

FoS Freshmen Welcome 2023

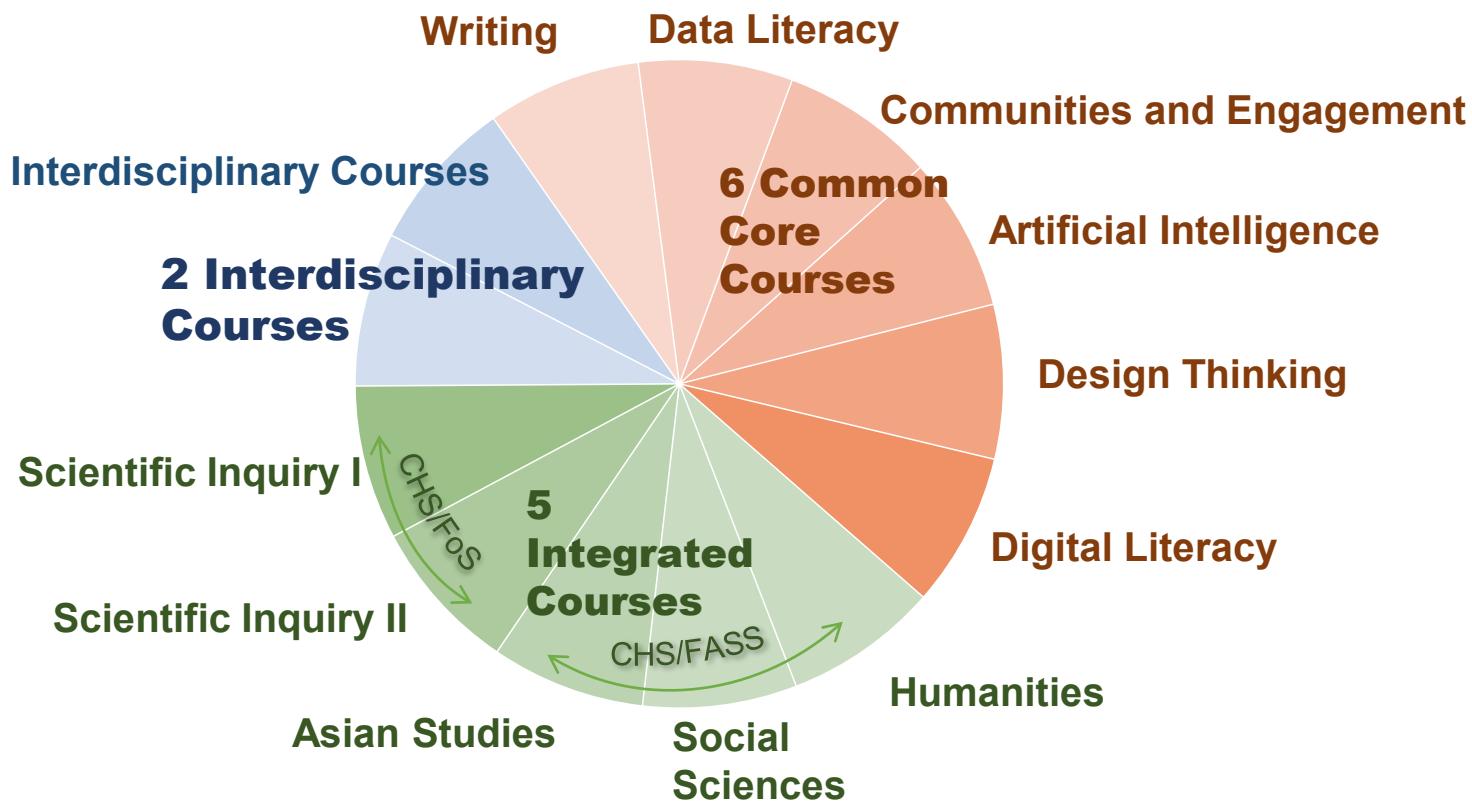
Life Sciences

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	<p>Pass 5 Essential Courses:</p> <p>LSM1111 Biological Challenges and Opportunities for Humankind LSM2105 Molecular Genetics LSM2106 Fundamental Biochemistry LSM2107 Evolutionary Biology LSM2191 Laboratory Techniques in Life Sciences</p>	10 Courses (40 Units)	5 Courses (20 Units)
Years 3&4	<p>Pass 40 Units as follows:</p> <p>(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></p> <p>(ii) 32-36 Units of LSM22xx/32xx/42xx/3991/4991 (excluding LSM2289/R, LSM3289/R, and LSM4288 variants), where:</p> <ol style="list-style-type: none"> At most 8 Units of LSM22xx (excluding LSM2288/R). At least 12 Units of LSM42xx. Only 4 Units can be fulfilled with either LSM3991 or LSM4991. 	3 Courses (12 Units)	7 Courses (28 Units)
Total	15 courses equivalent (60 Units)	13 (52 Units)	12 (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	LSM4288 Research Project in Life Sciences – Pt1	LSM4288 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	LSM2107 Evolutionary Biology	Communities and Engagement	LSM32xx/42xx	LSM42xx	LSM42xx
Cluster 1: Data Literacy Cluster 2: Design Thinking	Cluster 1: Data Literacy Cluster 2: Design Thinking	Writing	LSM2191 Laboratory Techniques in Life Sciences	LSM22xx/32xx	LSM32xx/42xx	LSM42xx	UE 10
LSM Gateway – LSM1111 Biological Challenges and Opportunities for Humankind OR UE 1 (Either semester)		LSM2106 Fundamental Biochemistry	LSM22xx/32xx	LSM32xx/42xx	LSM32xx/42xx	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

COURSEREG 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.*

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/>

COURSEREG 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/>

COURSEREG 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
HSH1000 HSI1000 GEA1000	HSA1000 HSS1000 DTK1234

Overview of pre-allocated courses for CHS students

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

COURSEREG FOR LS YEAR 1

6) Reading Level 2000 courses:

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

LSM2105 Molecular Genetics	LSM2106 Fundamental Biochemistry	LSM2107 Evolutionary Biology
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- 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
<u>Concurrent Degree Programme in Life Sciences with The University of Melbourne Doctor of Veterinary Medicine</u> Note: Details to be updated.	Latter half of Year 1 Semester 2 after recess week (Mar to Apr 2024)	<p>Please complete at least 2 LSM courses by end of Year 1:</p> <ul style="list-style-type: none">• LSM1111• LSM2105• LSM2106• LSM2107• LSM22xx elective
<u>Joint Degree Programme in Life Sciences with University of Dundee</u> Note: Details to be updated.		

Enquiry

Questions on NUS Life Sciences and courses?

Please write to Life Sciences Enquiry **dbsbox2@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.syd1.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



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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