

# FoS Freshmen Welcome 2023

*Life Sciences*

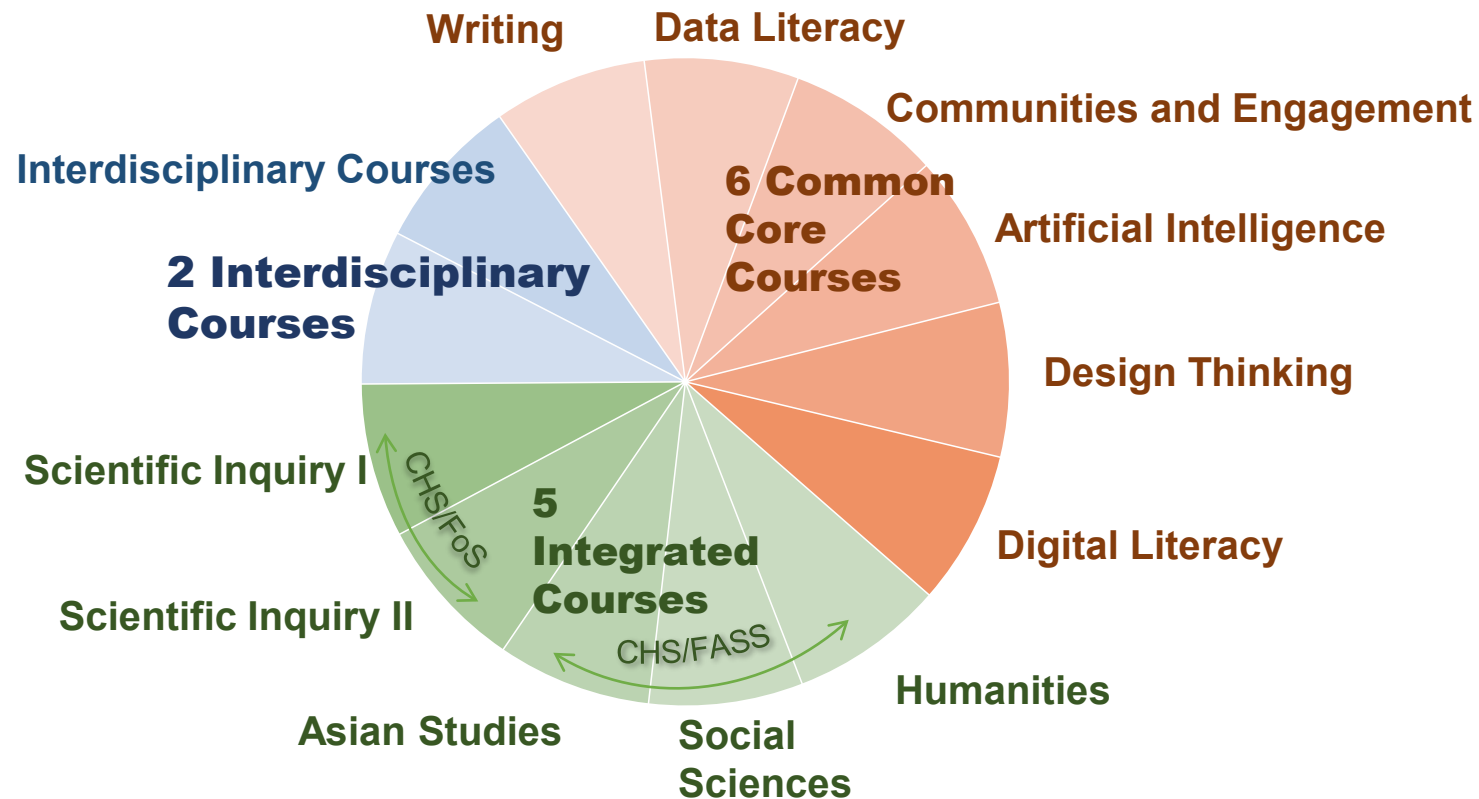
*14 July 2023, 1.30 pm*

---

**I am in Life Sciences now.  
What's next?**

# LIFE SCIENCES

- 4-year BSc (Hons) degree by Faculty of Science for students enrolled in College of Humanities and Sciences (CHS).
- **CHS Common Curriculum – 13 Courses**



# LIFE SCIENCES MAJOR – 15 COURSES

	Life Sciences Major	Common Curriculum	Unrestricted Electives (UE)
Years 1&2	<b>Pass 5 Essential Courses:</b> <b>LSM1111</b> Biological Challenges and Opportunities for Humankind <b>LSM2105</b> Molecular Genetics <b>LSM2106</b> Fundamental Biochemistry <b>LSM2107</b> Evolutionary Biology <b>LSM2191</b> Laboratory Techniques in Life Sciences	<b>10 Courses</b> (40 Units)	<b>5 Courses</b> (20 Units)
Years 3&4	<b>Pass 40 Units as follows:</b> (i) A variant of LSM4288 Year-long Research Project (8 Units) or LSM3288/3288R/2288/2288R Semester-long UROPS (4 Units) – <i>compulsory research component</i> (ii) 32-36 Units of LSM22xx/32xx/42xx/3991/4991 (excluding LSM2289/R, LSM3289/R, and LSM4288 variants), where: a. At most 8 Units of LSM22xx (excluding LSM2288/R). b. At least 12 Units of LSM42xx. c. Only 4 Units can be fulfilled with either LSM3991 or LSM4991.	<b>3 Courses</b> (12 Units)	<b>7 Courses</b> (28 Units)
Total	<b>15 courses equivalent</b> (60 Units)	<b>13</b> (52 Units)	<b>12</b> (48 Units)

# Two Specialisations (updated)

## Biomedical Science (BMS)

focuses on human health and diseases, and its goal of clinical solutions.

## Ecology, Evolution and Biodiversity (EEB)

affirms the importance and relevance of biodiversity and ecology and their applications towards conservation and sustainability.

*Note: The specialisation of Molecular and Cell Biology (MCB) has been consolidated with BMS and EEB.*

# Life Sciences Major – Example Study Plan

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 Course	1x Interdisciplinary Course	<b>LSM4288</b> Research Project in Life Sciences – Pt1	<b>LSM4288</b> Research Project in Life Sciences – Pt 2
Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Cluster 1: Scientific Inquiry I Cluster 2: Social Sciences	Digital Literacy	<b>LSM2107</b> Evolutionary Biology	Communities and Engagement	<b>LSM32xx/42xx</b>	<b>LSM42xx</b>	<b>LSM42xx</b>
Cluster 1: Data Literacy Cluster 2: Design Thinking	Cluster 1: Data Literacy Cluster 2: Design Thinking	Writing	<b>LSM2191</b> Laboratory Techniques in Life Sciences	<b>LSM22xx/32xx</b>	<b>LSM32xx/42xx</b>	<b>LSM42xx</b>	UE 10
LSM Gateway – <b>LSM1111</b> Biological Challenges and Opportunities for Humankind OR UE 1 (Either semester)		<b>LSM2106</b> Fundamental Biochemistry	<b>LSM22xx/32xx</b>	<b>LSM32xx/42xx</b>	<b>LSM32xx/42xx</b>	UE 8	UE 11
UE 2	UE 3	UE 4	UE 5	UE 6	UE 7	UE 9	UE 12

Students are strongly encouraged to complete all CHS Common Curriculum courses in their first two years except for the following 3 courses:

- Communities and Engagement – can be taken from Year 2 to 4
- Two Interdisciplinary Courses – can be taken in Years 3 and 4

# **COURSE REGISTRATION (CourseReg)**

---

**LIFE SCIENCES FRESHMEN**

# COURSE REG FOR LS YEAR 1

---

- 1) Submit the Academic Plan Declaration (*EduRec*) preferably by 21 July, 12noon – **1001LSMHON Life Sciences (Hons)**
- 2) Register for Life Sciences gateway **LSM1111** – Semester 1 or 2
- 3) For biology bridging **LSM1301**, allocate by CourseReg Round 1  
– *If not received, please write to [dbsbox2@nus.edu.sg](mailto:dbsbox2@nus.edu.sg).*

LSM1111 Biological Challenges and Opportunities for Humankind	LSM1301 General Biology
Students with a pass in Biology at H2 (A-Level) or HL (IB) or equivalent standard	Students without a pass in Biology at H2 (A-Level) or HL (IB) or equivalent standard

Candidates with local Polytechnic Diploma accepted for Life Sciences Major are not required to read LSM1301.

<https://chs.nus.edu.sg/prospective-students/>

# COURSE REG FOR LS YEAR 1

---

- 4) Students **without a pass in Chemistry** at H2 or HL or equivalent standard, please **register for CM1417** Fundamentals of Chemistry in Semester 1.

(CM1417 Pre-requisite: Pass in GCE 'O' Level Chemistry or equivalent).

***Life Sciences Major essential module LSM2106 Fundamental Biochemistry requires a pass in Chemistry at H2 or HL or equivalent standard, or CM1417/CM1417X (besides H2 Biology).***

Candidates with local Polytechnic Diploma may check for the need to read the chemistry bridging CM1417.

<https://chs.nus.edu.sg/prospective-students/>



# COURSE REG FOR LS YEAR 1

---

5) CHS Common Curriculum courses will be preallocated.

Student/Matriculation Number ending with odd digit	Student/Matriculation Number ending with even digit
<b>HSH1000</b>	<b>HSA1000</b>
<b>HSI1000</b>	<b>HSS1000</b>
<b>GEA1000</b>	<b>DTK1234</b>

Overview of pre-allocated courses for CHS students

<https://www.science.nus.edu.sg/undergraduates/general-academic-requirements-and-policies/#common>

# COURSE REG FOR LS YEAR 1

---

6) Reading Level 2000 courses:

- Consider reading Life Sciences Major **LSM210x** essentials during Year 1, Semester 1 or 2.

<b>LSM2105</b> <b>Molecular Genetics</b>	<b>LSM2106</b> <b>Fundamental Biochemistry</b>	<b>LSM2107</b> <b>Evolutionary Biology</b>
---	---	---

- For Digital Literacy – **LSM2302 Computational Thinking for Life Sciences**  
**[Sem 1]**

Pre-requisite: H2 Biology or equivalent, or LSM1301 General Biology

*[Does not count towards Major requirements]*

# Know Your Resources

---

Life Sciences website – <https://www.dbs.nus.edu.sg/lifesciences/>

EduRec – Education Records System where most of the academic admin happens.

CourseReg and APAD (within EduRec) – Register for courses and declare plans.

NUSMods – Search courses and do timetabling.

Canvas – Online learning management system.

TalentConnect – Source for internship and jobs.

# Applications to Special Programmes for Life Sciences Majors

---

Programme	Application Window	Take note
<a href="#">Concurrent Degree Programme in Life Sciences with The University of Melbourne Doctor of Veterinary Medicine</a>  <b>Note: Details to be updated.</b>	Latter half of Year 1 Semester 2 after recess week (Mar to Apr 2024)	Please complete as least 2 LSM courses by end of Year 1: <ul style="list-style-type: none"><li>• LSM1111</li><li>• LSM2105</li><li>• LSM2106</li><li>• LSM2107</li><li>• LSM22xx elective</li></ul>
<a href="#">Joint Degree Programme in Life Sciences with University of Dundee</a>  <b>Note: Details to be updated.</b>		

# Enquiry

---

Questions on NUS Life Sciences and courses?

Please write to Life Sciences Enquiry [dbsex2@nus.edu.sg](mailto:dbsex2@nus.edu.sg).

**\* Remember – Helpful to provide matric/student number (i.e.,  
A0123456X)**

**AND**

**USE NUS EMAIL**

# FRESHMEN WELCOME EVENT

*For Freshmen with Interest in the Life Sciences*  
***How To Be an Active Learner Beyond Grades:  
Mindsets, Learning Resources and Tools***

**Friday, 11 August 2023**

**9:30 a.m. to 1 p.m. @ LT32**

**Lunch Provided**

**To register** scan QR code  
or use this link -

[https://nus.sydney1.qualtrics.com/jfe/form/SV\\_9SSGTeZNQ2N6g7Q](https://nus.sydney1.qualtrics.com/jfe/form/SV_9SSGTeZNQ2N6g7Q)



## PROGRAMME

### Opening Address

*Head of Department, Prof. Yu Hao*

### Freshmen Welcome Address

*Dr. Zeehan Jaafar*

### Making the Most Out of Your Time at NUS

*Dr. Amy Choong*

### Taking Control of My Learning Journey – Tools for the Modern Classroom

*Dr. Nalini Puniamoorthy*



**To register** scan QR code  
or use this link -

[https://nus.syd1.qualtrics.com/jfe/form/SV\\_9SSGTeZNQ2N6g7Q](https://nus.syd1.qualtrics.com/jfe/form/SV_9SSGTeZNQ2N6g7Q)

### E-Resources for Transferable Knowledge & Skills with Active Learning Strategies

*Assoc. Prof. Lam Siew Hong*

### Learning beyond Grades

*Dr. Lim Xin Xiang*

### How to Enjoy Learning in the Field

*Ms. Xu Weiting and Ms. Cai Hongxia*

### Ready, Steady, Pipette! A Beginner's Guide to a Safe and Enjoyable Lab Experience

*Ms. Low Yi Lian and Ms. Sylvia Law*