COMPUTER ENGINEERING – MINOR + MINOR
Quantitative Analyst

FOR COHORT AY2021/2022 ONWARDS	MC
Common Curriculum	**60**
GESS Singapore Studies	4
GEC Cultures and Connections	4
GEN Communities and Engagement	4
ES2531 Critical Thinking and Writing	4
CS1010 Programming Methodology	4
GEA1010 Quantitative Reasoning with Data	4
DTK1234 Design Thinking	4
EG1311 Design and Make	4
IE2141 Systems Thinking and Dynamics	4
EE2211 Introduction to Machine Learning	4
EG2501 Liveable Cities	4
Creating Narratives	4
PF1101 Fundamentals of Project Management	4
CG4002 Computer Engineering Capstone Project	8
Major Requirements	**60**
MA1511 Engineering Calculus	2
MA1512 Differential Equations for Engineering	2
MA1508E Linear Algebra for Engineering	4
EG2401A Engineering Professionalism	2
CP3880 Advanced Technology Attachment Programme or EG3611 Industrial Attachment	12 or 10
CG1111A Engineering Principles and Practice I	4
CG2111A Engineering Principles and Practice II	4
CS1231 Discrete Structures	4
CG2023 Signals & Systems	4
CG2027 Transistor-level Digital Circuits	2
CG2028 Computer Organization	2
CG2271 Real-time Operating Systems	4
CS2040C Data Structures and Algorithms	4
CS2113 Software Engineering & Object-Oriented Programming	4
EE2026 Digital Design	4
EE4204 Computer Networks	4
Minor in Economics	**20**
(complete at least 20 MCs of EC-coded or EC-recognised modules)	
EC1101E Introduction to Economic Analysis	4
EC2101 Microeconomic Analysis I	4
EC2102 Macroeconomic Analysis I	4
EC-coded module	4
EC-recognised module: (select 1) FIN2004/FIN2004X/FIN2704/FIN2704X Finance RE1704 Principles of Real Estate Economics RE2705 Urban Economics MA1521 Calculus for Computing / MA1102R Calculus ST3131 Regression Analysis	4
Minor in Quantitative Finance	**20**
QF1100 Introduction to Quantitative Finance	**4**
MA2301 Basic Applied Mathematics	8
QF2104 Fundamentals of Quantitative Finance	
QF3101 Investment Instruments and Risk Management	**4**
Pass **one** of the following modules: • QF3103 Advanced Mathematics in Quantitative Finance • ST3131 Regression Analysis • EC3303 Econometrics I • FIN3702 Investment Analysis and Portfolio Management • FIN3716 Financial Modelling	4
Visit this site for other criteria and updates: https://www.math.nus.edu.sg/ug/majmin/minors/qfmin/	
TOTAL	**160**

*The listed modules are subject to change.