NUS National University of Singapore | Yong Loo Lin School of Medicine

PROGRAMME CURRICULUM

MASTER OF SCIENCE IN BIOMEDICAL INFORMATICS

Core Courses

S/N	COURSE TITLE	COURSE CODE	UNITS
1	Advanced Biomedical Informatics	**BMI5101**	4
2	Capstone Project	**BMI5111**	4
3	Medical Data and Data Processing	**BMI5207**	4
4	Advanced Agile Project Management	**BMI5306**	4
5	Software Development Fundamentals	**IT5001X**	4

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Elective Courses

Specialisation in Analytics

S/N	COURSE TITLE	COURSE CODE	UNITS
1	Health Sciences for Non-Clinicians **Not for clinicians*	**BMI5102**	4
2	Advanced Scientific Research Methods	**BMI5109**	4
3	Molecular Informatics	**BMI5110**	4
4	Advanced Human Factors Engineering	**BMI5206**	4
5	Data Structures and Algorithms	**IT5003**	4
6	Artificial Intelligence	**IT5005**	4
7	Fundamentals of Data Analytics	**IT5006**	4
8	Advanced Statistical Learning	**SPH6004**	4
9	Advanced Statistical Methods for Bioinformatics **Not available in AY25/26 Semester 2*	**MDG5241**	4

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Specialisation in Hospital Management

S/N	COURSE TITLE	COURSE CODE	UNITS
1	Health Sciences for Non-Clinicians **Not for clinicians*	**BMI5102**	4
2	Clinical Decision Support Systems	**BMI5106**	4
3	Advanced Evidence Based Patient Care	**BMI5107**	4
4	Advanced Value Based Healthcare	**BMI5108**	4
5	Advanced Scientific Research Methods	**BMI5109**	4
6	Advanced Clinical Data Systems	**BMI5201**	4
7	Ethics of Health Data and Artificial Intelligence	**MDG5248**	4
8	Artificial Intelligence	**IT5005**	4
9	Fundamentals of Data Analytics	**IT5006**	4
10	Implementing Public Health Programmes and Policies	**SPH5007**	4
11	Economic Methods in Health Technology Assessment	**SPH5412**	4
12	Health Behaviour and Communication	**SPH5003**	4
13	Introduction to Integrated Care	**SPH5416**	4
14	Health Economics and Financing	**SPH5401**	4
15	Advanced Statistical Learning	**SPH6004**	4
16	Digital Agility & Change Leadership	**DL5102**	4
17	Strategic Thinking & Digital Foresight	**DL5201**	4
18	Managing Digitalisation Complexity	**DL5302**	4