<u>BEFINA</u> (Via DDP PBA) 2022-23 Intake

An Example on Student's Pathway (as of Nov 9, 2022) << Declaration of BEng</pre>

School of Engineering and School of Business Management Dual Degree Program (BEng in Bioengineering and BBA in Finance) rogram Remarks course Code Course Title / Courses List BEng in Bioengineering **Major Requirements** Engineering Fundamental Courses Note: [COMP 1021] OR [(COMP 1022P OR COMP 2011) AND COMP1029P] tudents should take COMP102 Introduction to Computer Science Introduction to Computing with Java which will also be used to substitute ISOM 2010 and to waive ISOM 2020 1029F Python Programming Bridging Course Programming with C++ OMF 2012F Honors Object-Oriented Programming and Data Structures НЕМ 1020 3 3 3 HEM 1050 Laboratory for General Chemistry I ANG 2030 3 0 Waived for DDP students General Biology I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND 1901 3 (MATH 1014 OR MATH 1024)] OR [MATH 1020] **HTAN** 3 6 3 Calculus II Accelerated Calculus Honors Calculus I Honors Calculus II
Note: PHYS 1112 OR PHYS 1312
General Physics I with Calculus 1112 3 3 HYS lonors General Physics I Engineering Introduction course (If the students take an introduction course included in their major, this 0 SENG 3-4 (3) course can be counted towards their major requirement.) Required credits for Engineering Fundamental Courses 23-29 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 3 3 BIEN Introduction to Biomedical Engineering Introduction to Chemical and Biiological Engineering CENC 2310 Modeling for Chemical and Biological Engineering 2410 Cellular and Systems Physiology for Engineers 3 3 2610 Chemical Biology for Engineers Note: BIEN 3310 OR BIEN 3320 3 BIEN 3310 Data Science for Neural Engin 3 3 BIEN Data Science for Biology and Medicin Introduction to Bioinstrumentation and Bioimaging Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 BIEN 4920 3 6 3 Bioengineering Thesis Research 4930 Bioengineering Industrial Project Chemical and Biological Engineering Thermodynamics 2210 3 ENG 3 ENG ENG 3230 Chemical and Biological Reaction Engineering 3 3 NGG 2010 Engineering Seminar Series 0 0 0 0 0 0 Note: LIFS 3150 OR MATH 2411 OR BIEN 3300 Technical Communication II for Chemical and Biological Engineering
Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits should be taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should be of Area (Area 1 or Area 2). ANG 4035 3 3 3 SCI/SENG 15 6 3 6 15 Required credits for Major Required Courses and Electives 60 **BBA** in Finance School Requirements Principles of Accounting I ССТ Principles of Accounting II Note: ECON 2103 OR ECON 211 Principles of Microeconomics 3 3 Microeconomics Note: ECON 2123 OR ECON 3123 3 3 3 CON 2123 Macroeconomic Theory FINA 2303 is a major pre 2303 inancial Management 3 requisite
Substituted by COMP 1021/1022P/2011/2012H raived for DDP students if the SOM 2020 Coding for Business 1 0 COMP1021 or COMP 1029P 3 0 ------------------------------LIFS 3150/MATH 2411/BIEN SOM 2500 **Business Statistics** 3300 Substituted by 0 Introduction to Business Analytics BIEN 3310/3320 Operations Management 3 2120 Marketing Management 2 /IGMT 2010 Business Ethics and the Individual 2 2 **IGMT** 2110 Organizational Behavior 3 3 3 /GMT 2130 Business Ethics and Social Responsibility 2 2 2040 Waived for DDP students Effective Communication in Business Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 ٩BU Calculus and Linear Algebra Calculus IA DDP students should take MATH 1013 OR MATH 1023 to satisfy (3) Calculus IB ne requirements of both BSc a BBA degrees Honors Calculus I Required credits for School Requirements 43-44 31 Major Requirements Major Required Courses and Electives Key Skills for Finance Professionals (A) 3203 Derivative Securities 3 3 3 Intermediate Corporate Finance 3303 3 3 3 3810 Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 CCT Intermediate Financial Accounting for Non-Accounting Majors Note: ISOM 3230 OR ISOM 3400 If DDP students took COMP SOM FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified) Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program Required Courses TEMG T&M Professional Activities TEMG 4950 3-5 4 Required credits for Additional Requirements **University CORE** U CORE - Others 21 21 U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellr 3 Sub-total for University CORE 20 20 16 15 16 15 19 17 18 << Declaration of BEng << Declaration of BBA major

( ) indicates the reuse of the same course to fulfill more than one requirement.

--- denotes the course/requirement is either waived or substitued

 $\hbox{\it \#\# To graduate, students should complete all requirements specified for DDP.}$ 

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.