BEGBUS

2024-25 Intake

(Via DDP PBA)

Student's Pathway School of Engineering and School of Business Management School: Dual Degree Program (BEng in Bioengineering and BBA in Global Business) Program: Remarks Offering ourse Code Course Title / Courses List Dept refix) **BEng in Bioengineering Major Requirements** Engineering Fundamental Courses Note: [COMP 1021] OR [(COMP 1022P OR COMP 2011) AND COMP1029F Introduction to Computer Science
Introduction to Computing with Java
Python Programming Bridging Course students should take COMP102 3 substitute ISOM 2010 and to 029F ogramming with C++
onors Object-Oriented Programming and Data Struc waive ISOM 2020 General Chemistry B: Atomic Structure, Molecules, and Bonding Theories CHEM 012 СНЕМ 052 Laboratory for General Chemistry B General Biology I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND LIFS 1901 3 3 (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH Calculus IA MATH Calculus IB 3 3 6 MATH 014 Calculus II Accelerated Calculus Honors Calculus I onors Calculus II ote: PHYS 1112 OR PHYS 1312 PHYS 1112 General Physics I with Calculus 3 3 course (If the students take an introduction course included in their major, this SENG 3-4 (3) 0 Required credits for Engineering Fundamental Courses 20-27 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 3 3 BIEN ntroduction to Biomedical Engineering ntroduction to Chemical and Biiological Engineering CENG 1000 3 3 Modeling for Chemical and Biological Engineering Cellular and Systems Physiology for Engineers BIEN 410 3 3 BIEN 2610 Chemical Biology for Engineers 3 3 3 BIEN 2990 Academic and Professional Development I 1 BIEN Data Science for Molecular Engineering 3 300 ote: BIEN 3310 OR BIEN 3320 Data Science for Neural Engineering Data Science for Biology and Medicin 3 BIEN 3410 Introduction to Bioinstrumentation and Bioimaging 3 3 3 BIEN 910 Bioengineering Laborator 4 4 Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 BIEN 920 Bioengineering Capstone Design Bioengineering Thesis Research 3 3 6 BIEN BIEN Bioengineering Industrial Project Academic and Professional Development II BIEN 990 CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 3 CENG 3 3 3 Chemical and Biological Reaction Engineering ENG 3230 ENGG 010 Engineering Seminar Series 0 0 0 engineering Electives (5 courses from the specified elective list, of which at least 9 credits should be SSCI/SENG 15 15 ken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should 3 be at 4000-level) Required credits for Major Required Courses and Electives 57 57 **BBA in Global Business** School Requirements ACCT Principles of Accounting II ACCT Note: ECON 2103 OR ECON 2113 ECON 103 Principles of Microeconomics 3 3 licroeconomics ote: ECON 2123 OR ECON 3123 CON 123 3 3 Macroeconomic Theory INA 303 Financial Management 3 3 3 Substituted by COMP ntroduction to Information Systems 1021/1022P/2011/2012H ived for DDP students if they SOM 020 Coding for Business COMP1021 or COMP 1029F 3 SOM 2500 Business Statistics 3 3 Substituted by SOM 600 ntroduction to Business Analytics 0 BIEN 3310/3320 SOM 700 MARK 120 Marketing Management 3 3 MGMT 010 Business Ethics and the Individual 2 2 2 мдмт 110 Organizational Behavior 2 MGMT 2130 Business Ethics and Social Responsibility 2 Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 102 Calculus and Linear Algebra Calculus IA Calculus IB (3) requirements of both BEng and BBA degrees Accelerated Calculus Honors Calculus I MATH Required credits for School Requirements 39-40 31 Major Requirements Major Required Courses and Electives Global Leadership Development BUS Global Business Analysis ote: GBUS 2020 OR GBUS 2040 OR SMBT 2100-2110 Note: GBUS 2020 Of GBSS 21.1
Public Service Project
Environmental, Social, and Governance (ESG) Corporate Project [1] SBMT GBUS/ISOM Note: GBUS 3030 OR ISOM 4780 Blobal Business Case Studies integrated Planning and Execution [3] Capstone Project GBUS 4910 4 [4] 4 Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each ea and at least 2 courses must be offered by GBUS. Courses major in SBM may not be counted towards this elective requirement.) Required credits for Major Required Courses and Electives Additional Requirements Requirements for Dual Degree Program Required Courses 1010 T&M Professional Activities TEMG 3950 T&M Case Analysis and Product Innovation 3 3 TEMG 4950 T&M Corporate Consulting Project 3-5 4 4 Required credits for Additional Requirements **University CORE** U CORE - Others 21 21 C3 - C9 CORE C1 & C2 U CORE - English Language 6 3 6 HMAW 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellnes Sub-total for University CORE 30 30 Term load (excl. free credits) 17 20 16 19 16 17 13 170## << Declaration of BEng << Declaration of BBA

() 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.

>> 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.