School of Engineering and School of Business Management

BEGBUS (Via DDP PBA)

Student's Pathway

2021-22 Intake

An Example on Student's Pathway

Dual Degree Program (BEng in Bioengineering and BBA in Global Business) rogram 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 Students should take 022P COMP1021 which will also be OMP 029P Python Programming Bridging Course used to substitute ISOM 2010 OMP 2011 rogramming with C++ and to waive ISOM 2020 OMP lonors Object-Oriented Programming and Data Structures ENGG cademic Orientation lote: CHEM1010 OR CHEM 1020 3 3 НЕМ CHEM General Chemistry IB Laboratory for General Chemistry I ANG 2030 Technical Communication I Waived for DDP students 1901 Seneral Biology I 3 3 3 (MATH 1014 OR MATH 1024)] OR [MATH 1020] Calculus IA 1013 Calculus IB 3 3 MATH 1014 Calculus II ccelerated Calculus MATH 1020 1023 MATH lonors Calculus I Honors Calculus II Note: PHYS 1112 OR PHYS 1312 tiole: PHTS 112 ON PHTS 1312
Sherral Physics I with Calculus
tonors General Physics I
rignieering Introduction course (If the students take an introduction course included in their PHYS 1112 (3) 0 SENG 3-4 23-29 19 Required credits for Engineering Fundamental Courses Major Required Courses and Electives Note: BIEN 1010 OR CENG 1000 1010 Introduction to Biomedical Engineering 3 3 3 ntroduction to Chemical and Biiological Engineering Modeling for Chemical and Biological Engineering ellular and Systems Physiology for Engineers 3 BIEN 2610 Chemical Biology for Engineers 3 3 3 BIEN 2990 Academic and Professional Development I 1 1 lote: BIEN 3310 OR BIEN 3320 3 3 Data Science for Neural Engineering Data Science for Biology and Medicine BIEN 3410 Introduction to Bioinstrumentation and Bioimaging 3 3 BIEN 3910 Bioengineering Laboratory 4 4 Note: BIEN 4920 OR BIEN 4930 OR BIEN 4940 Note: BIEN 4920 OK BIEN 4930 OK BIEN 4 Bioengineering Capstone Design Bioengineering Thesis Research Bioengineering Industrial Project Academic and Professional Development II BIEN 4990 Chemical and Biological Engineering Thermodynamics CENG 2210 3 3 3 CENG 2220 Transport Phenomena I 3 CENG 3230 Chemical and Biological Reaction Engineering 3 3 3 Engineering Seminar Series Note: LIFS 3150 OR MATH 2411 OR BIEN 3300 ENGG 2010 0 0 BIEN 3300 Data Science for Molecular Engineering Silongineering Electives (5 courses from the specified elective list, of which at least 9 credits should e taken from a single specialty area (Area 1 or Area 2). Out of the 15 credits taken, at least 9 credits hould be at 4000-level) LANG 4035 Technical Communication II for Chemical and Biological Engineering 3 3 3 SCI/SENG 15 Required credits for Major Required Courses and Electives 60-61 60 **BBA in Global Business** School Requirements ACCT Principles of Accounting I 3 3 ACCT Principles of Accounting II 3 3 CON 2113 ficroeconomics lote: ECON 2123 OR ECON 3123 2123 3 FINA 2303 Financial Management 3 3 3 2010 SOM Introduction to Information Systems 3 1 ----0 ISOM 2020 -Coding for Business have taken and passed OMP1021 or COMP 1029F 3 0 LIFS 3150/MATH 2411/BIEN SOM 2500 --Business Statistics ISOM 2600 Introduction to Business Analytics BIEN 3310/3320 Onerations Manageme ISOM 2700 MARK 2120 Marketing Management 3 3 usiness Ethics and the Individual 2 MGMT 2110 Organizational Behavior 3 MGMT 2130 Business Ethics and Social Responsibility 2 2 SBMT 1111 Business Student Induction 0 0 Waived for DDP students ABU 2040 Business Case Analyses 3 Waived for DDP students Effective Communication in Business
Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 .ABU 2060 DDP students should take MATH 1013 OR MATH 1023 to satisfy the requirements of both BSc and BBA degrees Calculus and Linear Algebra Calculus IA Calculus IB (3) Required credits for School Requirements 43-44 31 Major Requirements Major Required Courses and Electives Global Leadership Development Public Service Project GBUS [1] 1 GBUS/ISON Note: GBUS 3030 OR ISOM2040 3030 2040 Global Business Case Studies Business Simulation and Strategic De 4 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 additional major in SBM may not be counted towards this elective requirement.) GBUS 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 0 3 TEMG 3950 T&M Case Analysis and Product Innovation 3 3 4950 3-5 4 TEMG T&M Corporate Consulting Project Required credits for Additional Requirements 7 7 **University CORE** C3 - C12 U CORE - Others 30 30 C1 & C2 U CORE - English Language 6 6 Sub-total for University CORE 36 Term load (excl. free credits) 19 18 18 18 19 17 18 19 180## << Declaration of BBA << Declaration of BEng major Notes

() 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