

<< Declaration of BSc major << Declaration of BBA major

School:		Academy of Interdisciplinary Studies and School of Business Management				Student's Pathway										Remarks
Program:		Dual Degree Program (BSc in Integrative Systems and Design and BBA in Finance)														
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	Year 5 Fall	Year 5 Spring	Sub-total		
<b>BSc in Integrative Systems and Design</b>																
<b>Major Requirements</b>																
Major Required Courses and Electives																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3													
COMP	2011	Introduction to Computing with Java	3	3										3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020	
COMP	2012H	Programming with C++	4													
		Honors Object-Oriented Programming and Data Structures	5													
		Note: [MATH 1012 OR MATH 1013 OR MATH 1023 AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] (Subject to approval of the program office, MATH 1014/1024 may be replaced by a COMP course)	4-7													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3	3	3									6		
MATH	1014	Calculus II	3													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
PHYS	1101	Note: PHYS1101 OR PHYS1111 OR PHYS1112 OR PHYS1312	3-4													
PHYS	1111	Introductory Physics	4													
PHYS	1112	General Physics I	3		3									3		
PHYS	1312	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
ISDN	1001	Introduction to Integrative Systems and Design	3			3								3		
ISDN	1002	Redefining Problems for the Real Needs	3			3								3		
ISDN	1004	Sketching	1			1								1		
ISDN	1006	Human-centered Innovation	3				3							3		
ISDN	1010	Academic Orientation I	0			0	0							0		
ISDN	1011*	Industrial Training	0											0	Take in Winter or Summer	
ISDN	2001	Second Year Design Project I	1					1						1		
ISDN	2002	Second Year Design Project II	3						3					3		
ISDN	2010	Academic and Professional Development II	0					0	0					0		
ISDN	2200	Systems Thinking and Design	3			3								3		
ISDN	2300	Introduction to 3D Design	3			3								3		
ISDN	2400	Physical Prototyping	3						3					3		
ISDN	2601	Exploring the World Thorough Smart Mechatronics	3				3							3		
ISDN	2602	Internet of Things: Integrative System Design	3					3						3		
ISDN	2603	Materials, Shape and Design	3						3					3		
ISDN	3200	Graphic Communication	2							2				2		
ISDN	3001	Third Year Design Project I	3							3				3		
ISDN	3002	Third Year Design Project II	3								3			3		
ISDN	3010	Academic and Professional Development III	0							0	0			0		
ISDN	4001	Final Year Design Project I	4									4		4		
ISDN	4002	Final Year Design Project II	4										4	4		
ISDN	4010	Academic and Professional Development IV	0									0	0	0		
LANG	4032	Technical Communication II for IEDA and ISDN	3							3				3		
ISDN		Project-related Electives (Students should seek approval of their advisor for the choices of courses)	18					3	3	3	6	3		18		
ISDN/ENTR/TEMG/FINA/ISOM/MARK		Product Management and Entrepreneurship Electives (Courses from the specified elective list, of which at least 1 course must be at 3000-level or above.)	6									3		3	DDP students could use ISOM 2700/MARK 2120 to satisfy part of the requirement of Product Management and Entrepreneurship Electives	
<b>Required credits for Major Requirements Courses and Electives</b>			85-91											84		
<b>BBA in Finance</b>																
<b>School Requirements</b>																
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													
ECON	2123	Note: ECON 2123 OR ECON 3123	3					3						3		
ECON	3123	Macroeconomics	3													
FINA	2303	Financial Management	3				3							3	FINA 2303 is a major pre-requisite	
ISOM	2010	Introduction to Information Systems	3											0	Substituted by COMP 1021/ 1022P/ 2011/ 2012H	
ISOM	2020	Coding for Business	1											0	Waived for DDP students if they have taken and passed COMP 1021 or COMP 1029P	
ISOM	2500	Business Statistics	3			3								3		
ISOM	2600	Introduction to Business Analytics	1										1	0		
ISOM	2700	Operations Management	3									3		3		
MARK	2120	Marketing Management	3	3										3		
MGMT	2010	Business Ethics and the Individual	2							2				2		
MGMT	2110	Organizational Behavior	3				3							3		
MGMT	2130	Business Ethics and Social Responsibility	2								2			2		
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													
MATH	1012	Calculus and Linear Algebra	3													
MATH	1013	Calculus IA	4													
MATH	1013	Calculus IB	3	(3)										0	DDP students should take MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees	
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
<b>Required credits for School Requirements</b>			39-40											31		
<b>Major Requirements</b>																
Major Required Courses and Electives																
FINA	3001	Key Skills for Finance Professionals (A)	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		
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													
ACCT	3020	Financial Accounting I	3							3				3		
ACCT	3030	Financial Accounting II	3													
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3													
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3											3	If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230.	
ISOM	3400	Business Programming in VBA	3													
ISOM	3400	Business Applications Development in Python	3													
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9									3	3	3	9	
<b>Required credits for Major Required Courses and Electives</b>			25-28											25		
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
Required Courses																
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	T&M Case Analysis and Product Innovation	3		3									3		
TEMG	4950	T&M Corporate Consulting Project	3-5					4						4		
<b>Required credits for Additional Requirements</b>			7											7		
<b>University CORE</b>																
CORE	C3 - C9	U CORE - Others	21			3	6						3	9	21	
CORE	C1 & C2	U CORE - English Language	6	3	3										6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2										3	
<b>Sub-total for University CORE</b>			30											30		
Term load (excl. free credits)																
16 17 19 18 18 21 19 17 16 16																
177##																
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Notes:  
( ) indicates the reuse of the same course to fulfill more than one requirement.  
\* Courses offered in winter term  
^ Courses offered in summer term  
--- denotes the course/requirement is either waived or substituted  
## To graduate, students should complete all requirements as specified for DDP.

\*\*Remarks on course(s):

>> 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.