

<< 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													
<b>BEng in Mechanical Engineering</b>																
<b>Major Requirements</b>																
Engineering Fundamental Courses																
COMP	1021	Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H	3-5													
COMP	1022P	Introduction to Computer Science	3	3												3
COMP	2011	Introduction to Computing with Java	3													
COMP	2012H	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)	4-7													
MATH	1012	Calculus IA	4													
MATH	1013	Calculus IB	3													
MATH	1014	Calculus II	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													
MATH	2351	Introduction to Differential Equations	3													
PHYS	1112	Note: PHYS1112 OR PHYS1312	3													
PHYS	1312	General Physics I with Calculus	3		3											3
PHYS	1312	Honors General Physics I	3													
		[1 course from the specified course list]	3 or 4													
PHYS	1101	Introductory Physics	4		(3)											0
CHEM	1008	Introductory Chemistry	3													
CHEM	1020	General Chemistry I	3													
LIFS	1901	General Biology I	3													
<b>Required credits for Engineering Fundamental Courses</b>			22-26													18
<b>Major Required Courses and Electives</b>																
MECH	1990	Industrial Training	0			0*	0*									0
MECH	1906	Mechanical Engineering for Modern Life	3			3										3
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													
MECH	3520	Engineering Materials II	3								3					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
<b>Required credits for Major Requirements Courses and Electives</b>			51													54
<b>BBA in Finance</b>																
<b>School Requirements</b>																
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													
ECON	3123	Macroeconomic Theory I	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
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
LANG	2061	Note: LANG 2061 OR 2062 OR 3060	3													
LANG	2062	Professional Writing for the Workplace	3										3			3
LANG	3060	Advanced Academic Writing	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													
<b>Required credits for School Requirements</b>			43-44													35
<b>Major Requirements</b>																
<b>Major Required Courses and Electives</b>																
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	3020	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 Programming in VBA	3								3					3
ISOM	3400	Business Applications Development in Python	3													
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9										3	3	3	9
<b>Required credits for Major Required Courses and Electives</b>			25-28													25
<b>Additional Requirements</b>																
<b>Requirements for Dual Degree Program</b>																
<b>Required Courses</b>																
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											3
TEMG	4950	T&M Corporate Consulting Project	3-5						4							4
<b>Required credits for Additional Requirements</b>			7													7
<b>University CORE</b>																
CORE	C3 - C9	U CORE - Others	21					6					6	3	6	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
<b>Sub-total for University CORE</b>			30													30
Term load (excl. free credits)																
16 17 15 18 18 21 18 15 17 14																
169##																
<< Declaration of BEng major << Declaration of BBA major																

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):