School of Science and School of Business Managemen Dual Degree Program (BSc in Biotechnology and BBA in Finance) rogram Year 2 Fall ffering Dept Course Code Course Title / Courses List BSc in Biotechnology School Requirements 2011 English for Science I Science Foundation courses [8 courses from the specified elective list. Students should tak (i) 7 foundation becture 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; SSCI 22-25 lecture courses, from each of the fou and (ii) 1 laborator vocurse. I Chemistry in Everyday Life General Chemistry IA General Chemistry IA General Chemistry II Laboratory for General Biodogy I @ General Biodogy I @ General Biodogy I @ Laboratory for General Biology II Laboratory for General Biology II Nature of Life Sciences Ripchemistry V I Ripchemistry V I CHEM
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MATH 1055 1030 1901@ 1902@ 1903 1904 1930 2210 1013 1014 1020 1023 1024 2023 2121 2131 1030 1001 1111 1112 1113 1114 1115 1312 Students are recommended to tak CHEM1010/1020, CHEM1030, LIFS1903, LIFS2210 and MATH1013 to satisfy the requirements of both SSCI Schoo requirements and Major requirements Ricchemistry I Calculus IA Calculus IB Calculus II Accelerated Calculus 10 3 22 Honors Calculus I Honors Calculus II Multivariable Calcul Linear Algebra Linear Algebra
Honovs in Inear and Abstract Ale
Environmental Science
Physics and the Modern Society
General Physics I with Calculus
Laboratory for General Physics I
General Physics II General Physics II Laboratory for General Physics II Honors General Physics I Required credits for School / Major Pre-requisite Requirements 25-29 **Major Requirements** 1904 Laboratory for General Biology II Cell Biology Introduction to Biotechnology 2040 3 Introduction to I 3 2080 3060 3140 General Genetics LIFS 4150 Plant Biotechnology Concepts and Issues in Contemporary Biotechnology Note: LIFS4963 OR (LIFS4973 AND LIFS4983) OR (SCIE4500 AND LIFS4983) Note: LIFS4963 OR (LIFS4973 AND LIFS4983) OR (SCIE4500 AND LIFS4983 [Students following IRET rack can only use (SCIE4500 AND LIFS4983) to fulfill the requirement.]
Biotechnology Capstone Project:
Biotechnology Topict Research II
IRE Research Project III
IRE Research Project III
Note: CHEMOTIO OR CHEM1020 4963 4973 4983 [3] 1010 0 (3) CHEM eneral Chemistry II (3) CHEM 1050 Laboratory for General Chemistry I СНЕМ 2110 3 3 HEM Note: CHEM2155 OR CHEM2355

Fundamental Organic Chemistry Laboratory

Fundamental Analytical Chemistry Laboratory 1 Biotechnology and Its Business Opportunities

Note: LANG 3024 OR LANG 3027 (Students following IRE Track should take LANG Note: LANG 3024 OR LANG 3027 (Students following IRE Track should take LANG 3027 (Intiff the requirement.) English (Life Science) Science Communication in English (Life Science) Science Communication in English for Research Students 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.) 3 3 LIFS/BIPH/BTEC/BIEN/ 3 15-18 3 6 6 18 Required credits for Major Required Courses and Electives 62-70 **BBA** in Finance School Requirements Principles of Accounting II

Note: ECON 2103 OR ECON 2113

Principles of Microeconomics CON 3 3 CON 2113 croeconomics ste: ECON 2123 OR ECON 3123 2123 3123 conomics conomic Theory 3 3 FINA 2303 is a major pre-requisite 2303 Financial Management SOM 2010 Introduction to Information Systems 3 0 1021/1022P/2011 and for DDP students if they ken and passed COMP102 0 SOM 2020 Coding for Business 2500 Business Statistics Introduction to Business Analytics perations Management larketing Manageme MGMT siness Ethics and the Individual Organizational Behavior Business Ethics and Social Responsibility MGMT 2110 3 Waived for DDP students Business Student Induction iness Case Analyses LABU 2060 Effective Communication in Business Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 1003 1012 1013 Calculus and Linear Algebra Calculus IA Calculus IB To satisfy the requirements of both BEng and BBA degrees, DDP students should NOT take MATH 1003. MATH MATH (3) Ionors Calculus I Required credits for School Requirements 43-44 Major Requirements Major Required Courses and E 3001 Key Skills for Finance Professionals (A) 3103 Intermediate Investments 3 3 Bloomberg Market Concepts Certification
Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030
Financial Accounting I 3810 0 0 3010 3 3 3030 Intermediate Financial Accounting for Non-Accounting Majors Note: ISOM 3230 OR ISOM 3400 If DDP students took COMP 1021 in BEng requirement, they are required to enroll ISOM 3230. Business Applications Programming Python Programming for Business Analytics 3 9 FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified) 9 3 3 Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program Technology and Management Professional Activ Case-based Problem Solving Required credits for Additional Requiren University CORE U CORE - English Language Sub-total for University CORE

@ Course that students need to complete before enrolling into respective major/programs

## To graduate, students should complete all requirements as specified for DDP.

\*\*Remarks on course(s):

go course that students need to complete before enrolling mor 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.

<sup>-</sup> denotes the course/requirement is either waived or substituted