



Life Sciences Major Sample Study Plans

Life Sciences Major Sample Study Plans

- Thematic areas or specialties identified within the Major
 - Not specialisation; not official (does not reflect on transcripts).
- Non-obligatory ways of fulfilling the Life Sciences Major
 - Flexible and advisory in nature.
- Versatility for students to develop customised plans
 - Identify individual focus and preferences in Life Sciences.
 - Mix-and-match LSM elective modules to craft new plans.



Specialisation in Biomedical Science (BMS)

Thematic focus and sample study plans

CHS Life Sciences Major – BMS Specialisation (Immunology)

Year 1		Year 2		Year 3		Year 4	
Semester I	Semester II	Semester I	Semester II	Semester I	Semester II	Semester I	Semester II
Cluster 1: Humanities Cluster 2: Asian Studies	Cluster 1: Humanities Cluster 2: Asian Studies	Scientific Inquiry II	Artificial Intelligence	1x Interdisciplinary Module	1x Interdisciplinary Module	LSM4288M Research Project in Life Sciences (BMS) – Pt 1	LSM4288M Research Project in Life Sciences (BMS) – Pt 2
Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Digital Literacy	LSM2105 Molecular Genetics	LSM3223 Immunology	Communities and Engagement	LSM4226 Infection and Immunity	LSM3225 Molecular Microbiology in Human Diseases
Cluster 1: Data Literacy Cluster 2: Design Thinking	Cluster 1: Data Literacy Cluster 2: Design Thinking	Writing	LSM2191 Laboratory Techniques in Life Sciences	LSM3245 RNA Biology and Technology	LSM3242 Translational Microbiology	LSM4223 Advances in Antimicrobial Strategies	LSM4220 Molecular Basis of Human Diseases
LSM Gateway – LSM1111 Biological Challenges and Opportunities for Humankind	LSM2107 Evolutionary Biology	LSM2106 Fundamental Biochemistry	LSM2233 Cell Biology	UE 5 (BMS specialisation) – LSM3227 General Virology	UE 7 (BMS specialisation) – LSM3226 Medical Mycology and Drug Discovery	UE 9	UE 11 (BMS specialisation) – LSM4222 Advanced Immunology
UE 1	UE 2	UE 3	UE 4	UE 6	UE 8	UE 10	UE 12

CHS Life Sciences Major – BMS Specialisation (Microbiology & Infectious Diseases)

Year 1		Year 2		Year 3		Year 4	
Semester I	Semester II	Semester I	Semester II	Semester I	Semester II	Semester I	Semester II
Cluster 1: Humanities Cluster 2: Asian Studies	Cluster 1: Humanities Cluster 2: Asian Studies	Scientific Inquiry II	Artificial Intelligence	1x Interdisciplinary Module	1x Interdisciplinary Module	LSM4288M Research Project in Life Sciences (BMS) – Pt 1	LSM4288M Research Project in Life Sciences (BMS) – Pt 2
Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Digital Literacy	LSM2105 Molecular Genetics	LSM3232 Microbiology	Communities and Engagement	LSM4223 Advances in Antimicrobial Strategies	LSM3225 Molecular Microbiology in Human Diseases
Cluster 1: Data Literacy Cluster 2: Design Thinking	Cluster 1: Data Literacy Cluster 2: Design Thinking	Writing	LSM2106 Fundamental Biochemistry	LSM2233 Cell Biology	LSM3242 Translational Microbiology	LSM4226 Infection and Immunity	UE 10 (BMS Specialization) LSM3226 Medical Mycology and Drug Discovery
LSM Gateway – LSM1111 Biological Challenges and Opportunities for Humankind	LSM2107 Evolutionary Biology	LSM2191 Laboratory Techniques in Life Sciences	LSM2291 Fundamental Techniques in Microbiology	UE 5 (BMS specialisation) – LSM3227 General Virology	UE 7 (BMS specialisation) – LSM3242 Immunology	LSM4222 Advanced Immunology	UE 11
UE 1	UE 2	UE 3	UE 4	UE 6	UE 8	UE 9	UE 12