

**The University of Hong Kong (330 credits)**

## Global Engineering and Business Dual Degree Program

## Year 1 (72 credits)

ENGG1300: Fundamental Mechanics

ENGG1310: Electricity and Electronics

ENGG1320: Engineers in the Modern World

ENGG1330: Computer Programming I

ENGG1350: Thermofluidic Mechanics

MATH1851: Calculus and Ordinary Differential Equations

MATH1853: Linear Algebra and Statistics

ACCT1101: Introduction to Financial Accounting

CAES1000: Core University English

CCST9038: Science and Science Fiction

CCHU9058: Nature in the City

CCCH9006: China's Modernization in the East Asian Context

## Year 2 (72 credits)

ENGG1340: Computer Programming II

COMP2121: Discrete Mathematics

COMP2119: Introduction to Data Structure and Algorithms

ELEC2346: Electric Circuit Theory

ELEC2441: Computer Organization and Microprocessors

ELEC2844: Probabilistic Systems Analysis

ELEC2840: Engineering Training

ECON1210: Introductory Microeconomics

ECON1220: Introductory Macroeconomics

FINA1310: Corporate Finance

IIMT2601: Management Information Systems

CCGL9042: The Evolution of Civilization

## Year 3 (60 credits)

COMP3230: Principles of Operating Systems

COMP3297: Software Engineering

COMP3278: Introduction to Database Management Systems

COMP3270: Artificial Intelligence

COMP3234: Computer and Communication Networks

ELEC3844: Engineering Management and Society

ELEC3249: Pattern Recognition and Machine Learning

ELEC3848: Integrated Design Project

ELEC3841: Internship Program

CENG9001: Practical Chinese for Engineering Students

FINA2320: Investment and Portfolio Analysis (UIBE Exchange)

## Year 4 (66 credits)

COMP3360: Data-driven Computer Animation

ELEC3342: Digital System Design

ELEC3442: Embedded Systems

ELEC4547: Emerging Technology for VR/AR

ELEC4542: Introduction to Deep Learning for Computer Vision

ELEC4848: Senior Design Project

ACCT2105: Introduction to Management Accounting

FINA2312: Advanced Corporate Finance

FINA2350: Text Analytics and NLP in Finance and Fintech

CAES9541: English for Engineering Students

## Year 5 (60 credits)

CAES9920: Academic Communication for Business Students

BUSI3801: Business Law

IIMT3636: Decision and Risk Analysis

ECON4200: Senior Seminar in Economics and Finance

Global Course

Global Course

Finance Elective (FINA2390 Financial Programming)

Finance Elective (FINA4359 Quantitative Finance)

Finance Elective (FINA2330 Financial Markets)

Elective Course (IIMT2641 Business Analytics)

**Georgia Institute of Technology**

MSc in Computer Science (OMSCS Program)

CS6515 Introduction to Graduate Algorithms

CS6200 Introduction to Operating Systems

CS6491 Foundations of Computer Graphics

CS7641 Machine Learning

CS7646 Machine Learning for Trading

CS7643 Deep Learning

CS7496 Computer Animation

CSE6242 Data and Visual Analytics

ISYE6402 Time Series Analysis

MGT8813 Financial Modeling