

An Example on Student's Pathway (as of August 3, 2023)

<< 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 General Business Management)				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	
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	Introduction to Computer Science		3-5												
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												
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		4												
PHYS	1111	General Physics I		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
ISDN	1011*	Industrial Training		0												0
Take in Winter or Summer																
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
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 Thorough 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
Note: LANG 4030 OR LANG 4031 OR LANG 4032 OR LANG 4034																
LANG	4030	Technical Communication II for CSE, CPEG & DSCT		3												3
LANG	4031	Technical Communication II for ECE & CPEG		3												3
LANG	4032	Technical Communication II for IEDA and ISDN		3												3
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering		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 General Business Management																
School Requirements																
ACCT	2010	Principles of Accounting I		3	3											3
ACCT	2200	Principles of Accounting II		3												3
Note: ECON 2103 OR ECON 2113																
ECON	2103	Principles of Microeconomics		3												3
ECON	2113	Microeconomics		3		3										
Note: ECON 2123 OR ECON 3123																
ECON	2123	Macroeconomics		3												3
ECON	3123	Macroeconomic Theory I		3												3
FINA	2303	Financial Management		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
ISOM	2600	Introduction to Business Analytics		1												0
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
Note: LANG 2061 OR 2062 OR 3060																
LANG	2061	Professional Writing for the Workplace		3												3
LANG	2062	Professional Speaking for the Workplace		3												3
LANG	3060	Advanced Academic Writing		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												0
MATH	1012	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																
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)		29												29
Required credits for Major Required Courses and Electives				29												29
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
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 17 19 20 20 19 19																
184##																
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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.