CEFINA 2023-24 Intake

30

An Example on Student's Pathway (as of August 3, 2023) << Declaration of | << Declaration of BBA maior BEng major School of Engineering and School of Business Management Dual Degree Program (BEng in Chemical Engineering and BBA in Finance) Remarks Course Title / Courses List course code prefix) **BEng in Chemical Engineering Major Requirements** Engineering Fundamental ( Note: COMP1021 OR COMP1022P OR COMP2011 OR COMP2012H Introduction to Computer Science
Introduction to Computing with Java
Programming with C++
Honors Oblect-Oriented Programmir
General Chemistry I LANG 2030 0 Waived for DDP students lote: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] MATH 1012 Calculus IA MATH MATH 1013 1014 Calculus IB 3 Calculus II MATH 1020 Accelerated Calculus 1023 lonors Calculus I lonors Calculus II MATH MATH 2011 Introduction to Multivariable Calculus Note: PHYS 1112 OR PHYS 1312 1112 3 3 PHYS General Physics I with Calculus 3 Required credits for Engineering Fundamental Courses 19-24 18 Major Required Courses and Electives Note: CENG1000 OR CENG1500 Introduction to Chemical and Biological Engineering 3 3 CENG A First Course on Materials Science and Application: Note: CENG1600 OR CENG1700 OR BIEN1010 1600 1700 1010 1010 Biotechnology and Its Business Opportunities Introduction to Environmental Engineering Introduction to Biomedical Engineering Academic and Professional Development I 3 BIEN CENG 0 0 1980 0 CENG 2110 Process and Product Design Principles 3 2210 Chemical and Biological Engineering Thermodynamic CENG 2220 Transport Phenomena I 3 3 CENG 2310 Modeling for Chemical and Biological Engineering 3 Process Dynamics and Control Integrated Chemical Process & Product Design 5 5 3210 3 Separation Processes 3 3 CENG 3220 3 Chemical and Biological Reaction Engine 3 3 3330 Data Science for Molecular Engineering 3 CENG Chemical and Environment Engineering Laboratory 4 CENG 4020 Academic and Professional Development II

Note: CENG 4920 OR CENG 4930 OR CENG 4940 (Students 6 taking the Research Option must take CENG 4930)
Chemical Engineering Capstone Design
Chemical Engineering Thesis Research CENG 4930 CENG 4940 Chemical Engineering Industrial Project 0 1050 Laboratory for General Chemistry I 1 CHEM CHEM undamentals of Organic Chemistry CHEM 2155 Fundamental Organic Chemistry Laborator 4035 Technical Communication II for Chemical and Note: BIEN2410 OR BIEN2610 OR LIFS1901 2410 Cellular and Systems Physiology for Engineers Chemical Biology for Engineers General Biology I 3 3 LIFS 1901 CENG Elective (9 credits from specified elective list)

Required credits for Major Requirements Courses and Electives CENG/CHEM **BBA** in Finance School Requirements Principles of Accounting I Principles of Accounting II Note: ECON 2103 OR ECON 2113 2103 3 3 **ECON** Principles of Microeconomics 3 2113 Microeconomics Note: ECON 2123 OR ECON 3123 2123 3123 3 ECON FINA 2303 Financial Management FINA 2303 is a major pre-requis Substituted by COMP 3 2010 Introduction to Information Systems ISOM 2020 coding for Business 1 0 SOM ave taken and passed COMP102<sup>o</sup> or COMP 1029P ISOM 2500 **Business Statistics** 3 3 2700 3 3 Marketing Management Business Ethics and the Individual 2120 3 Organizational Behavior MGMT 2110 3 MGMT 2130 Business Ethics and Social Responsibility Non DDP-ECON students take ONLY a 3-credit of SBM-specific Note: LANG 2061 OR 2062 OR 3060 2061 2062 3060 Professional Writing for the Workplace Professional Speaking for the Workplace Advanced Academic Writing English course, in which they can choose from one of the three LANG courses (LANG 2061, LANG 2062, or LANG 3060). LANG Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 102 DDP students should take MATH 1012 or MATH 1013 or MATH 1020 MATH 1003 Calculus and Linear Algebra MATH 1012 1013 Calculus IA (3) or MATH 1023 to satisfy the equirements of both BEng and BBA MATH Calculus IB MATH Accelerated Calculus MATH onors Calculus I Required credits for School Requirements Major Requirements Major Required Courses and Key Skills for Finance Professionals (A) Intermediate Investments 3103 3 3 3 3203 Derivative Securities 3 3 3303 Intermediate Corporate Finance 3 3 3810 0 Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030 3010 3 3020 Financial Accounting II 3030 Intermediate Financial Accounting for Non-Accounting Majors
Note: ISOM 3230 OR ISOM 3400 If DDP students took COMP 1021 i 3230 BEng requirement, they are required to enroll ISOM 3230. Required credits for Major Required Courses and Electives **Additional Requirements** Requirements for Dual Degree Program Required Course TEMG T&M Professional Activities TEMG 3950 T&M Case Analysis and Product Innovation 3 3 3 TEMG 4950 3-5 T&M Corporate Consulting Project Required credits for Additional Requirements **University CORE** C3 - C9 U CORE - Others 21 21 CORE C1 & C2 U CORE - English Language 6 HMAW 1905 Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 3

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

\* Courses offered in winter term ^ Courses offered in summer term

-- denotes the course/requirement is either waived or substituted

## To graduate, students should complete all requirements as 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.

30

19 21

<< Declaration of BBA major

< Declaration of

Sub-total for University CORE