

<< 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 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													
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5													
LANG	2030	Technical Communication I	3	---	---	---	---	---	---	---	---	---	---	---	---	0
Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020																
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)]	4-7													
MATH	1012	OR [MATH 1020]	4													
MATH	1013	Calculus IA	3	3	3											
MATH	1014	Calculus IB	3													
MATH	1020	Calculus II	3													
MATH	1023	Accelerated Calculus	4													
MATH	1024	Honors Calculus I	3													
MATH	1024	Honors Calculus II	3													
MATH	2011	Introduction to Multivariable Calculus	3					3								
MATH	2111	Note: MATH2111 OR MATH2350 OR MATH2351	3													
MATH	2350	Matrix Algebra and Applications	3													
MATH	2351	Applied Linear Algebra and Differential Equations	3													
MATH	2351	Introduction to Differential Equations	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312	3													
PHYS	1312	General Physics I with Calculus	3		3											
PHYS	1312	Honors General Physics I	3													
PHYS	1101	[1 course from the specified course list]	3													
PHYS	1101	Introductory Physics	3													
CHEM	1008	Introductory Chemistry	3													
CHEM	1020	General Chemistry I	3		(3)											
LIFS	1901	General Biology I	3													
Required credits for Engineering Fundamental Courses																
22-26																
Major Required Courses and Electives																
MECH	1990	Industrial Training	0					0*	0*							
MECH	1906	Mechanical Engineering for Modern Life	3					3								
MECH	2020	Statics and Dynamics	3					3								
MECH	2040	Solid Mechanics I	3								3					
MECH	2210	Fluid Mechanics	3								3					
MECH	2310	Thermodynamics	3					3								
MECH	2410	Engineering Materials I	3								3					
MECH	2520	Design and Manufacturing I	3					3								
MECH	3030	Mechanisms of Machinery	3													
MECH	3300	Note: MECH3300 OR MECH3420 OR MECH3520 OR MECH3710	3													
MECH	3420	Energy Conversion	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													
MECH	3610	Control Principles	3													
MECH	3630	Electrical Technology	3													
MECH	3830	Laboratory	3													
MECH	3907	Mechatronic Design and Prototyping	3													
MECH	4900	Final Year Design Project	6													
ELEC	2420	Basic Electronics	3					3								
ENGG	2010	Engineering Seminar Series	0					0	0	0	0					
LANG	4034	Technical Communication II for Mechanical and Aerospace Engineering	3													
Required credits for Major Requirements Courses and Electives																
51																
BBA in Finance																
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					3								
ECON	2113	Principles of Microeconomics	3													
ECON	2123	Note: ECON 2123 OR ECON 3123	3													
ECON	3123	Macroeconomics	3													
ECON	3123	Macroeconomic Theory I	3													
FINA	2303	Financial Management	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													
ISOM	2700	Operations Management	3													
MARK	2120	Marketing Management	3													
MGMT	2010	Business Ethics and the Individual	2													
MGMT	2110	Organizational Behavior	3													
MGMT	2130	Business Ethics and Social Responsibility	2													
LABU	2040	Business Case Analyses	3	---	---	---	---	---	---	---	---	---	---	---	---	0
LABU	2060	Effective Communication in Business	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	1020	Calculus IB	3													
MATH	1023	Accelerated Calculus	4													
MATH	1023	Honors Calculus I	3													
Required credits for School Requirements																
43-44																
Major Requirements																
Major Required Courses and Electives																
FINA	3001	Key Skills for Finance Professionals (A)	1													
FINA	3103	Intermediate Investments	3													
FINA	3203	Derivative Securities	3													
FINA	3303	Intermediate Corporate Finance	3													
FINA	3810	Bloomberg Market Concepts Certification	0													
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6													
ACCT	3020	Financial Accounting I	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													
ISOM	3400	Python Programming for Business Analytics	3													
FINA	3000-level or above Electives (Any 3 courses of the subject and level as specified)		9													
Required credits for Major Required Courses and Electives																
25-28																
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																
University CORE																
CORE	C3 - C9	U CORE - Others	21													
CORE	C1 & C2	U CORE - English Language	6	3	3											
CORE	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											
Sub-total for University CORE																
30																
Term load (excl. free credits)																
16 17 15 15 17 21 21 17 15 15																
169##																

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.