

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

School:		School of Engineering 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>																	
<b>Engineering Fundamental Courses</b>																	
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5														
COMP	1022P	Introduction to Computer Science	3	3											3		
COMP	2011	Introduction to Computing with Java	4														
COMP	2012H	Programming with C++	5														
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
LANG	2030	Technical Communication I	3												0		
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)																	
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														
Note: PHYS1101 OR PHYS1111 OR PHYS1112 OR PHYS1312																	
PHYS	1101	Introductory Physics	3														
PHYS	1111	General Physics I	3		3										3		
PHYS	1112	General Physics I with Calculus	3														
PHYS	1312	Honors General Physics I	3														
<b>Required credits for Engineering Fundamental Courses</b>			13-18												12		
<b>Major Required Courses and Electives</b>																	
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	2001	Second Year Design Project I	1					1							1		
ISDN	2002	Second Year Design Project II	4						4						4		
ISDN	2200	Systems Thinking and Design	3				3								3		
ISDN	2300	Digital Design	3				3								3		
ISDN	2400	Physical Prototyping	3						3						3		
ISDN	3001	Third Year Design Project I	4							4					4		
ISDN	3002	Third Year Design Project II	4								4				4		
ISDN	4001	Final Year Design Project I	5									5			5		
ISDN	4002	Final Year Design Project II	5										5		5		
LANG	4032	Technical Communication II for IEDA and ISDN	3							3					3		
Design Electives (5 credits from the specified elective list)																	
Product Management and Entrepreneurship Electives (9 credits from the specified elective list)																	
Project-related Electives (22 credits from the specified elective list. Students should seek approval of their advisor for the choices of courses)																	
ISDN/ENGG/IEDA			36				5	3	3	3	7	3	6		30		
ISDN/ENTR/IEDA/SBM																	
ISDN																	
<b>Required credits for Major Requirements Courses and Electives</b>			78												72		
<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		
Note: ECON 2103 OR ECON 2113																	
ECON	2103	Principles of Microeconomics	3				3								3		
ECON	2113	Microeconomics	3														
Note: ECON 2123 OR ECON 3123																	
ECON	2123	Macroeconomics	3					3							3		
ECON	3123	Macroeconomic Theory I	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							1		
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		
LABU	2040	Business Case Analyses	3												0		
Waived for DDP students																	
LABU	2060	Effective Communication in Business	3							3					3		
Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023																	
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														
			(3)												0		
<b>Required credits for School Requirements</b>			43-44												35		
<b>Major Requirements</b>																	
<b>Major Required Courses and Electives</b>																	
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		
Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030																	
ACCT	3010	Financial Accounting I	3-6														
ACCT	3020	Financial Accounting II	3														
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3												3		
Note: ISOM 3230 OR ISOM 3400																	
ISOM	3230	Business Applications Programming	3						3						3		
ISOM	3400	Python Programming for Business Analytics	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>																	
<b>Required Courses</b>																	
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			6	6	3			3	3			21		
CORE	C1 & C2	U CORE - English Language	6	3	3										6		
CORE	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	20	19	19	19	20	16	16				
181##																	

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):