<u>BEMGMT</u>

2021-22 Intake

An Example on Student's Pathway (as of July 11, 2022)

<< Declaration of BEng major

School of Engineering and School of Business Management School Oual Degree Program (BEng in Bioengineering and BBA in Management) Remarks 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 OMP OMP Python Programming Bridging Course ISOM 2010 and to waive ISOM 202 OMP 2011 ogramming with C++ ors Object-Oriented P нем Seneral Chemistry IA 3 3 3 нем aboratory for General Chemistry I Waived for DDP students General Biology I 1901 3 ote: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IB Calculus II 1013 1014 ccelerated Calculus HTAN 1023 Honors Calculus I 3 3 PHYS eneral Physics I with Calculus gineering Introduction course (if the students take an introduction course included in their major, this use can be counted towards their major requirement.) PHYS lonors General Physics I SENG 3-4 (3) 0 Required credits for Engineering Fundamental Courses 23-29 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 ntroduction to Biomedical Engineering
ntroduction to Chemical and Biiological Engineering 3 CENG Modeling for Chemical and Biological Engineering Cellular and Systems Physiology for Engineers Chemical Biology for Engineers Note: BIEN 3310 OR BIEN 3320 ata Science for Neural Engineering 3 3 troduction to Bioinstrumentation and Bioimaging Bioengineering Laboratory lote: BIEN 4920 OR BIEN 4930 OR BIEN 4940 oengineering Capstone Design oengineering Thesis Research Bioengineering Industrial Project Academic and Professional Development II hemical and Biological Engineering Thermodynamics 3 Transport Phenomena I Chemical and Biological Reaction Engineering Note: LIFS 3150 OR MATH 2411 OR BIEN 3300 3-4 3 Data Science for Molecular Engineering BIEN Technical Communication II for Chemical and Biological Engineering onengineering Electives (5 courses from the specified elective list, of which at least 9 credits should be ken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should 15 3 15 SCI/SENG be at 4000-level) Required credits for Major Required Courses and Electives BBA in Management School Requirements Principles of Accounting I Principles of Accounting II ote: ECON 2103 OR ECON 2113 CON 2103 Principles of Microeconomics 3 3 3 CON e: ECON 2123 OR ECON 3123 acroeconomics CON Macroeconomic Theory I Financial Management 3 oduction to Information Systems 1021/1022P/2011/2012H SOM oding for Business ve taken and passed COMP102 or COMP 1029P LIFS 3150/MATH 2411/BIEN 3300 Substituted by BIEN 3310/3320 MOS 2600 ntroduction to Business Analytics 1 0 Operations Management Marketing Management Business Ethics and the Individual 1GMT 2110 Organizational Behavior 3 MGMT 2110 is a major pre-requisite Business Ethics and Social Responsibility 2 Business Student Induction Waived for DDP students SBMT ABU Business Case Analyses Waived for DDP students Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA (3) Calculus IB degrees Honors Calculus I Required credits for School Requirements 43-44 Major Requirements rses and Electives Note: MGMT 3110 OR MGMT 3120 (For students in the Consulting Option, they will use MGMT 3110 to fulfill he Option Requirements and should take MGMT 3120 to fulfill this requirement.) Option must take MGMT 3120 Managerial Leadership MGMT 3120 Note: MGMT 3130 OR MGMT 3140 (Students in the Consulting Option must take MGMT 3140 to fulfill this Students in the Consulting udgement and Decision Making in Organizations MGMT Negotiation Responsibility and Sustainability Option must take MGMT 4210 to fulfill this requirement.) Option must take MGMT 4210 orporate Strategy ntrepreneurship and Innovation Students in the CSR Option must take MGMT 4210 Students in the Consulting Option are recommended to MGMT 3000-level or above Electives (Any 3 courses of the subject and level as specified. Courses taker as Option Required Courses may not be counted towards the elective requirement.) take MGMT 4220 and a new course in Simulating Strategy to fulfill the major elective requirement Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program T&M Professional Activities TEMG 3950 T&M Case Analysis and Product Innovation 3 TEMG T&M Corporate Consulting Project 3-5 Required credits for Additional Requirements University CORE U CORE - Others 30 U CORE - English Language Sub-total for University CORE 19 << Declaration of BEng << Declaration of BBA

-- denotes the course/requirement is either waived or substitued ## To graduate, students should complete all requirements specified for DDP.

major

<sup>( )</sup> indicates the reuse of the same course to fulfill more than one require