

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										Remarks				
Program:		Dual Degree Program (BEng in Mechanical Engineering 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																
BEng in Mechanical Engineering																			
Major Requirements																			
Engineering Fundamental Courses																			
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011	3-4																
COMP	1022P	Introduction to Computer Science	3	3												3			
COMP	2011	Introduction to Computing with Java Programming with C++	4																
ENGG	1010	Academic Orientation	0	0	0											0			
LANG	2030	Technical Communication I	3				3									3			
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7																
MATH	1013	Calculus IA	4																
MATH	1014	Calculus IB	3	3	3											6			
MATH	1020	Accelerated Calculus	4																
MATH	1023	Honors Calculus I	3																
MATH	1024	Honors Calculus II	3																
MATH	2011	Introduction to Multivariable Calculus	3					3								3			
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3																
MATH	2350	Matrix Algebra and Applications	3							3						3			
MATH	2351	Applied Linear Algebra and Differential Equations	3																
PHYS	1112	Note: PHYS1112 OR PHYS1312	3																
PHYS	1312	General Physics I with Calculus	3		3											3			
CHEM/LIFS/ PHYS		Science 1000-level course (Any 1 course of the subject and level as specified)	3		(3)											0			
Required credits for Engineering Fundamental Courses			22-26													21			
Major Required Courses and Electives																			
MECH	1990	Industrial Training	0				0*	0*								0			
MECH	2020	Statics and Dynamics	3				3									3			
MECH	2040	Solid Mechanics I	3						3							3			
MECH	2210	Fluid Mechanics	3						3							3			
MECH	2310	Thermodynamics	3				3									3			
MECH	2410	Engineering Materials I	3				3									3			
MECH	2520	Design and Manufacturing I	3				3									3			
MECH	3030	Mechanisms of Machinery	3					3								3			
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710	3																
MECH	3420	Energy Conversion	3							3						3			
MECH	3520	Engineering Materials II	3																
MECH	3710	Design and Manufacturing II	3																
MECH	3710	Manufacturing Processes and Systems	3																
MECH	3310	Heat Transfer	3							3						3			
MECH	3610	Control Principles	3					3								3			
MECH	3630	Electrical Technology	3						3							3			
MECH	3830	Laboratory	3								3					3			
MECH	3907	Mechatronic Design and Prototyping	3							3						3			
MECH	4900	Final Year Design Project	6										3	3		6			
ELEC	2420	Basic Electronics	3				3									3			
ENGG	2010	Engineering Seminar Series	0			0	0	0	0							0			
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering	3									3				3			
Required credits for Major Requirements Courses and Electives			51													51			
BBA in Finance																			
School Requirements																			
ACCT	2010	Principles of Accounting I	3		3											3			
ACCT	2200	Principles of Accounting II	3				3									3			
ECON	2103	Note: ECON 2103 OR ECON 2113	3				3									3			
ECON	2113	Principles of Microeconomics	3																
ECON	2123	Note: ECON 2123 OR ECON 3123	3							3						3			
ECON	3123	Macroeconomics	3																
FINA	2303	Financial Management	3				3									3			
ISOM	2010	Introduction to Information Systems	3	---	---	---	---	---	---	---	---	---	---	---	---	0			
ISOM	2020	Coding for Business	1	---	---	---	---	---	---	---	---	---	---	---	---	0			
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			
SBMT	1111	Business Student Induction	0	---	---	---	---	---	---	---	---	---	---	---	---	0			
LABU	2040	Business Case Analyses	3						3							3			
LABU	2060	Effective Communication in Business	3								3					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			43-44													38			
Major Requirements																			
Major Required Courses and Electives																			
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			
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6																
ACCT	3020	Financial Accounting I	3						3							3			
ACCT	3030	Financial Accounting II	3																
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3																
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3																
ISOM	3400	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			
Required credits for Major Required Courses and Electives			25-28													25			
Additional Requirements																			
Requirements for Dual Degree Program																			
Required Courses																			
TEMG	1010	Technology and Management Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TEMG	3950	Case-based Problem Solving	3			3										3			
Required credits for Additional Requirements			3													3			
University CORE																			
CORE	C3 - C12	U CORE - Others	30	6								9	6	9		30			
CORE	C1 & C2	U CORE - English Language	6	3	3											6			
Sub-total for University CORE			36													36			
Term load (excl. free credits)																			
15					15					18					18				
174##																			

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.