DEPARTMENT OF BIOLOGICAL SCIENCES
MINOR IN LIFE SCIENCES

1. Programme Requirements
To be awarded a Minor in Life Sciences, the following requirements are to be fulfilled.

<table>
<thead>
<tr>
<th>MODULE LEVEL</th>
<th>MINOR IN LIFE SCIENCES REQUIREMENTS (FOR MATRICULATION COHORTS AY16/17 ONWARDS)</th>
<th>CUMULATIVE MAJOR MC</th>
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<tr>
<td>Level 1000</td>
<td>Pass two modules from the following:</td>
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<tr>
<td>(8 MC)</td>
<td>- LSM1102 Molecular Genetics</td>
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<td></td>
<td>- LSM1105 Evolutionary Biology</td>
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<td>- LSM1106 Molecular Cell Biology</td>
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<td>Level 2000</td>
<td>Pass two LSM21xx/22xx modules except LSM2288 and LSM2289.</td>
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<td>(8 MC)</td>
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<td>Level 3000</td>
<td>Pass two LSM32xx modules (except LSM3288 and LSM3289), one of</td>
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<td>(8 MC)</td>
<td>which (up to 4 MC) may be LSM42xx (except LSM4299) or LSM-</td>
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<td></td>
<td>recognised elective module (except LSM39xx).</td>
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This Minor is not awarded with the Primary or Second Major in Life Sciences.

2. Application
This is an Open Minor. Students may declare it online at the start of every semester before the sixth semester of study.

3. Enquiry
Please contact Life Sciences Enquiry dbsbox2@nus.edu.sg.
### List of Life Sciences Major (LSM) Modules

**LSM22xx Elective Modules**

- LSM2211 Metabolism and Regulation
- LSM2212 Human Anatomy
- LSM2213 General Pathology
- LSM2214 Genes, Genomes and Biomedical Implications
- LSM2215 Cell Biology
- LSM2234 Physical Concepts in Biology
- LSM2241 Introductory Bioinformatics
- LSM2251 Ecology and Environment
- LSM2252 Biodiversity
- LSM2253 Applied Data Analysis in Ecology and Evolution
- LSM2254 Fundamentals of Plant Biology
- LSM2291 Fundamental Techniques in Microbiology

**LSM4xxx Elective Modules (Biomedical Science)**

- LSM4201 Topics in Biomedical Science
- LSM4210 Toxicology
- LSM4211 Systems Neurobiology
- LSM4213 Cancer Pharmacology
- LSM4214 Extreme Physiology
- LSM4215 Molecular Nutrition and Metabolic Biology
- LSM4216 Functional Ageing
- LSM4217 Drug Discovery and Clinical Trials
- LSM4221 Advanced Immunology
- LSM4222 Advances in Antimicrobial Strategies
- LSM4223 Genetic Medicine in the Post-Genomic Era
- LSM4224 Infection and Immunity
- LSM4225 Stem Cell Biology
- LSM4226 Experimental Models for Human Disease and Therapy
- LSM4227 Therapeutic and diagnostic agents from animal toxins
- LSM4228 Reproductive Biology

**LSM4xxx Elective Modules (Molecular and Cell Biology)**

- LSM4231 Structural Biology
- LSM4232 Human Ageing
- LSM4233 Mechanobiology
- LSM4234 Nuclear Mechanics and Genome Regulation
- LSM4235 Functional Genomics
- LSM4236 Protein Engineering
- LSM4237 Tumour Biology
- LSM4238 Oncogenes and Signal Transduction
- LSM4245 Advanced Epigenetics and Chromatin Biology
- LSM4246 Plant Growth and Development

**LSM4xxx Elective Modules (Environmental Biology)**

- LSM4251 Field Studies in Biodiversity
- LSM4252 Urban Ecology
- LSM4253 Freshwater Biology
- LSM4254 Animal Communications & Sensory Ecology

**LSM4xxx Elective Modules (Biomedical)**

- LSM4255 Methods in Mathematical Biology
- LSM4256 Evolution of Development
- LSM4257 Aquatic Vertebrate Diversity
- LSM4258 Evolutionary Genetics of Reproduction
- LSM4259 Marine Biology
- LSM4260 Tropical Conservation Biology
- LSM4261 Field Studies in Biodiversity
- LSM4262 Urban Ecology
- LSM4263 Freshwater Biology
- LSM4264 Urban Ecology
- LSM4265 Marine Biology
- LSM4266 Tropical Conservation Biology

**LSM4xxx Elective Modules (Environmental)**

- LSM4267 Principles of Taxonomy and Systematics
- LSM4268 Methods in Mathematical Biology
- LSM4269 Evolution of Development
- LSM4270 Aquatic Vertebrate Diversity
- LSM4271 Evolutionary Genetics of Reproduction
- LSM4272 Marine Biology
- LSM4273 Tropical Conservation Biology
- LSM4274 Field Studies in Biodiversity
- LSM4275 Urban Ecology
- LSM4276 Freshwater Biology
- LSM4277 Animal Communications & Sensory Ecology

**List of LSM-Recognised Elective Modules**

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<th>Saw Swee Hock School of Public Health</th>
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