

			<< Selection of BEng major			<< Declaration of BEng major			<< Selection of BBA major												
School:			School of Engineering and School of Business Management			Student's Pathway															
Program:			Dual Degree Program (BEng in Mechanical Engineering and BBA in Global Business)																		
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits	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	Summer	Remarks						
BEng in Mechanical Engineering																					
Engineering Fundamental Courses																					
COMP	1023	Note: COMP1023 OR COMP2011 OR COMP2012H	3-5												3	Students should take COMP 1023, COMP 2011 or COMP 2012H which will also be used to substitute ISOM 2010 and to waive ISOM 2020					
COMP	2011	Introduction to Python Programming	4	3																	
COMP	2012H	Programming with C++	3																		
		Honors Object-Oriented Programming and Data Structures	4																		
		Note: (MATH 1013 OR MATH1023) AND (MATH 1014 OR MATH 1024) OR (MATH 1020)	4-7																		
MATH	1013	Calculus I	3	3	3										6	DDP students should take MATH 1013 or MATH 1020 or MATH 1023 to satisfy the requirements of both BEng and BBA degrees					
MATH	1014	Calculus II	3																		
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						
		Note: MATH2111 OR MATH2350 OR MATH2351	3												3						
MATH	2111	Matrix Algebra and Applications	3				3														
MATH	2350	Applied Linear Algebra and Differential Equations	3																		
MATH	2351	Introduction to Differential Equations	3																		
		Note: PHYS1112 OR PHYS1312	3																		
PHYS	1112	General Physics I with Calculus	3		3										3						
PHYS	1312	Honors General Physics I	3																		
		Science 1000-level course (1 course of the specified course list)	3-4												3						
CHEM	1008	Introductory Chemistry	3		3																
CHEM	1012	General Chemistry B: Atomic Structure, Molecules, and Bonding Theories	3																		
LIFS	1001	General Biology I	3																		
PHYS	1101	Introductory Physics	4																		
Required Credits for Engineering Fundamental Courses			19-25	6	9	3	3	0	0	0	0	0	0	0	21						
Major Required Courses and Electives																					
MECH	1001	Academic and Professional Development I	0	0	0	0	0								0						
MECH	1910	Foundations of Mechanical and Aerospace Engineering	3	3											3						
MECH	1999	Industrial Training	0			0*	0*								0						
MECH	2002	Academic and Professional Development II	0					0	0	0	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						
		Note: MECH3030 OR MECH3420 OR MECH3710	3												3						
MECH	3300	Energy Conversion	3					3													
MECH	3420	Engineering Materials II	3																		
MECH	3710	Manufacturing Processes and Systems	3																		
MECH	3910	Heat Transfer	3					3									3				
MECH	3910	Control Principles	3					3							3						
MECH	3930	Electrical Technology	3						3						3						
MECH	3930	Laboratory	3							3					3						
MECH	3937	Monitoring, Design and Prototyping	3						3						3						
MECH	4900	Final Year Design Project	6									3	3	6							
ELEC	2420	Basic Electronics	3			3									3						
BEng in Mechanical Engineering Major Requirements			51	3	0	9	12	12	9	0	0	0	3	3	51						
BBA in Global Business																					
School Requirements																					
ACCT	2010	Principles of Accounting I	3	3											3						
ACCT	2200	Principles of Accounting II	3						3						3						
		Note: ECON 2103 OR ECON 2113	3												3						
ECON	2103	Principles of Microeconomics	3			3															
ECON	2113	Microeconomics	3																		
		Note: ECON 2103 OR ECON 3123	3																		
ECON	3123	Macroeconomics	3						3						3						
		Macroeconomic Theory I	3												3						
FINA	2203	Financial Management	3			3															
ISOM	2010	Introduction to Information Systems	3	-	-	-	-	-	-	-	-	-	-	0			COMP 1023, COMP 2011 or COMP 2012H are more advanced computing courses as compared to ISOM 2010. Students SHOULD take COMP 1023, COMP 2011 or COMP 2012H instead of ISOM 2010.				
ISOM	2020	Coding for Business	1	-	-	-	-	-	-	-	-	-	-	0			ISOM 2020 is waived for DDP students who have taken and passed COMP 1023, COMP 2011 or COMP 2012H. These COMP courses are similar or more advanced coding (Python) courses as ISOM 2020.				
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						
		Note: MATH 1003 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4												0	DDP students should take MATH 1013 and MATH 1023 or MATH 1020 to satisfy the requirements of both BEng and BBA degrees					
MATH	1003	Calculus and Linear Algebra	3																		
MATH	1013	Calculus II	3	(3)																	
MATH	1020	Accelerated Calculus	4																		
MATH	1023	Honors Calculus I	3																		
Required Credits for School Requirements			30-40	6	3	6	3	4	3	0	0	0	5	2	32						
Major Required Courses and Electives																					
GBUS	1000	Global Leadership Development	0					0	0	0	0	0	0	0	0						
GBUS	2010	Global Business Analysis	3												3						
		Note: GBUS 2040 OR SBMT 2100-2110	1-4																		
GBUS	2040	Environmental, Social, and Governance (ESG) Corporate Project	1-4					1		[1]					1						
SBMT	2100-2110	Community Services Project	4																		
		Note: GBUS 3030 OR ISOM 4780	3-4												3						
GBUS-ISOM	3030	Global Business Case Studies	4							3		[2]									
GBUS	4780	Advanced Research and Innovation	3																		
ISOM	4910	Capstone Project	4								4	[4]					4				
		Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.)	15								6	3	6	15							
Required Credits for Major Required Courses and Electives			26-30	0	0	0	0	0	0	4	3	6	7	6	26						
Additional Requirement for Dual Degree																					
Requirements for Dual Degree Program																					
TEMG	1011	T&M Professional Activities I	0	0	0										0						
TEMG	1012	T&M Professional Activities II	0		0										0						
TEMG	1013	T&M Professional Activities III	0				0	0	0						0						
TEMG	1014	T&M Professional Activities IV	0							0	0				0						
TEMG	1015	T&M Professional Activities V	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						
Required Credits for Additional Requirements			7	0	3	0	0	0	0	0	4	0	0	0	7						
University Common Core Requirement																					
CORE	C1 - C9	U CORE - Others	21							9	9		3	21							
CORE	C1 & C2	U CORE - English Language	6	3	3									6							
HAWAII	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2									3							
Sub-total for University CORE			30	4	5	0	0	0	0	0	9	9	0	3	30						
Term Grad (prev. five credits)																					
19 20 18 18 19 16 16 15 15 14 167																					