

<< 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 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													
BSc in Integrative Systems and Design																
Major Requirements																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3	3												
COMP	2011	Introduction to Computing with Java	4													
COMP	2012H	Programming with C++	4													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	4													
LANG	2030	Technical Communication I	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													
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													
PHYS	1101	Note: PHYS1101 OR PHYS1111 OR PHYS1112 OR PHYS1312	4													
PHYS	1111	Introductory Physics	3													
PHYS	1112	General Physics I	3													
PHYS	1112	General Physics I with Calculus	3													
PHYS	1312	Honors General Physics I	3													
Required credits for Engineering Fundamental Courses			13-18												12	
Major Required Courses and Electives																
ISDN	1001	Introduction to Integrative Systems and Design	3													
ISDN	1002	Redefining Problems for the Real Needs	3													
ISDN	1004	Sketching	1													
ISDN	1006	Human-centered Innovation	3													
ISDN	1010	Academic Orientation I	0													
ISDN	1011*	Industrial Training	0													
ISDN	2001	Second Year Design Project I	1													
ISDN	2002	Second Year Design Project II	4													
ISDN	2010	Academic Orientation II	0													
ISDN	2200	Systems Thinking and Design	3													
ISDN	2300	Digital Design	3													
ISDN	2400	Physical Prototyping	3													
ISDN	2601	Exploring the World Through Smart Mechatronics	3													
ISDN	2602	Internet of Things: Integrative System Design	3													
ISDN	2603	Materials, Shape and Design	3													
ISDN	3200	Graphic Communication	2													
ISDN	3001	Third Year Design Project I	4													
ISDN	3002	Third Year Design Project II	4													
ISDN	3010	Academic Orientation III	0													
ISDN	4001	Final Year Design Project I	5													
ISDN	4002	Final Year Design Project II	5													
ISDN	4010	Academic Orientation IV	0													
LANG	4030	Note: LANG 4030 OR LANG 4031 OR LANG 4032 OR LANG 4034	3													
LANG	4031	Technical Communication II for CSE, CPEG & DSCT	3													
LANG	4032	Technical Communication II for ECE & CPEG	3													
LANG	4034	Technical Communication II for IEDA and ISDN	3													
ISDN		Project-related Electives (Students should seek approval of their advisor for the choices of courses)	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													
Required credits for Major Requirements Courses and Electives			78												72	
BBA in Marketing																
School Requirements																
ACCT	2010	Principles of Accounting I	3	3												
ACCT	2200	Principles of Accounting II	3													
ECON	2103	Note: ECON 2103 OR ECON 2113	3													
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3													
ECON	3123	Macroeconomics	3													
FINA	2303	Macroeconomic Theory I	3													
FINA	2303	Financial Management	3													
ISOM	2010	Introduction to Information Systems	3													
ISOM	2020	Coding for Business	1													
ISOM	2500	Business Statistics	3													
ISOM	2600	Introduction to Business Analytics	1													
ISOM	2700	Operations Management	3													
MARK	2120	Marketing Management	3	3												
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2110	Organizational Behavior	3													
MGMT	2130	Business Ethics and Social Responsibility	2													
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3													
LANG	2062	Professional Writing for the Workplace	3													
LANG	3060	Professional Speaking for the Workplace	3													
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													
MATH	1020	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements			45-46												34	
Major Requirements																
Major Required Courses and Electives																
MARK	3220	Marketing Research	4													
MARK	3420	Consumer Behavior	4													
MARK	4210	Strategic Marketing	4													
MARK		MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified)	12													
Required credits for Major Required Courses and Electives			24												24	
Additional Requirements																
Requirements for Dual Degree Program																
Required Courses																
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TEMG	3950	T&M Case Analysis and Product Innovation	3													
TEMG	4950	T&M Corporate Consulting Project	3-5													
Required credits for Additional Requirements			7												7	
University CORE																
CORE	C3 - C9	U CORE - Others	21													
CORE	C1 & C2	U CORE - English Language	6	3	3											
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											
Sub-total for University CORE			30												30	
															Term load (excl. free credits)	
															16	17
															19	18
															21	19
															17	18
															17	17
															179##	

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.