

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	IT5001	4

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	Digital Agility & Change Leadership	DL5102	4
6	Data Structures and Algorithms	IT5003	4
7	Artificial Intelligence	IT5005	4
8	Fundamentals of Data Analytics	IT5006	4
9	Advanced Statistical Learning	SPH6004	4
10	Qualitative Methods in Public Health	SPH5409	4
11	Advanced Statistical Methods for Bioinformatics	MDG5241	4

Specialisation in Hospital Management

S/N	COURSE TITLE	COURSE CODE	UNITS
1	Health Sciences for Non-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 Clinical Data Systems	BMI5201	4
6	Ethics of Health Data and Artificial Intelligence	MDG5248	4
7	Artificial Intelligence	IT5005	4
8	Fundamentals of Data Analytics	IT5006	4
9	Implementing Public Health Programmes and Policies	SPH5007	4
10	Economic Methods in Health Technology Assessment	SPH5412	4
11	Health Behaviour and Communication	SPH5003	4
12	Introduction to Integrated Care	SPH5416	4
13	Health Economics and Financing	SPH5401	4
14	Advanced Statistical Learning	SPH6004	4
15	Digital Agility & Change Leadership	DL5102	4
16	Strategic Thinking & Digital Foresight	DL5201	4
17	Managing Digitalisation Complexity	DL5302	4