Student's Pathway

An Example on Student's Pathway (as of August 3, 2023)

major

School of Engineering and School of Business Management rogram: Dual Degree Program (BEng in Bioengineering and BBA in Global Business) 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 which will also be used to substitute ISOM 2010 and to waive ISOM 2020 Python Programming Bridging Course rogramming with C++ OME onors Object-Oriented Pro CHEM 1020 General Chemistry I 3 3 3 СНЕМ 1050 Laboratory for General Chemistry I Waived for DDP students LANG Technical Communication I LIFS 1901 General Biology I Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH Calculus IA MATH MATH MATH 1013 Calculus IB 3 3 1014 Calculus II Accelerated Calculus MATH 1023 Honors Calculus I Note: PHYS 1112 OR PHYS 131 General Physics I with Calculus MATH onors General Physics I SENG 3-4 23-29 Required credits for Engineering Fundamental Courses 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 Introduction to Biomedical Engineering Introduction to Chemical and Biiological Engineerin BIEN 2310 Modeling for Chemical and Biological Engineering 3 3 3 BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 Chemical Biology for Engineers Academic and Professional Development I Note: BIEN 3310 OR BIEN 3320 3 3 BIEN 3310 Data Science for Neural Engineering 3 Data Science for Biology and Medici Introduction to Bioinstrumentation and Bioimaging 4 BIEN 3910 Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 Bioengineering Capstone Design Bioengineering Thesis Research BIEN BIEN 6 3 6 Bioengineering Industrial Project Chemical and Biological Engineering Thermodyn CENG 3 CENG 2220 Transport Phenomena I 3 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 ENGG 0 Data Science for Molecular Engineering LANG Technical Communication II for Chemical and Biological Engin Bioengineering Electives (5 courses from the specified elective list, of which at least 9 credits should be aken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits shoul 15 SSCI/SENG 15 Required credits for Major Required Courses and Electives 60-61 60 **BBA in Global Business** School Requirements Principles of Accounting I Principles of Accounting I Note: ECON 2103 OR ECON 2113 3 3 ECON inciples of Microecon CON 2113 3 acroeconomic Theory FINA 2303 Financial Management 3 Substituted by COMP ntroduction to Information Systems 1021/1022P/2011/2012H ived for DDP students if the SOM Coding for Business 1 0 3 SOM usiness Statistics 3 3 SOM Introduction to Business Analytics BIEN 3310/3320 3 Operations Manageme MARK 2120 Marketing Management 3 3 3 MGMT 2010 Business Ethics and the Individual 2 2 2 MGMT Non DDP-ECON students take Note: LANG 2061 OR 2062 OR 3060 ONLY a 3-credit of SBM-specific Professional Writing for the Workplace Professional Speaking for the Workplace inglish course, in which they ca LANG 3 2062 choose from one of the three 3060 dvanced Academic Writing LANG courses (LANG 2061, LANG 2062, or LANG 3060). e: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 102 DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA degrees (3) Required credits for School Requirements 34 **Major Requirements** Major Required Courses and Electives Global Leadership Develo GBUS Note: GBUS 2020 OR GBUS 2040 GBUS [1] 1 GBUS/ISOM Note: GBUS 3030 OR ISOM 4780 4 GBUS SOM Global Business Case Studies [3] ntegrated Planning and Execution 780 anetone Project Global Business Electives (Courses from the specified elective list, of which at least 6 credits from each area and at least 2 courses must be offered by GBUS. Courses taken to fulfill requirements of an additional major in SBM may not be counted towards this elective requirement.) Required credits for Major Required Courses and Electives 26-27 27 **Additional Requirements** Requirements for Dual Degree Program Required Courses TEMG T&M Professional Activities TEMG 3950 T&M Case Analysis and Product Innovation 3 TEMG T&M Corporate Consulting Project 3-5 4 4 4950 Required credits for Additional Requirements **University CORE** 21 CORE C3 - C9 U CORE - Others 21 CORE C1 & C2 U CORE - English Language 6 Behavioral Foundations of University Education: Habits, Mindsets, and Wellness Sub-total for University CORE 30 36 17 17 20 16 18 16 19 17 19 177## << Declaration of BEng << Declaration of BBA

School

( ) 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

>> 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