

<< 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 General Business Management)			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												
<b>BSc in Biotechnology</b>															
<b>School Requirements</b>															
COMP	1021	Introduction to Computing Science	3-4												3
COMP	1022P	Introduction to Computing with Java	3			3									
COMP	2011	Programming with C++	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	1												
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	4	10	3	6	3								
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												
OCEM	1010	Principles and Applications of Environmental Science	3												
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												
<b>Required credits for School / Major Pre-requisite Requirements</b>			25-29												25
<b>Major Requirements</b>															
<b>Major Required Courses and Electives</b>															
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	3												
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												
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/ BIPH/ BTEC/ OCEM/ 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
<b>Applied Bioscience Track/ Entrepreneurship Track</b>															
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
<b>Required credits for Major Required Courses and Electives</b>			62-70												62
<b>BBA in General Business Management</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	Principles of Microeconomics	3				3								3
ECON	2113	Microeconomics	3												
ECON	2123	Principles of Macroeconomics	3						3						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										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												
LANG	3060	Advanced Academic Writing	3												
MATH	1003	Calculus and Linear Algebra	3-4												
MATH	1012	Calculus IA	4												
MATH	1013	Calculus IB	3	(3)											0
MATH	1020	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>															
SB&M		SB&M Electives (Any 9 courses offered by the departments under SB&M, of which at least 4 courses are of 3000-level or above.)	29						3	7	4	6	3	6	29
<b>Required credits for Major Required Courses and Electives</b>			29												29
<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
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				3			9	6	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
<b>Sub-total for University CORE</b>			30												30
17 16 18 18 19 21 19 19 18 20															
18##															
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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.
- 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.