

<< Declaration of major

School: School of Science and School of Business Management			Student's Pathway												
Program: Dual Degree Program (BSc in Biotechnology and BBA in General Business Management)															
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	Sub-total	
BSc in Biotechnology															
School Requirements															
SCIE	1000	Science School Induction	0	0	0									0	
COMP	1021	ROBE COMP1021 OR COMP1022P OR COMP1022R OR COMP2011	3											3	
COMP	1022P	Introduction to Computing with Java	3			3								3	
COMP	1022Q	Introduction to Computing with Excel/VBA	3											3	
COMP	2011	Programming with C++	4											4	
LANG	2010	English for Scientists	3						3					3	
SSCI	2010	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 discipline: CHEM, LIFS, MATH and PHYS; and (ii) 1 laboratory course.)	22-25												
CHEM	1004	Chemistry in Everyday Life	3											3	
CHEM	1010	General Chemistry IA	3											3	
CHEM	1020	General Chemistry IB	3											3	
CHEM	1030	Laboratory for General Chemistry I	3											3	
CHEM	1050	Laboratory for General Chemistry II	3											3	
CHEM	1055	Laboratory for General Chemistry II	1											1	
LIFS	1030	Environmental Science	3											3	
LIFS	1901*	General Biology I*	3											3	
LIFS	1902*	General Biology II*	3											3	
LIFS	1903	Laboratory for General Biology I	1											1	
LIFS	1904	Laboratory for General Biology II	1											1	
LIFS	1930	Nature of Life Sciences	3											3	
LIFS	2210	Biochemistry I	3											3	
MATH	1012	Calculus IA	4											4	
MATH	1013	Calculus IB	3											3	
MATH	1014	Accelerated Calculus	3											3	
MATH	1020	Honors Calculus I	4											4	
MATH	1023	Honors Calculus II	3											3	
MATH	1024	Multivariable Calculus	3											3	
MATH	2023	Linear Algebra	4											4	
MATH	2121	Honors in Linear and Abstract Algebra I	4											4	
MATH	2131	Honors in Linear and Abstract Algebra I	4											4	
PHY	1001	Physics and the Modern Society	3											3	
PHY	1111	General Physics I with Calculus	3											3	
PHY	1112	Laboratory for General Physics I	1											1	
PHY	1113	General Physics II	3											3	
PHY	1114	Laboratory for General Physics II	3											3	
PHY	1115	Honors General Physics I	1											1	
BLV	1115	Honors General Physics I	1											1	
Required credits for School / Major Pre-requisite Requirements			26-29											28	
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	3060	Microbiology	3						3					3	
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3					3						3	
LIFS	3140	General Genetics	3							4				4	
LIFS	4150	Plant Biotechnology	4									3		3	
LIFS	4200	Concepts and Issues in Contemporary Biotechnology	3									3		3	
LIFS	4200	ROBE LIFS4200 OR LIFS4973 AND LIFS4983 OR LIFS4984 AND LIFS4985 OR LIFS4986 AND LIFS4987 OR LIFS4988 OR LIFS4989 OR LIFS4990 OR LIFS4991 OR LIFS4992 OR LIFS4993 OR LIFS4994 OR LIFS4995 OR LIFS4996 OR LIFS4997 OR LIFS4998 OR LIFS4999	3											3	
LIFS	4963	Biotechnology Capstone Project I	3									[3]	3	3	
LIFS	4973	Biotechnology Project Research I	3											3	
LIFS	4983	Biotechnology Project Research II	4											4	
SCIE	4500	IRE Research Project II	3											3	
CHEM	1010	ROBE CHEM1010 OR CHEM1020	3											0	
CHEM	1020	General Chemistry IA	3		(3)									0	
CHEM	1030	General Chemistry IB	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	ROBE CHEM2110 OR CHEM2311	3											3	
CHEM	2311	Organic Chemistry I	3					3						3	
CHEM	2311	Analytical Chemistry	3											3	
CHEM	2155	ROBE CHEM2155 OR CHEM2355	1						1					1	
CHEM	2355	Fundamental Organic Chemistry Laboratory	1											1	
CENG	1600	Biotechnology and Its Business Opportunities	3							3				3	
LANG	3024	Science Communication in English (Life Science)	3										3	3	
LIFS/BPH/BTEC/BIENV/ENG		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	
Required credits for Major Required Courses and Electives			62-70											68	
BBA in General Business Management															
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											3	
ECON	2123	Note: ECON 2123 OR ECON 3123	3						3					3	
ECON	3123	Macroeconomics	3											3	
FNA	2303	Financial Management	3					3						3	
ISOM	2010	Introduction to Information Systems	3											3	
ISOM	2020	Coding for Business	1						1					1	
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	1013	ROBE MATH1013 OR MATH1012 OR MATH1013 OR MATH1014 OR MATH1015 OR MATH1020 OR MATH1023	3											3	
MATH	1012	Calculus and Linear Algebra	4											4	
MATH	1013	Calculus IA	3		(3)									0	
MATH	1020	Calculus IB	3											3	
MATH	1023	Accelerated Calculus	4											4	
MATH	1023	Honors Calculus I	3											3	
Required credits for School Requirements			43-44											39	
Major Requirements															
Major Required Courses and Electives															
SBAM		SBAM Electives (Any 9 courses offered by the departments under SBAM, of which at least 4 courses are of 3000-level or above.)	29			3			6		3	7	3	7	29
Required credits for Major Required Courses and Electives			29												29
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	
TEMG	3950	Case-based Problem Solving	2		2									2	
Required credits for Additional Requirements			2											2	
University CORE															
CORE	C3 - C12	U CORE - Others	30	3	6					3	3	9	3	3	30
CORE	C1 & C2	U CORE - English Language	6	3	3									6	
Sub-total for University CORE			36											36	
			Term load (excl. free credits)												
			1900M												
			17 19 18 21 20 19 18 19 20 19												
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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.
 { } indicates the course overlapping with another requirement will not be necessarily counted towards the School Requirements.
 --- 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.