

<< 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 Marketing)			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	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits											
<b>BSc in Integrative Systems and Design</b>														
<b>Major Requirements</b>														
Major Required Courses and Electives														
COMP	1021	Introduction to Computer Science	3											
COMP	1022P	Introduction to Computing with Java	3	3										
COMP	2011	Programming with C++	4											
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5											
Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H			3-5											
Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020														
MATH	1012	Calculus IA	4											
MATH	1013	Calculus IB	3	3	3									
MATH	1014	Calculus II	3											
MATH	1020	Accelerated Calculus	4											
MATH	1023	Honors Calculus I	3											
MATH	1024	Honors Calculus II	3											
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											
6														
PHYS	1101	Introductory Physics	4											
PHYS	1111	General Physics I	3		3									
PHYS	1112	General Physics I with Calculus	3											
PHYS	1312	Honors General Physics I	3											
Note: PHYS1101 OR PHYS1111 OR PHYS1112 OR PHYS1312			3-4											
3														
ISDN	1001	Introduction to Integrative Systems and Design	3				3							
ISDN	1002	Redefining Problems for the Real Needs	3				3							
ISDN	1004	Sketching	1			1								
ISDN	1006	Human-centered Innovation	3				3							
ISDN	1010	Academic Orientation I	0			0	0							
ISDN	1011*	Industrial Training	0											
Take in Winter or Summer														
ISDN	2001	Second Year Design Project I	1					1						
ISDN	2002	Second Year Design Project II	3						3					
ISDN	2010	Academic and Professional Development II	0					0	0					
ISDN	2200	Systems Thinking and Design	3			3								
ISDN	2300	Introduction to 3D Design	3			3								
ISDN	2400	Physical Prototyping	3						3					
ISDN	2601	Exploring the World Through Smart Mechatronics	3				3							
ISDN	2602	Internet of Things: Integrative System Design	3					3						
ISDN	2603	Materials, Shape and Design	3						3					
ISDN	3200	Graphic Communication	2							2				
ISDN	3001	Third Year Design Project I	3							3				
ISDN	3002	Third Year Design Project II	3								3			
ISDN	3010	Academic and Professional Development III	0						0	0				
ISDN	4001	Final Year Design Project I	4								4			
ISDN	4002	Final Year Design Project II	4									4		
ISDN	4010	Academic and Professional Development IV	0							0	0			
LANG	4032	Technical Communication II for IEDA and ISDN	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/SOM/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 Marketing</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	Principles of Microeconomics	3		3								3	
ECON	2113	Microeconomics	3										3	
Note: ECON 2103 OR ECON 2113			3										3	
ECON	2123	Macroeconomics	3				3						3	
ECON	3123	Macroeconomic Theory I	3										3	
FINA	2303	Financial Management	3				3						3	
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	
MARK 2120 is a major pre-requisite														
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	Calculus and Linear Algebra	3-4											
MATH	1012	Calculus IA	4											
MATH	1013	Calculus IB	3											
MATH	1020	Accelerated Calculus	4											
MATH	1023	Honors Calculus I	3											
Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023			3-4											
(3)														
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														
<b>Required credits for School Requirements</b>			39-40										31	
<b>Major Requirements</b>														
Major Required Courses and Electives														
MARK	3220	Marketing Research	4					4					4	
MARK	3420	Consumer Behavior	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														
<b>Required credits for Major Required Courses and Electives</b>			24										24	
<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	
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	
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 21 19 17 18 14 17														
176##														
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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.