

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

School:		School of Science and School of Business Management			Student's Pathway										Remarks
Program:		Dual Degree Program (BSc in Biotechnology 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	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List		Credits											
BSc in Biotechnology															
School Requirements															
COMP	1021	Introduction to Computer Science		3-4											3
COMP	1022P	Introduction to Computing with Java		3			3								3
COMP	2011	Programming with C++		4											4
LANG	2010	English for Science I		3	---	---	---	---	---	---	---	---	---	---	0
SSCI		Science Foundation courses (8 courses from the specified elective list. Students should take (i) 7 foundation lecture courses, including at least 1 lecture course, but no more than 3 lecture courses, from each of the four disciplines: CHEM, LIFS/OCES, MATH and PHYS; and (ii) 1 laboratory course.)		22-25											
CHEM	1008	Introductory Chemistry		3											
CHEM	1020	General Chemistry IB		3											
CHEM	1030	General Chemistry II		3											
CHEM	1050	Laboratory for General Chemistry I		3											
CHEM	1055	Laboratory for General Chemistry II		1											
LIFS	1901@	General Biology I @		3											
LIFS	1902@	General Biology II @		3											
LIFS	1903	Laboratory for General Biology I		3											
LIFS	1904	Laboratory for General Biology II		1											
LIFS	1930	Nature of Life Sciences		1											
LIFS	2210	Biochemistry I		3											
MATH	1012	Calculus IA		3											
MATH	1013	Calculus IB		3	10	3	6	3							22
MATH	1014	Calculus II		3											
MATH	1020	Accelerated Calculus		3											
MATH	1023	Honors Calculus I		4											
MATH	1024	Honors Calculus II		3											
MATH	2023	Multivariable Calculus		3											
MATH	2121	Linear Algebra		4											
MATH	2131	Honors in Linear and Abstract Algebra I		4											
UCES	1010	Principles and Applications of Environmental Science		4											
PHYS	1101	Introductory Physics		4											
PHYS	1111	General Physics I		3											
PHYS	1112	General Physics I with Calculus		3											
PHYS	1113	Laboratory for General Physics I		1											
PHYS	1114	General Physics II		3											
PHYS	1115	Laboratory for General Physics II		1											
PHYS	1312	Honors General Physics I		3											
PHYS	1314	Honors General Physics II		3											
Required credits for School / Major Pre-requisite Requirements				25-29											25
Major Requirements															
Major Required Courses and Electives															
LIFS	1903	Laboratory for General Biology I		1	(1)										0
LIFS	1904	Laboratory for General Biology II		1		1									1
LIFS	2040	Cell Biology		3			3								3
LIFS	2070	Introduction to Biotechnology		3			3								3
LIFS	2080	Plant Biology		3			3								3
LIFS	2210	Biochemistry I		3			(3)								0
LIFS	2220	Biochemistry II		3					3						3
LIFS	3150	Biostatistics		3					3						3
LIFS	4963	Biotechnology Capstone Project		3								[3]	3		3
LIFS	4973	Biotechnology Project Research I		4											
LIFS	4983	Biotechnology Project Research II		4											
SCIE	4500	IRE Research Project II		3											
CHEM	1010	General Chemistry IA		3	(3)										0
CHEM	1020	General Chemistry IB		3											0
CHEM	1030	General Chemistry II		3		(3)									0
CHEM	1050	Laboratory for General Chemistry I		1	1										1
CHEM	1055	Laboratory for General Chemistry II		1		1									1
CHEM	2110	Organic Chemistry I		3				3							3
CHEM	2311	Analytical Chemistry		3											
CHEM	2155	Fundamental Organic Chemistry Laboratory		1					1						1
CHEM	2355	Fundamental Analytical Chemistry Laboratory		1											
LANG	3024	Science Communication in English (Life Science)		3									3		3
LANG	3027	Science Communication in English for Research Students (Chemistry, Life Science and Ocean Science)		3											
LIFS/ BIPIH/ BTEC/ OCES/ PHYS/ BIEN/ CENG		Biotechnology Electives (Courses from the specified elective list; Students following IRE Track are required to take a minimum of 15 credits; while others a minimum of 18 credits. Courses taken as Major/Track Required Courses may not be counted towards the elective requirement.)		15-18						3		3	6	3	15
Applied Bioscience Track/ Entrepreneurship Track															
LIFS/ CENG/ SCIE		Students should follow one of the tracks and complete all requirements as specified: Applied Bioscience Track OR Entrepreneurship Track		18-19					3	4	3	3	3	3	19
Required credits for Major Required Courses and Electives				62-70											62
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	Principles of Microeconomics		3			3								3
ECON	2113	Macroeconomics		3											3
ECON	2123	Macroeconomics		3				3							3
ECON	3123	Macroeconomic Theory I		3											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
LANG	2061	Professional Writing for the Workplace		3								3			3
LANG	2062	Professional Speaking for the Workplace		3											3
LANG	3060	Advanced Academic Writing		3											3
MATH	1003	Calculus and Linear Algebra		3-4											
MATH	1012	Calculus IA		3											
MATH	1013	Calculus IB		4	(3)										0
MATH	1020	Accelerated Calculus		3											
MATH	1023	Honors Calculus I		4											
Required credits for School Requirements				43-44											35
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	Financial Accounting I		3-6											
ACCT	3020	Financial Accounting II		3							3				3
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors		3											
ISOM	3230	Business Programming in VBA		3											
ISOM	3400	Business Applications Development in Python		3						3					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	T&M Professional Activities		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
Required credits for Additional Requirements				7											7
University CORE															
CORE	C3 - C9	U CORE - Others		21				3			6	9	3		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
					18	18	18	18	20	20	18	19	18	17	
					184##										

Notes:
 @ Course that students need to complete before enrolling into respective major/programs.
 () indicates the reuse of the same course to fulfill more than one requirement.
 [] denotes the course is also offered in other terms as indicated and students may take the course in one of these subject to advice by the program office.
 --- 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