

<< 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)			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													
COMP	2011	Introduction to Computing with Java	3	3												
COMP	2012H	Programming with C++	4													
LANG	2030	Honors Object-Oriented Programming and Data Structures	5													
		Technical Communication I	3	---	---	---	---	---	---	---	---	---	---	---	0	Waived for DDP students
		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 with Calculus	3		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													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						0
ISDN	1011*	Industrial Training	0													0
ISDN	2001	Second Year Design Project I	1													1
ISDN	2002	Second Year Design Project II	4													3
ISDN	2010	Academic Orientation II	0						0	0						0
ISDN	2200	Systems Thinking and Design	3													3
ISDN	2300	Digital 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	4													3
ISDN	3002	Third Year Design Project II	4													3
ISDN	3010	Academic Orientation III	0													0
ISDN	4001	Final Year Design Project I	5													4
ISDN	4002	Final Year Design Project II	5													4
ISDN	4010	Academic Orientation IV	0													0
LANG	4030	Note: LANG 4030 OR LANG 4031 OR LANG 4032 OR LANG 4034	3													3
LANG	4031	Technical Communication II for CSE, CPEG & DSCT	3													3
LANG	4032	Technical Communication II for ECE & CPEG	3													3
LANG	4034	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													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
Required credits for Major Requirements Courses and Electives			78													72
BBA in Finance																
School Requirements																
ACCT	2010	Principles of Accounting I	3	3												3
ACCT	2200	Principles of Accounting II	3													3
ECON	2103	Note: ECON 2103 OR ECON 2113	3													3
ECON	2113	Principles of Microeconomics	3		3											3
ECON	2123	Note: ECON 2123 OR ECON 3123	3													3
ECON	3123	Macroeconomics	3													3
FINA	2303	Financial Management	3													3
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2020	Coding for Business	1	---	---	---	---	---	---	---	---	---	---	---	---	0
ISOM	2500	Business Statistics	3													3
ISOM	2600	Introduction to Business Analytics	1													1
ISOM	2700	Operations Management	3													3
MARK	2120	Marketing Management	3	3												3
MGMT	2010	Business Ethics and the Individual	2													2
MGMT	2110	Organizational Behavior	3													3
MGMT	2130	Business Ethics and Social Responsibility	2													2
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3													3
LANG	2062	Professional Writing for the Workplace	3													3
LANG	3060	Advanced Academic Writing	3													3
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4													0
MATH	1012	Calculus and Linear Algebra	3													3
MATH	1013	Calculus IA	4													4
MATH	1020	Accelerated Calculus	4													4
MATH	1023	Honors Calculus I	3													3
Required credits for School Requirements			45-46													34
Major Requirements																
Major Required Courses and Electives																
FINA	3001	Key Skills for Finance Professionals (A)	1													1
FINA	3103	Intermediate Investments	3													3
FINA	3203	Derivative Securities	3													3
FINA	3303	Intermediate Corporate Finance	3													3
FINA	3810	Bloomberg Market Concepts Certification	0													0
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													3
ACCT	3020	Financial Accounting I	3													3
ACCT	3030	Financial Accounting II	3													3
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3													3
ISOM	3400	Business Programming in VBA	3													3
FINA		Business Applications Development in Python	3													3
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9													9
Required credits for Major Required Courses and Electives			25-28													25
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													3
TEMG	4950	T&M Corporate Consulting Project	3-5													4
Required credits for Additional Requirements			7													7
University CORE																
CORE	C3 - C9	U CORE - Others	21													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
Sub-total for University CORE			30													30
Term load (excl. free credits)																
16 17 19 18 21 19 17 19 16																
180##																
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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.