<< Declaration of | << Declaration of

BEng major

CVMARK (Via DDP PBA)

2024-25 Intake

BBA major School of Engineering and School of Business Management Student's Pathway School: Dual Degree Program (BEng in Civil and Environmental Engineering and BBA in Remarks Course Code Course Title / Courses List BEng in Civil and Environmental Engineering **Major Requirements Engineering Fundamental Courses** COMP COMP ntroduction to Computer Science ntroduction to Computing with Java hich will also be used to substitu ISOM 2010 and to waive ISOM 2011 Programming with C++ 2020 COMP 2012H Honors Object-Oriented Programming and Data Structures СНЕМ 1012 General Chemistry B: Atomic Structure, Molecules, and Bonding Theories 3 Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020] 1012 1013 1014 Calculus IA Calculus IB Calculus II 1020 1023 Accelerated Calculus Honors Calculus I Honors Calculus II MATH 1024 MATH 2011 Introduction to Multivariable Calculus 3 3 MATH 2350 Applied Linear Algebra and Differential Equations 3 3 Applied Linear Algebra and Differential Equations

Note: PHYS 1112 OR PHYS 1312□

General Physics I with Calculus□

Honors General Physics I

Required credits for Engineering Fundamental Courses 1112 1312 3 PHYS 19-24 21 Major Required Courses and Electives 1010 Academic Professional Development I 0 0 1100 Discovering Civil and Environmental Engineering 3 3 CIVL Industrial and BIM Training 0* 0 CIVL 2110 3 3 3 CIVL 2120 Mechanics of Materials 3 3 3 2160 Modeling Systems with Uncertainties substitute ISOM 2500 CIVL 2170 Infrastructure Systems Engineering and Managemen 3 3 CIVL 2410 Environmental Assessment and Management 3 3 3 CIVL 2510 Fluid Mechanics 2810 Construction Materials 3 CIVL 3 Academic Professional Development III CIVL 3010 0 Note: CIVL3210 OR CIVL3610 3 3210 3 Introduction to Construction Management 3 CIVL 3610 Traffic and Transportation Engineering 3310 3 3320 Reinforced Concrete Design 3 3 3 Water and Wastewater Engineering CIVL 3420 3 3 3 3510 Hydrosystems Engineering 3 3 3 CIVL 3730 Fundamentals of Geotechnics 3 3 3740 CIVL Geotechnical Analysis and Design 3 3 4920)

Civil and Environmental Engineering Final Year Project

Civil and Environmental Engineering Final Year Thesis 6 4910 CIVL 4950 Civil Engineering Capstone Design Project 3 3 3 ENGG 2010 Engineering Seminar Series Note: CIVL4450 OR CIVL 5450 OR CIVL5460 Carbon Footprint Analysis and Reduction

Hazardous Waste Treatment and Site Remediation CIVL 4450 5450 3 3 Hazardous Waste Treatment and site Remediation
Landfill Engineering and Design
CIVL (Environmental) Electives [2 courses from the specified elective list. At least 1 cot
(3 credits) should be selected from the "Restricted Electives"] Restricted electives: at least 1 course AND (CIVL: Any CIVL courses at 4000-level or above except those listed as "Restricted Electives" from the list OR SENG: Any 3000-level or above courses offered by the Engineering School or engin CIVL/SENG 3 6 | Idepartments other than CIVL)
| Required credits for Major Requirements Courses and Electives 63 63 **BBA** in Marketing School Requirements Principles of Accounting I Principles of Accounting II

Note: ECON 2103 OR ECON 2113

Principles of Microeconomics ACCT 2200 3 3 3 3 ECON croeconomics ote: ECON 2123 OR ECON 3123 2123 Macroeconomics Macroeconomic Theory I ECON 3123 INA 2303 Financial Management 3 3 3 Substituted by COMP 1021/1022P/2011/2012H Waived for DDP students if they have taken and passed COMP102' or COMP 1029P ISOM 2010 Introduction to Information Systems 0 SOM 2020 0 oding for Business ISOM 2500 Business Statistics 3 0 Substituted by CIVL 2160 ISOM 2600 Introduction to Business Analytics ISOM 2700 Operations Management 3 MARK 2120 is a major pre-requisite MARK 2120 Marketing Management 3 3 иGMT 2010 usiness Ethics and the Individual MGMT 2110 MGMT 2130 Business Ethics and Social Responsibility Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023 1003 1012 1013 1020 ИАТН Calculus IA (3) or MATH 1023 to satisfy the quirements of both BEng and BBA Calculus IB Accelerated Calculus degrees Honors Calculus I Required credits for School Requirements 39-40 29 Major Requirements Major Required Courses and Electives Marketing Research 3220 MARK 3420 Consumer Behavior 4 Strategic Marketing MARK 4210 4 4 4 /ARK MARK 3000-level or above Electives (Any 3 courses of the subject and level as specified) 12 12 **Additional Requirements** Requirements for Dual Degree Program Required Courses T&M Professional Activities TEMG 0 0 TEMG 3950 T&M Case Analysis and Product Innovation 3 TEMG 4950 3-5 4 4 T&M Corporate Consulting Project Required credits for Additional Requirements **University CORE** U CORE - Others 21 C1 & C2 U CORE - English Language MAW Behavioral Foundations of University Education: Habits, Mindsets, and Wellness 1905 3 3 Sub-total for University CORE 30 30 erm load (excl. free credits) 20 19 16 21 15 17 18

() 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

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*Remarks on course(s):