



BIOMEDICAL ENGINEERING – MINOR + MINOR

FOR COHORT AY2021/2022 ONWARDS	MC
Common Curriculum	60
Singapore Studies	4
Cultures and Connections	4
Communities and Engagement	4
Critical Thinking and Writing	4
Programming Methodology	4
Quantitative Reasoning with Data	4
Design Thinking	4
Design and Make	4
Systems Thinking and Dynamics	4
Introduction to Machine Learning	4
Liveable Cities	4
Creating Narratives	4
Fundamentals of Project Management	4
B.Eng Dissertation	8
Major Requirements	60
Engineering Calculus	2
Introduction to Numerical Methods for Engineers	2
Uncertainty Analysis for Engineers	2
Linear Algebra with Differential Equations	2
Engineering Professionalism	2
Industrial Attachment	10
Biomedical Engineering Principles and Practice I	4
Biomedical Engineering Principles and Practice II	4
Biochemistry and Biomaterials for Bioengineers	4
Bioengineering Data Analysis	4
Quantitative Physiology for Bioengineers	4
Fundamentals of Biomechanics	4
Fundamentals of Biosignals and Bioinstrumentation	4
Biomedical Engineering Design	4
Technical Electives	8
Minor in Public Health	20
Fundamental Public Health Methods	4
Public Health and Epidemiology	4
Elective modules from Minor [^]	12
Minor in Economics	20
Introduction to Economic Analysis	4
Microeconomic Analysis I	4
Elective modules from Minor ^{^^}	12
TOTAL	160

[^] You may choose from a basket of modules. Please find more details [here](#).

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