BEMARK

2022-23 Intake

Interdisciplinary Programs Office (Via DDP PBA) An Example on Student's Pathway (as of July 22, 2022) << Declaration of BEng << Declaration of BBA major major School: School of Engineering and School of Business Management Student's Pathway rogram Dual Degree Program (BEng in Bioengineering and BBA in Marketing) Remarks Course Title / Courses List Dept Code refix) 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 COMP1021 which will also be used to substitute ISOM 2010 OMP 1029P Python Programming Bridging Course rogramming with C++ 2011 and to waive ISOM 2020 COMP Honors Object-Oriented Prog НЕМ 1020 General Chemistry I 3 CHEM 1050 Laboratory for General Chemistry I Technical Communication I Waived for DDP students ANG 2030 0 3 General Biology I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) A (MATH 1014 OR MATH 1024)] OR [MATH 1020] IFS 1901 3 1013 1014 Calculus IB 3 3 6 MATH Calculus II MATH Accelerated Calculus MATH 1023 Ionors Calculus I Honors Calculus II Note: PHYS 1112 OR PHYS 1312 1112 PHYS 3 3 General Physics I with Calculus PHYS Honors General Physics I
Engineering Introduction course (If the students take an introduction course included in their major, (3) 0 SENG 3-4 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 ntroduction to Biomedical Engineering ntroduction to Chemical and Biiological 3 BIEN 2310 Modeling for Chemical and Biological Engineering 3 BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 2610 Chemical Biology for Engineers BIEN 3 Academic and Professional Develop BIEN 2990 ote: BIEN 3310 OR BIEN 3320 3 Data Science for Biology and Medicine BIEN 3320 Introduction to Bioinstrumentation and Bioimaging 3410 3 3 3 engineering Laboratory Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 BIEN 4920 Bioengineering Capstone Design Bioengineering Thesis Research 3 Bioengineering Industrial Project 1 BIEN 4990 Academic and Professional Development II 1 CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 3 CENG Transport Phenomena I CENG 3230 Chemical and Biological Reaction Engineering 3 3 Engineering Seminar Series ENGG 2010 0 0 0 0 0 Note: LIFS 3150 OR MATH 2411 OR BIEN 3300 3 3 3 MATH 2411 Applied Statistics Data Science for Molecular Engineering 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 4035 SSCI/SENG be taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits 15 6 3 6 15 Required credits for Major Required Courses and Electives 60-61 60 **BBA** in Marketing School Requirements Principles of Accounting I Principles of Accounting II ACCT 3 3 Note: ECON 2103 OR ECON 2113 3 3 ECON 2123 OR ECON 3123 CON 2123 3 FINA 2303 Financial Management 3 3 3 3 0 1021/1022P/2011/2012H Coding for Business 0 COMP1021 or COMP 1029F Substituted by LIFS 3150/MATH 2411/BIEN -0 SOM 2500 3 Business Statistics 3300 Substituted by SOM 2600 Introduction to Business Analytics 0 BIEN 3310/3320 SOM 2700 Operations Management MARK 2120 is a major i ЛARK 2120 Marketing Management 3 3 requisite MGMT 2010 Business Ethics and the Individual 2 2 Organizational Behavior MGMT 2110 3 3 3 MGMT Business Ethics and Social Responsibility Waived for DDP students LABU 2040 Business Case Analyses 3 0 ABU Effective Communication in Busines 3 3 ineter Communication in Distribusions Distribusion 11003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH Calculus and Linear Algebra DDP students should take MATH 1013 OR MATH 1023 to 1012 1013 (3) 0 MATH Calculus IB satisfy the requirements of bot MATH 1020 Accelerated Calculus BSc and BBA degrees onors Calculus I Required credits for School Requirements 43-44 Major Requirements Major Required Courses and Electives Marketing Research 3420 MARK Consumer Behavior 4 4 MARK 4210 Strategic Marketing 4 4 MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) MARK Required credits for Major Required Courses and Electives Additional Requirements Required Courses TEMG

Requirements for Dual Degree Program EMG 3950 3 TEMG 4950 T&M Corporate Consulting Project 3-5 Required credits for Additional Requirements University CORE C3 - C9 U CORE - Other 21 21 ORE C1 & C2 U CORE - English Language 6 3 6 ORE Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 1905 **Sub-total for University CORE** 36 30 Term load (excl. free credits)

> 171## << Declaration of BBA << Declaration of BEng major

16

16

16

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

^{##} To graduate, students should complete all requirements specified for DDP