<u>BEMGMT</u> (Via DDP PBA)

2022-23 Intake

An Example on Student's Pathway (as of July 22, 2022)

<< Declaration of BEng</pre> << Declaration of BBA major

School of Engineering and School of Business Management Student's Pathway Dual Degree Program (BEng in Bioengineering and BBA in Management) rogram Remarks ourse Code Course Title / Courses List BEng in Bioengineering **Major Requirements** Engineering Fundamental Courses
| Note: [COMP 1021] OR [(COMP 1022P OR COMP 2011) AND COMP1029P] Introduction to Computer Science Introduction to Computing with Java Students should take 1022P COMP1021 which will also be used to substitute ISOM 2010 OMP 1029P Python Programming Bridging Course 2011 rogramming with C++ and to waive ISOM 2020 COMP 2012H Honors Object-Oriented Programming and Data Structures СНЕМ 1020 General Chemistry I 3 3 3 CHEM 1050 Laboratory for General Chemistry I Technical Communication I ANG 2030 Waived for DDP students Seneral Biology I lote: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND 1901 3 3 (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 Calculus IA Calculus IB 3 Calculus II ccelerated Calculus MATH lonors Calculus I Honors Calculus II Note: PHYS 1112 OR PHYS 1312 1ATH ore: PHYS 1112 OR PHYS 1312 eneral Physics I with Calculus onors General Physics I ngineering Introduction course (if the students take an introduction course included in their maj ngineering Introduction course (if the students take an introduction course included in their maj PHYS 1112 3 3 3-4 0 SENG (3) this 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 Introduction to Biomedical Engineering ntroduction to Chemical and Biiological Engineerin Modeling for Chemical and Biological Engineering Cellular and Systems Physiology for Engineers 3 3 BIEN 2610 Chemical Biology for Engineers BIEN 2990 Academic and Professional Development I Note: BIEN 3310 OR BIEN 3320 3310 Data Science for Biology and Medicine 3410 Introduction to Bioinstrumentation and Bioimaging BIEN 3910 Bioengineering Laboratory Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 Bioengineering Capstone Design Bioengineering Thesis Research Bioengineering Industrial Project Academic and Professional Development II BIEN BIEN 3 CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 CENG 2220 Transport Phenomena I 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 3 Engineering Seminar Series Note: LIFS 3150 OR MATH 2411 OR BIEN 3300 ENGG 2010 0 0 3 BIEN 3300 Data Science for Molecular Engineering Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits she taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 c should be at 4000-level ANG 4035 SCI/SENG Required credits for Major Required Courses and Electives 60-61 60 BBA in Management School Requirements ACCT 2010 Principles of Accounting I 3 3 CCT Principles of Accounting II 3 3 Note: ECON 2103 OR ECON 2113 3 2113 CON Microeconomics Note: ECON 2123 OR ECON 3123 2123 3 3 Macroeconomic Theory 2303 Financial Management Substituted by COMF MOS 2010 Introduction to Information System 1021/1022P/2011/2012H aived for DDP students if the 1 0 SOM 2020 Coding for Business -COMP1021 or COMP 1029P SOM 2500 3 0 LIFS 3150/MATH 2411/BIEN Business Statistics ISOM 2600 1 0 Introduction to Business Analytics -BIEN 3310/3320 ISOM 2700 Operations Management 3 3 3 MARK 2120 Marketing Management 3 3 MGMT 2010 Business Ethics and the Individual 2 2 2 MGMT 2110 is a major pre MGMT 2110 Organizational Behavior 3 3 3 Business Ethics and Social Responsibility MGMT 2130 ABU Business Case Analyses 3 0 Waived for DDP students .ABU 2060 Effective Communication in Business 3 3 Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 MATH 1003 Calculus and Linear Algebra DDP students should take MATI 1012 1013 1020 MATH Calculus IA 1013 OR MATH 1023 to satisfy (3) the requirements of both BSc and BBA degrees MATH Calculus IB MATH ccelerated Calculus onors Calculus I Required credits for School Requirements 43-44 31 **Major Requirements** Major Required Courses and Electives Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT to fulfill the Option Requirements and should take MGMT 3120 to fulfill this requirement.) Human Resources Management Students in the Consulting Option must take MGMT 3120 4 MGMT MGMT Managerial Leadership Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfil this requirement.) udgement and Decision Making in Organizations MGMT <u>leactiation</u>

lote: MGMT 4210 OR MGMT 4220 (Students in the Consulting Option or in the Corporate Social
Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) MGMT Students in the Consulting MGMT must take MGMT 4210 Students in the Consulting Option are recomm MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses take MGMT 4220 and a new MGMT taken as Option Required Courses may not be counted towards the elective requirement.) course in Simulating Strategy to fulfill the major elective Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program Required Courses 1010 T&M Professional Activities 3950 3 3 3 TEMG T&M Case Analysis and Product Innovation TEMG 4950 3-5 T&M Corporate Consulting Project 4 Required credits for Additional Requirements 7 7 **University CORE** U CORE - Others 21 21 C3 - C9 CORE C1 & C2 U CORE - English Language Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 1905 3 3 Sub-total for University CORE 30 16 18 18 19 << Declaration of BEng << Declaration of BBA Notes

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

- denotes the course/requirement is either waived or substitued

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

major major