCT	3020	Financial Accounting II	3						3			3	
ACCT	3210	Advanced Management Accounting	3						3			3	
ACCT	3610	Business Law	3				[3]	3				3	
ACCT	3880	Professional Excellence Program	1					1				1	
ACCT	4010	Advanced Financial Accounting	3							3		3	
ACCT	4410	Taxation	3								3	3	
ACCT	4510	Auditing	3							3		3	
ACCT		ACCT Electives (3 credits minimum; 6 credits for students who wish to obtain full exemption of all the 10 Associate Modules in HKICPA QP Program)	3-6							[3]	3	3-6	
Required credits for Major Required Courses and Electives			25-28									25-28	
Option Requirements													
Accounting Analytics Option													
ACCT	4710	Accounting Analytics for Professional Accountants	3					3				3	
ISOM	3400	Python Programming for Business Analytics	3						3			3	
Required credits for Accounting Analytics Option			6									6	
AI Requirements													
Recommended Background Courses													
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3									3	
COMP	1021	Introduction to Computer Science	3									3	
COMP	1022P	Introduction to Computing with Java	3									3	
ISOM	3230	Business Applications Programming	3									3	
Remarks: 1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021. 2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).													
MATH	1014	Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4									3	
MATH	1014	Calculus II	3									3	
MATH	1020	Accelerated Calculus	4									4	
MATH	1024	Honors Calculus II	3									3	
Remarks: 1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.													
ISOM/MATH	2500	Note: ISOM 2500 OR MATH 2411	3-4									0	
ISOM	2500	Business Statistics	3									3	
MATH	2411	Applied Statistics	4		[3]							4	
Required credits for AI Recommended Background Courses			9-11									6	
Major Required Courses and Electives													
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0	
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3	
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									4-5	
COMP	2011	Programming with C++	4					4				4	
COMP	2012	Object-Oriented Programming and Data Structures	4									4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5									5	
COMP	2211	Note: COMP2211 OR COMP3211	3									3	
COMP	3211	Exploring Artificial Intelligence	3								3	3	
COMP	3211	Fundamentals of Artificial Intelligence	3									3	
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3	
COMP	4211	Machine Learning	3									3	
EMIA	4110	Practical Machine Learning	3									3	
MATH	4432	Statistical Machine Learning	3									3	
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3									0-3	
EMIA	4990	Interdisciplinary Capstone Design	0								3	0	
EMIA	4991	Interdisciplinary Capstone Project	3									3	
SBM/SENG/SSCI/IPO		AI Electives	6-9						3	3		6	
Required credits for AI Required Courses and Electives			22-26									22	
University CORE													
CORE	C3 - C12	U CORE - Others	30	0	3	3	6	0	3	6	9	30	
CORE	C1 & C2	U CORE - English Language	6	3	3							6	
Sub-total for University CORE			36									36	
Term load (excl. free credits)													
				14	18	17	18	19	18	18	18	18	
134-137 (w/o option) 140 (w/ option)#													
<< Declaration of major													

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

>> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

The Hong Kong University of Science and Technology
School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management											Student's Pathways (i.e. Study Pattern)			
Department:		Department of Economics											Pathway 2			
Program:		BSc in Economics and Finance + Extended Major in Artificial Intelligence (AI)											Background: HKDSE 4 Core + 2 Elec Profile: Normative			
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total				
School Requirements																
ISOM	2010	Introduction to Information Systems	3		3							3				
ISOM	2020	Coding for Business	1		1							1				
ISOM	2500	Business Statistics	3	3								3				
ISOM	2600	Introduction to Business Analytics	1		1							1				
ACCT	2010	Principles of Accounting I	3	3								3				
ECON		Note: ECON 2103 OR ECON 2113														
ECON	2103	Principles of Microeconomics	3	3	[3]							3				
ECON	2113	Microeconomics	3													
ECON		Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)														
ECON	2123	Macroeconomics	3			3						3				
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3		3							3				
MGMT	2010	Business Ethics and the Individual	2		2							2				
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2				
SBMT	1111	Business Student Induction	0	0								0				
LABU	2040	Business Case Analyses	3			3	[3]					3				
LABU	2060	Effective Communication in Business	3					3				3				
MATH		Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR MATH 1023	3-4													
MATH	1003	Calculus and Linear Algebra	3	3								3				
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements			33-34									33				
Major Requirements																
Major Required Courses and Electives																
ECON/MATH	2174	Note: ECON 2174 OR MATH 2023 Mathematics for Economists	4			4						4				
ECON	2023	Multivariable Calculus	4													
MATH	2023	Multivariable Calculus	4													
ECON	3113	Microeconomic Theory I	4				4					4				
ECON	3133	Microeconomic Theory II	4					4				4				
ECON	3143	Macroeconomic Theory II	4					4				4				
ECON	3334	Introduction to Econometrics	4			4						4				
ECON	4670	Economics Research and Communication	0							0		0				
FINA	3103	Intermediate Investments	3				3					3				
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11						4	4	3	11				
FINA		FINA 3000-level or above Electives (Any 2 courses of the subject and level as specified)	6						3	3		6				
Required credits for Major Required Courses and Electives			40									40				
AI Requirements																
Recommended Background Courses																
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3													
COMP	1021	Introduction to Computer Science	3													
COMP	1022P	Introduction to Computing with Java	3													
ISOM	3230	Business Applications Programming	3													
Remarks: 1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021. 2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).												3				
MATH		Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4													
MATH	1014	Calculus II	3													
MATH	1020	Accelerated Calculus	4													
MATH	1024	Honors Calculus II	3													
Remarks: 1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.												3				
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4													
ISOM	2500	Business Statistics	3		[3]							0				
MATH	2411	Applied Statistics	4													
Required credits for AI Recommended Background Courses			9-11									6				
Major Required Courses and Electives																
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0				
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3				
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5													
COMP	2011	Programming with C++	4				4					4				
COMP	2012	Object-Oriented Programming and Data Structures	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
COMP		Note: COMP2211 OR COMP3211														
COMP	2211	Exploring Artificial Intelligence	3					3				3				
COMP	3211	Fundamentals of Artificial Intelligence	3													
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3													
COMP	4211	Machine Learning	3						3			3				
EMIA	4110	Practical Machine Learning	3													
MATH	4432	Statistical Machine Learning	3													
EMIA		Note: EMIA 4990 OR EMIA 4991														
EMIA	4990	Interdisciplinary Capstone Design	0-3							3		3				
EMIA	4991	Interdisciplinary Capstone Project	3													
SBM/SENG/SSC/IPO		AI Electives	6-9						3		3	6				
Required credits for AI Required Courses and Electives			22-26									22				
University CORE																
CORE	C3 - C12	U CORE - Others	30	0	0	0	3	3	6	9	9	30				
CORE	C1 & C2	U CORE - English Language	6	3	3							6				
Sub-total for University CORE			36									36				
Term load (excl. free credits)																
				15	16	17	17	19	19	19	15					
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Notes:
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 # To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.
 >> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

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School of Business and Management
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<< Declaration of major

School:		School of Business and Management										Student's Pathways (i.e. Study Pattern)	
Department:		Department of Economics										Pathway 1	
Program:		BBA in Economics + Extended Major in Artificial Intelligence (AI)					Background: HKDSE 4 Core + 2 Elec					Profile: Normative	
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	
School Requirements													
ISOM	2010	Introduction to Information Systems	3			3						3	
ISOM	2020	Coding for Business	1			1						1	
ISOM	2500	Business Statistics	3		3							3	
ISOM	2600	Introduction to Business Analytics	1			1						1	
ISOM	2700	Operations Management	3		3	[3]						3	
ACCT	2010	Principles of Accounting I	3	3								3	
ACCT	2200	Principles of Accounting II	3				3					3	
ECON	<input type="checkbox"/>	Note: ECON 2103 OR ECON 2113 ^A	3	3								3	
ECON	<input type="checkbox"/>	2103 Principles of Microeconomics	3		[3]							3	
ECON	<input type="checkbox"/>	2113 Microeconomics	3									3	
ECON	<input type="checkbox"/>	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3				3					3	
ECON	<input type="checkbox"/>	2123 Macroeconomics	3			[3]						3	
ECON	<input type="checkbox"/>	3123 Macroeconomic Theory I	3									3	
FINA	2303	Financial Management	3			3						3	
MARK	2120	Marketing Management	3		3	[3]						3	
MGMT	2010	Business Ethics and the Individual	2	2								2	
MGMT	2110	Organizational Behavior	3		[3]	3						3	
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2	
SBMT	1111	Business Student Induction	0	0								0	
LABU	2040	Business Case Analyses	3			3	[3]					3	
LABU	2060	Effective Communication in Business	3				3					3	
MATH	<input type="checkbox"/>	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR	3-4									3	
MATH	<input type="checkbox"/>	1003 Calculus and Linear Algebra	3	3								3	
MATH	<input type="checkbox"/>	1012 Calculus IA	4									3	
MATH	<input type="checkbox"/>	1013 Calculus IB	3									3	
MATH	<input type="checkbox"/>	1020 Accelerated Calculus	4									3	
MATH	<input type="checkbox"/>	1023 Honors Calculus I	3									3	
Required credits for School Requirements			45-46									45	
Major Requirements													
Major Required Courses and Electives													
ECON	3014	Managerial Microeconomics	4				4					4	
ECON	3024	Managerial Macroeconomics	4					4				4	
ECON	3334	Introduction to Econometrics	4					4				4	
ECON	4670	Economics Research and Communication	0							0		0	
ECON		ECON 4000-level Electives (Any 3 courses of the subject and level as specified)	11						4	4	3	11	
Required credits for Major Required Courses and Electives			23									23	
AI Requirements													
Recommended Background Courses													
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3					3				3	
COMP	1021	Introduction to Computer Science	3									3	
COMP	1022P	Introduction to Computing with Java	3									3	
ISOM	3230	Business Applications Programming	3									3	
Remarks: 1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021. 2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).													
MATH	<input type="checkbox"/>	Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4									3	
MATH	<input type="checkbox"/>	1014 Calculus II	3									3	
MATH	<input type="checkbox"/>	1020 Accelerated Calculus	4									3	
MATH	<input type="checkbox"/>	1024 Honors Calculus II	3									3	
Remarks: 1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.													
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4									0	
ISOM	2500	Business Statistics	3									0	
MATH	2411	Applied Statistics	4									0	
Required credits for AI Recommended Background Courses			9-11									6	
Major Required Courses and Electives													
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0	
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3	
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									4	
COMP	2011	Programming with C++	4					4				4	
COMP	2012	Object-Oriented Programming and Data Structures	4									4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5									4	
COMP		Note: COMP2211 OR COMP3211	3									3	
COMP	2211	Exploring Artificial Intelligence	3							3		3	
COMP	3211	Fundamentals of Artificial Intelligence	3									3	
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3	
COMP	4211	Machine Learning	3							3		3	
EMIA	4110	Practical Machine Learning	3									3	
MATH	4432	Statistical Machine Learning	3									3	
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3									3	
EMIA	4990	Interdisciplinary Capstone Design	0								3	3	
EMIA	4991	Interdisciplinary Capstone Project	3									3	
SBM/SENG/SSCI/PO		AI Electives	6-9						3	3		6	
Required credits for AI Required Courses and Electives			22-26									22	
University CORE													
CORE	C3 - C12	U CORE - Others	30	0	3	3	0	0	6	6	12	30	
CORE	C1 & C2	U CORE - English Language	6	3	3							6	
Sub-total for University CORE			36									36	
Term load (excl. free credits)													
				14	18	17	16	17	16	16	18		
132													

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

>> To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

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The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management										Student's Pathways (i.e. Study Pattern)			
Department:		Department of Finance										Pathway 1			
Program:		BBA in Finance + Extended Major in Artificial Intelligence (AI)					Background: HKDSE 4 Core + 2 Elec□ Profile: Normative								
Course □ Offering □ Dept □ (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total			
School Requirements															
FINA	2303	Financial Management	3		3							3			
ACCT	2010	Principles of Accounting I	3	3								3			
ACCT	2200	Principles of Accounting II	3				3					3			
ECON	2103	Note: ECON 2103 OR ECON 2113 Principles of Microeconomics	3	[3]	3							3			
ECON	2113	Microeconomics	3									3			
ECON	2123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123) Macroeconomics	3			3	[3]					3			
ECON	3123	Macroeconomics Theory I	3									3			
ISOM	2010	Introduction to Information Systems	3		[3]	3						3			
ISOM	2020	Coding for Business	1			1						1			
ISOM	2500	Business Statistics	3		3							3			
ISOM	2600	Introduction to Business Analytics	1			1						1			
ISOM	2700	Operations Management	3		[3]	3						3			
MARK	2120	Marketing Management	3		3	[3]						3			
MGMT	2010	Business Ethics and Individual	2	2								2			
MGMT	2110	Organizational Behavior	3		3	[3]						3			
MGMT	2130	Business Ethics and Social Responsibility	2					[2]	2			2			
SBMT	1111	Business Student Induction	0	0								0			
LABU	2040	Business Case Analyses	3			3						3			
LABU	2060	Effective Communication in Business	3				3					3			
MATH		Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4									3			
MATH	1003	Calculus and Linear Algebra	3									3			
MATH	1012	Calculus IA	4	3								3			
MATH	1013	Calculus IB	3									3			
MATH	1020	Accelerated Calculus	4									3			
MATH	1023	Honors Calculus	3									3			
Required credits for School Requirements			45-46									45			
Major Requirements															
Major Required Courses and Electives															
FINA	3001	Key Skills for Finance Professionals (A)	1				1					1			
FINA	3103	Intermediate Investments	3			[3]	3					3			
FINA	3203	Derivative Securities	3				3					3			
FINA	3303	Intermediate Corporate Certification	3					3				3			
FINA	3810	Bloomberg Market Concepts Certification	0				0					0			
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 Financial Accounting I	3-6					3				3			
ACCT	3020	Financial Accounting II	3									3			
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3									3			
ISOM/COMP	3230	Note: ISOM 3230 OR ISOM 3400 OR COMP 1022P Business Applications Programming	3					3				3			
ISOM	3400	Python Programming for Business Analytics	3									3			
COMP	1022P	Introduction to Computing with Java	3									3			
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9						3	3	3	9			
Required credits for Major Required Courses and Electives			25-28									25			
AI Requirements															
Recommended Background Courses															
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3									3			
COMP	1021	Introduction to Computer Science	3									3			
COMP	1022P	Introduction to Computing with Java	3									3			
ISOM	3230	Business Applications Programming	3									3			
Remarks: 1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021. 2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).															
MATH□		Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4									3			
MATH	1014	Calculus II	3									3			
MATH□	1020	Accelerated Calculus	4									3			
MATH	1024	Honors Calculus II	3									3			
Remarks: 1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.															
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4									0			
ISOM	2500	Business Statistics	3		[3]							0			
MATH	2411	Applied Statistics	4									0			
Required credits for AI Recommended Background Courses			9-11									6			
Major Required Courses and Electives															
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0			
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3			
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									4			
COMP	2011	Programming with C++	4									4			
COMP	2012	Object-Oriented Programming and Data Structures	4									4			
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5									4			
COMP	2211	Note: COMP2211 OR COMP3211 Exploring Artificial Intelligence	3									3			
COMP	3211	Fundamentals of Artificial Intelligence	3									3			
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3			
COMP	4211	Machine Learning	3									3			
EMIA	4110	Practical Machine Learning	3									3			
MATH	4432	Statistical Machine Learning	3									3			
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3									3			
EMIA	4990	Interdisciplinary Capstone Design	0									3			
EMIA	4991	Interdisciplinary Capstone Project	3									3			
SBM/SENG/SSCI/IPO		AI Electives	6-9									6			
Required credits for AI Required Courses and Electives			22-26									22			
University CORE															
CORE	C3 - C12	U CORE - Others	30	3	0	0	3	3	6	6	9	30			
CORE	C1 & C2	U CORE - English Language	6	3	3							6			
Sub-total for University CORE			36									36			
Term load (excl. free credits)															
				14	18	17	16	18	15	18	18				
134#															

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

>> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

<< Declaration of major

The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management										Student's Pathways (i.e. Study Pattern)	
Department:		School of Business and Management										Pathway 1	
Program:		BBA in Global Business + Extended Major in Artificial Intelligence (AI)										Background: HKDSE 4 Core + 2 Elec	
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)		Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total
School Requirements													
		ISOM 2010	Introduction to Information Systems	3			3						3
		ISOM 2020	Coding for Business	1			1						1
		ISOM 2500	Business Statistics	3		3							3
		ISOM 2600	Introduction to Business Analytics	1			1						1
		ISOM 2700	Operations Management	3		3	[3]						3
		ACCT 2010	Principles of Accounting I	3	3								3
		ACCT 2200	Principles of Accounting II	3				3					3
		ECON <input type="checkbox"/> ECON <input type="checkbox"/> ECON <input type="checkbox"/>	Note: ECON 2103 OR ECON 2113 <input type="checkbox"/> Principles of Microeconomics <input type="checkbox"/> Microeconomics	3 3 3	3	[3]							3
		ECON <input type="checkbox"/> <input type="checkbox"/> ECON <input type="checkbox"/> ECON <input type="checkbox"/>	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue <input type="checkbox"/> BSc ECOF must take ECON 3123) <input type="checkbox"/> Macroeconomics <input type="checkbox"/> Macroeconomic Theory I	3 3 3			[3]	3					3
		FINA 2303	Financial Management	3			3						3
		MARK 2120	Marketing Management	3		3	[3]						3
		MGMT 2010	Business Ethics and the Individual	2	2								2
		MGMT 2110	Organizational Behavior	3		[3]	3						3
		MGMT 2130	Business Ethics and Social Responsibility	2				2	[2]				2
		SBMT 1111	Business Student Induction	0	0								0
		LABU 2040G	Business Case Analyses	3			3	[3]					3
		LABU 2060G	Effective Communication in Business	3		[3]		3					3
		MATH <input type="checkbox"/> <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/>	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR <input type="checkbox"/> MATH 1023 <input type="checkbox"/> Calculus and Linear Algebra <input type="checkbox"/> Calculus IA Calculus IB <input type="checkbox"/> Accelerated Calculus <input type="checkbox"/> Honors Calculus I	3-4 3 3 3 3 3	3								3
Required credits for School Requirements				45-46			14						45
Major Requirements													
Major Required Courses and Electives													
		GBUS 1000	Global Leadership Development	0			0	0	0	0	0	0	0
		GBUS 2010	Global Business Analysis	3				3					3
		GBUS 2020	Public Service Project	1					1				1
		GBUS 3010	Global Perspectives on Contemporary Issues	3					3				3
		GBUS 3030 3040 3050	Note: GBUS 3030 OR GBUS 3040 OR GBUS 3050 Global Business Case Studies Doing Business in Asia and Emerging Markets Deal Making in Asia and Emerging Markets	3-4 4 3 3					[3]	3			3
		GBUS 4910	Capstone Project	4							[4]	4	4
		GBUS	Global Business Electives (2 courses from the specified elective list, of which at least one course must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	6					3	3		[3]	6
		LANG	Foreign Language Elective (1 course from the specified elective list. Subject to approval of the program office, students may use transferred credits on a foreign language course taken while on exchange to fulfill this requirement. Students with non-Chinese language background may consult the program office for the use of Chinese language course to fulfill this requirement.)	3			3	[3]					3
Required credits for Major Required Courses and Electives				23-24									23
Option Requirements													
One regular term of study abroad													
AI Requirements													
Recommended Background Courses													
		COMP/ISOM	Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3									3
		COMP 1021	Introduction to Computer Science	3									3
		COMP 1022P	Introduction to Computing with Java	3									3
		ISOM 3230	Business Applications Programming	3				3					3
		MATH <input type="checkbox"/> <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/>	Note: MATH 1014 OR MATH 1020 OR MATH 1024 Calculus II Accelerated Calculus Honors Calculus II	3-4 3 4 3		3	[3]						3
		MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/>	Remarks: 1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021. 2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).										
		ISOM/MATH	Note: ISOM 2500 OR MATH 2411	3-4									0
		ISOM 2500	Business Statistics	3		[3]							0
		MATH 2411	Applied Statistics	4									0
Required credits for AI Recommended Background Courses				9-11									6
Major Required Courses and Electives													
		EMIA 2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0
		EMIA 2020	Cross-disciplinary Design Thinking	3					3				3
		COMP	Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									0
		COMP 2011	Programming with C++	4					4				4
		COMP 2012	Object-Oriented Programming and Data Structures	4									4
		COMP 2012H	Honors Object-Oriented Programming and Data Structures	5									5
		COMP 2211	Note: COMP2211 OR COMP3211 Exploring Artificial Intelligence	3							3		3
		COMP 3211	Fundamentals of Artificial Intelligence	3									3
		COMP/EMIA/MATH	Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3
		COMP 4211	Machine Learning	3						3			3
		EMIA 4110	Practical Machine Learning	3									3
		MATH 4432	Statistical Machine Learning	3									3
		EMIA 4990	Note: EMIA 4990 OR EMIA 4991 Interdisciplinary Capstone Design	0-3								3	3
		EMIA 4991	Interdisciplinary Capstone Project	3									3
		SBM/SENG/SSCI/IPO	AI Electives	6-9						3	3		6
Required credits for AI Required Courses and Electives				22-26									22
University CORE													
		CORE C3 - C12	U CORE - Others	30	0	3	3	0	0	3	9	12	30
		CORE C1 & C2	U CORE - English Language	6	3	3							6
Sub-total for University CORE				36									36
Term load (excl. free credits)													
14 18 17 15 16 15 15 19													
132													
<< Declaration of major													

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

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The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management										Student's Pathways (i.e. Study Pattern)		
Department:		Department of Information Systems, Business Statistics and Operations Management										Pathway 1		
Program:		BBA in Information Systems + Extended Major in Artificial Intelligence (AI)										Background: HKDSE 4 Core + 2 Elec		
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)		Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	
School Requirements														
ISOM	2010	2010	Introduction to Information Systems	3			3						3	
ISOM	2020	2020	Coding for Business	1			1						1	
ISOM	2500	2500	Business Statistics	3		3							3	
ISOM	2600	2600	Introduction to Business Analytics	1			1						1	
ISOM	2700	2700	Operations Management	3		3	[3]						3	
ACCT	2010	2010	Principles of Accounting I	3	3								3	
ACCT	2200	2200	Principles of Accounting II	3				3					3	
ECON	2103	2103	Note: ECON 2103 OR ECON 2113	3	3								3	
ECON	2113	2113	Principles of Microeconomics	3		[3]							3	
ECON	2123	2123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3					3				3	
ECON	3123	3123	Macroeconomic Theory I	3			[3]						3	
FINA	2303	2303	Financial Management	3			3						3	
MARK	2120	2120	Marketing Management	3		3	[3]						3	
MGMT	2010	2010	Business Ethics and the Individual	2	2								2	
MGMT	2110	2110	Organizational Behavior	3		[3]	3						3	
MGMT	2130	2130	Business Ethics and Social Responsibility	2				2	[2]				2	
SBMT	1111	1111	Business Student Induction	0	0								0	
LABU	2040	2040	Business Case Analyses	3			3	[3]					3	
LABU	2060	2060	Effective Communication in Business	3			[3]	3					3	
MATH	1003	1003	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR MATH 1023	3-4	3								3	
MATH	1012	1012	Calculus and Linear Algebra	3									3	
MATH	1013	1013	Calculus IA	4									3	
MATH	1013	1013	Calculus IB	3									3	
MATH	1020	1020	Accelerated Calculus	4									3	
MATH	1023	1023	Honors Calculus I	3									3	
Required credits for School Requirements				45-46									45	
Major Requirements														
Major Required Courses and Electives														
ISOM	3210	3210	Information Systems Analysis and Design	3				3					3	
ISOM	3230	3230	Note: ISOM 3230 OR ISOM 3320 OR ISOM 3400 (Students who have taken COMP 1022Q should take ISOM 3320 or ISOM 3400; students who have taken COMP 1022P should take ISOM 3230 or ISOM 3400; students who have taken COMP 1021 should take ISOM 3230 or ISOM 3320 to fulfill the IS program requirements.)	3				3					3	
ISOM	3260	3260	Database Design and Administration	4					4				4	
ISOM			IS Electives (Any 3 ISOM courses totaling 10 credits coded between 3000 and 3499; 4000 and 4499. For students who have taken the 6-credit course ISOM 4400 to fulfill the IS elective requirement, the minimum number of courses for this requirement may be reduced by one. Courses taken as Option Required Courses may not be counted towards this elective requirement.)	10				3	7				10	
Required credits for Major Required Courses and Electives				20									20	
Option Requirements														
Business Analytics Option														
ISOM	3360	3360	Data Mining for Business Analytics	3				3					3	
ISOM	3900	3900	Decision Analytics	3				3					3	
Required credits for Business Analytics Option				6									6	
AI Requirements														
Recommended Background Courses														
COMP/ISOM	1021	1021	Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3					3				3	
COMP	1022P	1022P	Introduction to Computer Science	3									3	
COMP	3230	3230	Introduction to Computing with Java	3									3	
ISOM			Business Applications Programming	3									3	
Remarks:														
1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021.														
2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).														
MATH	1014	1014	Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4									3	
MATH	1020	1020	Calculus II	3									3	
MATH	1024	1024	Accelerated Calculus	4									3	
MATH	1024	1024	Honors Calculus II	3									3	
Remarks:														
1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.														
ISOM/MATH	2500	2500	Note: ISOM 2500 OR MATH 2411	3-4									0	
ISOM	2411	2411	Business Statistics	3			[3]						0	
MATH			Applied Statistics	4									0	
Required credits for AI Recommended Background Courses				9-11									6	
Major Required Courses and Electives														
EMIA	2010A	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0				0					0	
EMIA	2020	2020	Cross-disciplinary Design Thinking	3				3					3	
COMP			Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									3	
COMP	2011	2011	Programming with C++	4				4					4	
COMP	2012	2012	Object-Oriented Programming and Data Structures	4									4	
COMP	2012H	2012H	Honors Object-Oriented Programming and Data Structures	5									4	
COMP	2211	2211	Note: COMP2211 OR COMP3211	3							3		3	
COMP	3211	3211	Exploring Artificial Intelligence	3									3	
COMP/EMIA/MATH			Fundamentals of Artificial Intelligence	3									3	
COMP	4211	4211	Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3	
EMIA	4110	4110	Machine Learning	3					3				3	
MATH	4432	4432	Practical Machine Learning	3									3	
EMIA			Statistical Machine Learning	3									3	
EMIA	4990	4990	Note: EMIA 4990 OR EMIA 4991	0-3									3	
EMIA	4991	4991	Interdisciplinary Capstone Design	0								3	3	
EMIA	4991	4991	Interdisciplinary Capstone Project	3									3	
SBM/SENG/SSCI/IPO			AI Electives	6-9					3	3			6	
Required credits for AI Required Courses and Electives				22-26									22	
University CORE														
CORE	C3 - C12	C3 - C12	U CORE - Others	30	0	3	3					12	12	30
CORE	C1 & C2	C1 & C2	U CORE - English Language	6	3	3								6
Sub-total for University CORE				36										36
Term load (excl. free credits)														
14 18 17 18 18 17 18 15														
129 (w/o option) 135 (w/ option)#														
<< Declaration of major														

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requireme

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The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management											Student's Pathways (i.e. Study Pattern)		
Department:		Department of Information Systems, Business Statistics and Operations Management											Pathway 1		
Program:		BBA in Marketing + Extended Major in Artificial Intelligence (AI)					Background: HKDSE 4 Core + 2 Elec							Profile: Normative	
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total			
School Requirements															
ISOM	2010	Introduction to Information Systems	3		[3]	3						3			
ISOM	2020	Coding for Business	1			1						1			
ISOM	2500	Business Statistics	3		3							3			
ISOM	2600	Introduction to Business Analytics	1			1						1			
ISOM	2700	Operations Management	3		[3]	3						3			
ACCT	2010	Principles of Accounting I	3	3								3			
ACCT	2200	Principles of Accounting II	3				3					3			
ECON <input type="checkbox"/>	<input type="checkbox"/>	Note: ECON 2103 OR ECON 2113 <input type="checkbox"/>	3												
ECON <input type="checkbox"/>	2103 <input type="checkbox"/>	Principles of Microeconomics <input type="checkbox"/>	3	[3]	3							3			
ECON <input type="checkbox"/>	2113 <input type="checkbox"/>	Microeconomics	3												
ECON <input type="checkbox"/>	<input type="checkbox"/>	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue <input type="checkbox"/>	3												
ECON <input type="checkbox"/>	2123 <input type="checkbox"/>	BSc ECOF must take ECON 3123) <input type="checkbox"/>	3			3	[3]					3			
ECON <input type="checkbox"/>	3123 <input type="checkbox"/>	Macroeconomics <input type="checkbox"/>	3												
FINA	2303	Financial Management	3			3						3			
MARK	2120	Marketing Management	3		3	[3]						3			
MGMT	2010	Business Ethics and the Individual	2	2								2			
MGMT	2110	Organizational Behavior	3		3	[3]						3			
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2			
SBMT	1111	Business Student Induction	0	0								0			
LABU	2040	Business Case Analyses	3				3					3			
LABU	2060	Effective Communication in Business	3						3			3			
MATH <input type="checkbox"/>	<input type="checkbox"/>	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR <input type="checkbox"/>	3-4												
MATH <input type="checkbox"/>	1003 <input type="checkbox"/>	MATH 1023 <input type="checkbox"/>	3	3								3			
MATH <input type="checkbox"/>	1012 <input type="checkbox"/>	Calculus and Linear Algebra <input type="checkbox"/>	3												
MATH <input type="checkbox"/>	1013 <input type="checkbox"/>	Calculus IA	4												
MATH <input type="checkbox"/>	1020 <input type="checkbox"/>	Calculus IB <input type="checkbox"/>	3												
MATH <input type="checkbox"/>	1023 <input type="checkbox"/>	Accelerated Calculus <input type="checkbox"/>	4												
MATH	1023	Honors Calculus I	3												
Required credits for School Requirements			45-46									45			
Major Requirements															
Major Required Courses and Electives															
MARK	3220	Marketing Research	4				[4]	4				4			
MARK	3420	Consumer Behavior	4				4	[4]				4			
MARK	4210	Strategic Marketing	4							4		4			
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12					4	4	4		12			
Required credits for Major Required Courses and Electives			24									24			
AI Requirements															
Recommended Background Courses															
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3												
COMP	1021	Introduction to Computer Science	3												
COMP	1022P	Introduction to Computing with Java	3												
ISOM	3230	Business Applications Programming	3												
Remarks:															
1) COMP 1021 is an exclusion to ISOM 2020. Students must complete ISOM2020 prior to COMP 1021.															
2) ISOM 3230 has ISOM 2010 as prerequisite (For non-BSc in Quantitative Finance students).															
MATH <input type="checkbox"/>	<input type="checkbox"/>	Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4												
MATH <input type="checkbox"/>	1014 <input type="checkbox"/>	Calculus II	3												
MATH <input type="checkbox"/>	1020 <input type="checkbox"/>	Accelerated Calculus	4												
MATH <input type="checkbox"/>	1024 <input type="checkbox"/>	Honors Calculus II	3												
Remarks:															
1) Only students who studied MATH1003 (A- or above), MATH1012, MATH1013, MATH1020 or MATH1023 are eligible to further study in these MATH courses.															
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4												
ISOM	2500	Business Statistics	3												
MATH	2411	Applied Statistics	4												
Required credits for AI Recommended Background Courses			9-11									6			
Major Required Courses and Electives															
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0			
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3			
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5												
COMP	2011	Programming with C++	4					4				4			
COMP	2012	Object-Oriented Programming and Data Structures	4												
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5												
COMP		Note: COMP2211 OR COMP3211	3												
COMP	2211	Exploring Artificial Intelligence	3							3		3			
COMP	3211	Fundamentals of Artificial Intelligence	3												
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3												
COMP	4211	Machine Learning	3												
EMIA	4110	Practical Machine Learning	3							3		3			
MATH	4432	Statistical Machine Learning	3												
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3												
EMIA	4990	Interdisciplinary Capstone Design	0					0			3	3			
EMIA	4991	Interdisciplinary Capstone Project	3												
SBM/SENG/SSCI/IPO		AI Electives	6-9						3	3	0	6			
Required credits for AI Required Courses and Electives			22-26									22			
University CORE															
CORE	C3 - C12	U CORE - Others	30	3	0	3	3	0	6	6	9	30			
CORE	C1 & C2	U CORE - English Language	6	3	3							6			
Sub-total for University CORE			36									36			
Term load (excl. free credits)															
				14	18	17	16	17	19	16	16				
133 #															

<< Declaration of major

Notes:
 [] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.
 # To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.
 >> The content of this example is not necessarily equivalent to a complete list of graduation requirements of the program. Students should refer to the Program Catalog/UG Curriculum Handbook for updated graduation requirements. For up-to-date information on course offering and scheduling, students should check it out from respective School and Department.

The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management		Student's Pathways (i.e. Study Pattern)									
Department:		Department of Management		Pathway 1									
Program:		BBA in Management + Extended Major in Artificial Intelligence (AI)		Background: HKDSE 4 Core + 2 Elec Profile: Normative									
Course <input type="checkbox"/> Offering <input type="checkbox"/> Dept <input type="checkbox"/> (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	
School Requirements													
	ISOM 2010	Introduction to Information Systems	3			3						3	
	ISOM 2020	Coding for Business	1			1						1	
	ISOM 2500	Business Statistics	3		3							3	
	ISOM 2600	Introduction to Business Analytics	1			1						1	
	ISOM 2700	Operations Management	3		3	[3]						3	
	ACCT 2010	Principles of Accounting I	3	3								3	
	ACCT 2200	Principles of Accounting II	3				3					3	
	ECON <input type="checkbox"/> ECON <input type="checkbox"/> ECON <input type="checkbox"/>	Note: ECON 2103 OR ECON 2113^ Principles of Microeconomics Microeconomics	3 3 3	3	[3]							3	
	ECON <input type="checkbox"/> ECON <input type="checkbox"/> ECON <input type="checkbox"/>	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123) Macroeconomics Macroeconomic Theory I	3 3 3			[3]	3					3	
	FINA 2303	Financial Management	3			3						3	
	MARK 2120	Marketing Management	3		3	[3]						3	
	MGMT 2010	Business Ethics and the Individual	2	2								2	
	MGMT 2110	Organizational Behavior	3		[3]	3						3	
	MGMT 2130	Business Ethics and Social Responsibility	2					2	[2]			2	
	SBMT 1111	Business Student Induction	0	0								0	
	LABU 2040	Business Case Analyses	3			3	[3]					3	
	LABU 2060	Effective Communication in Business	3			[3]	3					3	
	MATH <input type="checkbox"/> <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/>	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR MATH 1023 Calculus and Linear Algebra Calculus IA Calculus IB Accelerated Calculus Honors Calculus I	3-4 3 4 3 4 3	3								3	
Required credits for School Requirements			45-46									45	
Major Requirements													
Major Required Courses and Electives													
	MGMT 3110	Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) Human Resources Management	4 4				4	[4]				4	
	MGMT 3120	Managerial Leadership	4									4	
	MGMT 3130	Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this requirement.) Judgement and Decision Making in Organizations	4 4					4				4	
	MGMT 3140	Negotiation	4									4	
	MGMT 4210	Note: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Corporate Strategy	3-4 3						3			3	
	MGMT 4220	Entrepreneurship and Innovation	4									4	
	MGMT	MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taken as Option Required Courses may not be counted towards the elective requirement.)	9					3	3	3		9	
Required credits for Major Required Courses and Electives			20-21									20	
Option Requirements													
Consulting Option													
	MGMT 4250	Note: MGMT3110 OR MGMT3160 OR MGMT4230 Management Consulting	3-4 3								4	4	
Required credits for Consulting Option			6-7								3	7	
AI Requirements													
Recommended Background Courses													
	COMP/ISOM	Note: COMP 1021 OR COMP 1022P OR ISOM 3230 Introduction to Computer Science Introduction to Computing with Java Business Applications Programming	3 3 3				3					3	
	COMP 1021		3									3	
	COMP 1022P		3									3	
	ISOM 3230		3									3	
	MATH <input type="checkbox"/> <input type="checkbox"/> MATH <input type="checkbox"/> MATH <input type="checkbox"/>	Note: MATH 1014 OR MATH 1020 OR MATH 1024 Calculus II Accelerated Calculus Honors Calculus II	3-4 3 4 3		3	[3]						3	
	MATH 1014		3									3	
	MATH 1020		4									4	
	MATH 1024		3									3	
	ISOM/MATH	Note: ISOM 2500 OR MATH 2411 Business Statistics Applied Statistics	3-4 3 4		[3]							0	
	ISOM 2500		3									3	
	MATH 2411		4									4	
Required credits for AI Recommended Background Courses			9-11									6	
Major Required Courses and Electives													
	EMIA 2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0	
	EMIA 2020	Cross-disciplinary Design Thinking	3					3				3	
	COMP	Note: COMP 2011 OR COMP 2012 OR COMP 2012H Programming with C++ Object-Oriented Programming and Data Structures Honors Object-Oriented Programming and Data Structures	4-5 4 4 5					4				4	
	COMP 2011		4									4	
	COMP 2012		4									4	
	COMP 2012H		5									5	
	COMP 2211	Note: COMP2211 OR COMP3211 Exploring Artificial Intelligence	3							3		3	
	COMP 3211	Fundamentals of Artificial Intelligence	3									3	
	COMP/EMIA/MATH	Note: COMP 4211 OR EMIA 4110 OR MATH 4432 Machine Learning Practical Machine Learning Statistical Machine Learning	3 3 3						3			3	
	COMP 4211		3									3	
	EMIA 4110		3									3	
	MATH 4432		3									3	
	EMIA 4990	Note: EMIA 4990 OR EMIA 4991 Interdisciplinary Capstone Design	0-3 0								3	3	
	EMIA 4991	Interdisciplinary Capstone Project	3									3	
	SBM/SENG/SSCI/IPO	AI Electives	6-9						3	3		6	
Required credits for AI Required Courses and Electives			22-26									22	
University CORE													
	CORE C3 - C12	U CORE - Others	30	0	3	3	0	0	6	6	9	30	
	CORE C1 & C2	U CORE - English Language	6	3	3							6	
Sub-total for University CORE			36									36	
Term load (excl. free credits)													
				14	18	17	16	16	18	18	16		
129 (w/o option) 136 (w/ option)#													
<< Declaration of major													

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

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The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management											Student's Pathways (i.e. Study Pattern)	
Department:		Department of Information Systems, Business Statistics and Operations Management											Pathway 1	
Program:		BBA in Operations Management + Extended Major in Artificial Intelligence (AI)											Background: HKDSE 4 Core + 2 Elec Profile: Normative	
Course Offering Dept (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total		
School Requirements														
ISOM	2010	Introduction to Information Systems	3			3						3		
ISOM	2020	Coding for Business	1			1						1		
ISOM	2500	Business Statistics	3		3							3		
ISOM	2600	Introduction to Business Analytics	1			1						1		
ISOM	2700	Operations Management	3		3	[3]						3		
ACCT	2010	Principles of Accounting I	3	3								3		
ACCT	2200	Principles of Accounting II	3				3					3		
ECON	[]	Note: ECON 2103 OR ECON 2113	3	3								3		
ECON	2103	Principles of Microeconomics	3		[3]							3		
ECON	2113	Microeconomics	3									3		
ECON	[]	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue BSc ECOF must take ECON 3123)	3						3			3		
ECON	2123	Macroeconomics	3			[3]						3		
ECON	3123	Macroeconomic Theory I	3									3		
FINA	2303	Financial Management	3			3						3		
MARK	2120	Marketing Management	3		3	[3]						3		
MGMT	2010	Business Ethics and the Individual	2	2								2		
MGMT	2110	Organizational Behavior	3		[3]	3						3		
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2		
SBMT	1111	Business Student Induction	0	0								0		
LABU	2040	Business Case Analyses	3			3	[3]					3		
LABU	2060	Effective Communication in Business	3			[3]	3					3		
MATH	[]	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR MATH 1023	3-4									3		
MATH	1003	Calculus and Linear Algebra	3									3		
MATH	1012	Calculus IA	4		3							3		
MATH	1013	Calculus IB	3									3		
MATH	1020	Accelerated Calculus	4									3		
MATH	1023	Honors Calculus I	3									3		
Required credits for School Requirements			45-46									45		
Major Requirements														
Major Required Courses and Electives														
ISOM	3710	Business Modeling and Optimization	4				4					4		
ISOM	3770	Global Supply Chain Management	4					4				4		
ISOM		OM Electives (Any 4 ISOM courses coded between 3500 and 3999; 4500 and 4999. Students taking the Business Analytics Option can only use courses in the specified elective list to fulfill this requirement.)	12						6	3	3	12		
Required credits for Major Required Courses and Electives			20									20		
Option Requirements														
Business Analytics Option														
ISOM	3360	Data Mining for Business Analytics	3					3	[3]			3		
ISOM	3900	Decision Analytics	3						3			3		
Required credits for Business Analytics Option			6									6		
Option Requirements														
Supply Chain Management Option														
ISOM	3760	Logistics Management	3						3			3		
ISOM		Note: ISOM 3730 OR ISOM 4740 OR ISOM 4750 OR ISOM 4780	3-4					3-4				3-4		
Required credits for Supply Chain Management Option			6-7									6-7		
AI Requirements														
Recommended Background Courses														
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3				3					3		
MATH		Note: MATH 1014 OR MATH 1020 OR MATH 1024	3-4		3	[3]						3		
ISOM/MATH		Note: ISOM 2500 OR MATH 2411	3-4									0		
ISOM	2500	Business Statistics	3		[3]							0		
MATH	2411	Applied Statistics	4									0		
Required credits for AI Recommended Background Courses			9-11									6		
Major Required Courses and Electives														
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0		
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3		
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									4		
COMP	2011	Programming with C++	4					4				4		
COMP	2012	Object-Oriented Programming and Data Structures	4									4		
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5									4		
COMP	2211	Note: COMP2211 OR COMP3211	3							3		3		
COMP	3211	Exploring Artificial Intelligence	3									3		
COMP	3211	Fundamentals of Artificial Intelligence	3									3		
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3		
COMP	4211	Machine Learning	3						3			3		
EMIA	4110	Practical Machine Learning	3									3		
MATH	4432	Statistical Machine Learning	3									3		
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3									3		
EMIA	4990	Interdisciplinary Capstone Design	0								3	3		
EMIA	4991	Interdisciplinary Capstone Project	3									3		
SBM/SENG/SSCI/IPO		AI Electives	6-9						3	3		6		
Required credits for AI Required Courses and Electives			22-26									22		
University CORE														
CORE	C3 - C12	U CORE - Others	30	0	3	3	0	0	3	9	12	30		
CORE	C1 & C2	U CORE - English Language	6	3	3							6		
Sub-total for University CORE			36									36		
Term load (excl. free credits)														
				14	18	17	16	16-17	18	18	18			
129 (w/o option) 135 (w/ option)#														

<< Declaration of major

Notes:

[] denotes the course is also offered in other terms as indicated and students have the flexibility to take the course in one of these terms.

To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.

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The Hong Kong University of Science and Technology
 School of Business and Management
 An Example on Student's Pathway

<< Declaration of major

School:		School of Business and Management		Student's Pathways (i.e. Study Pattern)									
Department:		Department of Finance		Pathway 2									
Program:		BSc in Quantitative Finance + Extended Major in Artificial Intelligence (AI)		Background: HKDSE 4 Core + 2 Elec□ Profile: Normative									
Course □ Offering □ Dept □ (course code prefix)	Course Code	Course Title / Courses List	Credits	Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Sub-total	
School Requirements													
ISOM	2010	Introduction to Information Systems	3		3							3	
ISOM	2020	Coding for Business	1		1							1	
ISOM	2500	Business Statistics	3	3								3	
ISOM	2600	Introduction to Business Analytics	1		1							1	
ACCT	2010	Principles of Accounting I	3	3								3	
ECON □ ECON □ ECON	□ 2103 □ 2113	Note: ECON 2103 OR ECON 2113 □ Principles of Microeconomics □ Microeconomics	3 3 3	3	[3]							3	
ECON □ □ ECON □ ECON	□ □ 2123 □ 3123	Note: ECON 2123 OR ECON 3123 (Students who wish to pursue □ BSc ECOF must take ECON 3123) □ Macroeconomics □ Macroeconomic Theory I	3 3 3			3						3	
FINA	2303	Financial Management	3		3							3	
MGMT	2010	Business Ethics and the Individual	2		2							2	
MGMT	2130	Business Ethics and Social Responsibility	2					2	[2]			2	
SBMT	1111	Business Student Induction	0	0								0	
LABU	2040	Business Case Analyses	3			3	[3]					3	
LABU	2060	Effective Communication in Business	3				3					3	
MATH □ □ MATH MATH □ MATH □ MATH □ MATH	□ □ 1003 1012 □ 1013 □ 1020 □ 1023	Note: MATH 1003 OR MATH 1012 OR MATH1013 OR MATH 1020 OR □ MATH 1023 □ Calculus and Linear Algebra □ Calculus IA Calculus IB □ Accelerated Calculus □ Honors Calculus I	3-4 3 3 4 3 4 3	3								3	
Required credits for School Requirements			33-34									33	
Major Requirements													
Major Required Courses and Electives													
FINA	2101	Introduction to Finance	1			1						1	
FINA	3103	Intermediate Investments	3			3						3	
FINA	3203	Derivative Securities	3				3					3	
FINA	3303	Intermediate Corporate Finance	3					3				3	
FINA	3810	Bloomberg Market Concepts Certification	0			0						0	
FINA	4803	Quantitative Trading	3								3	3	
ECON	3334	Introduction to Econometrics	4				4					4	
ISOM	3230	Business Applications Programming	3			3						3	
MATH		Note: MATH 1014 OR MATH 1024 (Students taken MATH 1020 to fulfill the School Requirements may be exempted from this requirement)	0-3		3							3	
MATH	1014	Calculus II	3									3	
MATH	1024	Honors Calculus II	3									3	
MATH		Note: MATH 2011 OR MATH 2023	3-4									3	
MATH	2011	Introduction to Multivariable Calculus	3					3				3	
MATH	2023	Multivariable Calculus	4									4	
QFIN		Restricted Electives (Courses from the specified elective list, of which at least 3 credits from Area A, at least 6 credits from Area B, and at least 9 credits from Area C)	18						6	6	6	18	
Required credits for Major Required Courses and Electives			41-45									44	
AI Requirements													
Recommended Background Courses													
COMP/ISOM		Note: COMP 1021 OR COMP 1022P OR ISOM 3230	3									0	
COMP	1021	Introduction to Computer Science	3									3	
COMP	1022P	Introduction to Computing with Java	3									3	
ISOM	3230	Business Applications Programming	3									3	
												0	
												0	
												0	
Required credits for AI Recommended Background Courses			9-11									0	
Major Required Courses and Electives													
EMIA	2010A	Cross-disciplinary Seminar in Artificial Intelligence	0					0				0	
EMIA	2020	Cross-disciplinary Design Thinking	3					3				3	
COMP		Note: COMP 2011 OR COMP 2012 OR COMP 2012H	4-5									4	
COMP	2011	Programming with C++	4				4					4	
COMP	2012	Object-Oriented Programming and Data Structures	4									4	
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5									5	
COMP		Note: COMP2211 OR COMP3211	3									3	
COMP	2211	Exploring Artificial Intelligence	3					3				3	
COMP	3211	Fundamentals of Artificial Intelligence	3									3	
COMP/EMIA/MATH		Note: COMP 4211 OR EMIA 4110 OR MATH 4432	3									3	
COMP	4211	Machine Learning	3						3			3	
EMIA	4110	Practical Machine Learning	3									3	
MATH	4432	Statistical Machine Learning	3									3	
EMIA		Note: EMIA 4990 OR EMIA 4991	0-3									3	
EMIA	4990	Interdisciplinary Capstone Design	0							3		3	
EMIA	4991	Interdisciplinary Capstone Project	3									3	
SBM/SENG/SSCI/IPO		AI Electives	6-9						3		3	6	
Required credits for AI Required Courses and Electives			22-26									22	
University CORE													
CORE	C3 - C12	U CORE - Others	30	0	0	3	3	3	6	9	6	30	
CORE	C1 & C2	U CORE - English Language	6	3	3							6	
Sub-total for University CORE			36									36	
Term load (excl. free credits)													
15 16 16 17 17 18 18 18													
135#													
<< Declaration of major													

Notes:
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 # To graduate, students should complete at least 120 credits in approved courses. They may need to take courses additional to the required and elective courses as specified above to meet this minimum credit requirement.
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