Suggested Study Path for MSHSM 2024-2025

(Management Training Stream)

Students can specialize in one of the two streams (Management Training Stream <u>or</u> Research Training Stream) by completing the required courses prescribed by the stream.

Programme Core Courses for <u>All </u>Streams (18 credit units, choose 6 core courses out of the 7 courses)

Course code	Course Title	Credit Units	Offering Semester
BMS5001	Common Diseases and Genomic Medicine	3	B
BMS5002	Infectious Disease Management	3	A
BMS5007	Pharmacology Principles in Drug Discovery and Development	3	A
BMS5008	Fundamental and Advanced Multi-omics Research	3	B
BMS5009	Ageing and the Science of Human Longevity	3	B
BMS5010	Artificial Intelligence in Health Science Research and Management	3	B
BMS5011	Wearable technologies and Health Science Research	3	A

Management Training Stream

Stream Elective Courses (12 credit units, choose from the list of elective courses for Management Training Stream below)

Course code	Course Title	Credit Units	Offering Semester
BIOS5800	Probability *(Maximum: 5 quotas)*	3	A
BIOS5801	Statistical Computing *(Maximum: 5 quotas)*	3	A
BIOS6900	Time Series Analysis *(Maximum: 5 quotas)*	3	B
BMS5101	Project Study in Management and Relevant Disciplines	6	A + B or B + Summer
BMS8103	Cell and Molecular Biology Research	3	A
BMS8105	Biotherapy and Nanomedicine	3	A
BMS8106	Stem Cell and Regeneration Medicine	3	A
BMS8107	Cancer Biology and Precision Medicine	3	B

BMS8110	Genomics and Bioinformatics *(not open for students who have taken BMS5008 already)*	3	A
BMS8111	Immunology and Infectious Diseases *(not open for students who have taken BMS5002 already)*	3	B
MS5216	Decision Analytics *(Maximum: 5 quotas)*	3	A
MS5217	Statistical Data Analysis *(Maximum: 5 quotas)*	3	A
MS5411	Healthcare Management (*Maximum: 30 quotas)*	3	B
SYE5006	Operations Management *(Maximum: 5 quotas)*	3	A
SYE5010	Engineering Management Principles and Concepts *(Maximum: 5 quotas)*	3	A
SYE6009	Project Management *(Maximum: 5 quotas)*	3	A
SYE6012	Technological Innovation and Entrepreneurship *(Maximum: 5 quotas)*	3	B
SYE6037	Managing Strategic Quality *(Maximum: 5 quotas)*	3	Not offered in 2024-25