BEFINA (Via DDP PBA) 2024-25 Intake

Academy of Interdisciplinary Studies

School of Engineering and School of Business Management

An Example on Student's Pathway (as of August 8, 2024)

Student's Pathway

rogram Dual Degree Program (BEng in Bioengineering and BBA in Finance) Remarks Course Code Course Title / Courses List Dept[BEng in Bioengineering Major Requirements **Engineering Fundamental Courses** troduction to Computer Science troduction to Computing with Java COMP COMP 1029P 2011 Python Programming Bridging Course substitute ISOM 2010 and to rogramming with C++ waive ISOM 2020 Honors Object-Oriented Programming and Data Structures COMP 2012H CHEM 1012 General Chemistry B: Atomic Structure, Molecules, and Bonding Theories СНЕМ 1052 Laboratory for General Chemistry B LIFS 1901 General Biology I 3 3 3 Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IB MATH 1013 3 3 6 MATH 1014 Calculus II MATH 1020 ccelerated Calculus MATH 1023 onors Calculus I MATH onors Calculus II ote: PHYS 1112 OR PHYS 1312 General Physics I with Calculus PHYS 1112 3 3 PHYS SENG 3-4 (3) 0 urse can be counted towards their major requirement.) 20-27 Required credits for Engineering Fundamental Courses 19 Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 3 3 BIEN 1010 ntroduction to Biomedical Engineering CENG ntroduction to Chemical and Biiological Engineering 3 3 2310 BIEN Modeling for Chemical and Biological Engineering BIEN 2410 Cellular and Systems Physiology for Engineers 3 3 3 BIEN 2610 Chemical Biology for Engineers 3 3 3 BIEN Academic and Professional Development I Note: BIEN 3310 OR BIEN 3320 BIEN 3310 3 3 Data Science for Biology and Medicine BIEN 3410 Introduction to Bioinstrumentation and Bioimaging 3 3 3 BIEN 3910 lioengineering Laboratory 4 4 4 Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 BIEN Bioengineering Capstone Design Bioengineering Thesis Research BIEN Bioengineering Industrial Project BIEN 4940 Academic and Professional Development II 1 4990 1 BIEN CENG 2210 Chemical and Biological Engineering Thermodynamics 3 3 3 CENG 2220 Transport Phenomena I 3 3 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 ENGG Engineering Seminar Series 2010 BIEN 3300 Data Science for Molecular Engineering 3 SSCI/SENG 15 3 6 6 15 taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits should be at 4000-level Required credits for Major Required Courses and Electives 57 57 **BBA** in Finance **School Requirements** 3 ote: ECON 2103 OR ECON 2113 rinciples of Microeconomics ECON 3 3 Microeconomics
Note: ECON 2123 OR ECON 3123 ECON ECON onomic Theory FINA 2303 is a major pre-FINA 2303 requisite tituted by COMF ISOM 2010 troduction to Information Systems 3 1021/1022P/2011/2012H Waived for DDP students if they have taken and passed COMP1021 or COMP 1029P 0 ISOM 2020 Coding for Business 1 3 3 3 ISOM 2500 Business Statistics Substituted by BIEN 3310/3320 ISOM ISOM 2700 Operations Management 3 3 3 MARK 3 3 2120 Marketing Management 3 MGMT 2010 Business Ethics and the Individual 2 MGMT 2110 Organizational Behavior 3 3 MGMT 2130 Business Ethics and Social Rest 2 Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 3-4 MATH 1003 Calculus and Linear Algebra DDP students should take MATH MATH 1012 Calculus IA 1013 OR MATH 1023 to satisfy (3) 0 MATH 1013 Calculus IB rements of both BSc ar матн BBA degrees onors Calculus I Required credits for School Requirements 39-40 31 Major Requirements Major Required Courses and Electives FINA Key Skills for Finance Professionals (A) Intermediate Investments FINA 3103 FINA 3203 Derivative Securities 3 FINA 3303 ntermediate Corporate Finance 3 3 FINA 3810 Bloomberg Market Concepts Certification 0 Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 3-6 ACCT 3010 Financial Accounting I ACCT ACCT Financial Accounting I ntermediate Financial Accounting for Non-Accounting Majors If DDP students took COMP 102 Note: ISOM 3230 OR ISOM 3400 3 ISOM 3230 Business Programming in VBA Business Applications Developr 3 in BEna requireme FINA FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified) 9 9 Required credits for Major Required Courses and Electives 23-28 25 Additional Requirements Requirements for Dual Degree Program Required Courses T&M Professional Activities TEMG TEMG T&M Case Analysis and Product Innovation 3 3 3 TEMG 4950 T&M Corporate Consulting Project 3-5 4 4 Required credits for Additional Requirements 7 University CORE U CORE - Others 21 CORE C3 - C9 21 CORE C1 & C2 U CORE - English Language 6 3 6 HMAW 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellne Sub-total for University CORE 30 30 Term load (excl. free credits) 20 17 18 12 15 169## << Declaration of BEng << Declaration of BBA Notes

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

--- 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.