

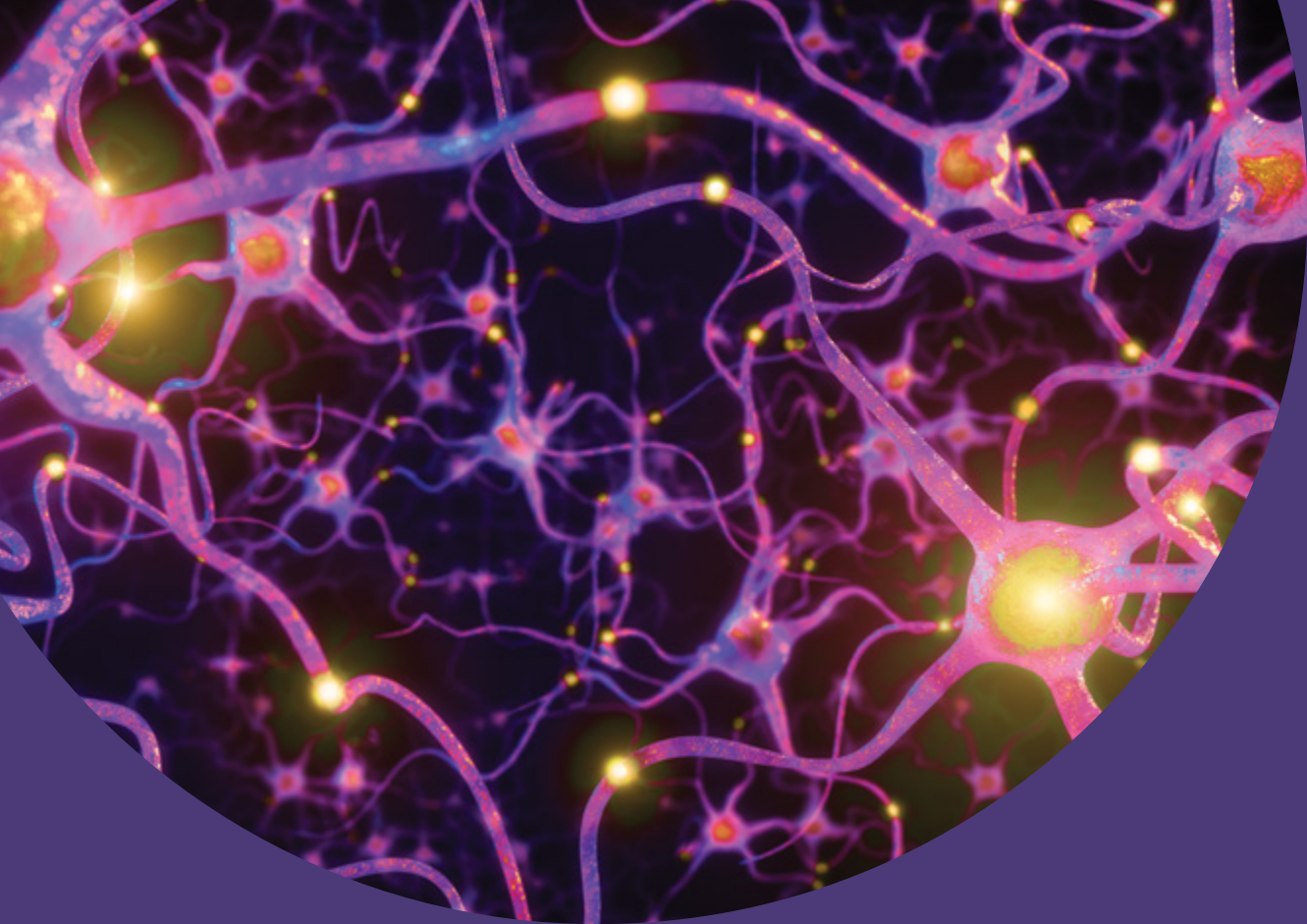


College of Humanities  
and Sciences

# Bachelor of Science (Honours) in Life Sciences

Department of Biological Sciences  
Faculty of Science  
College of Humanities and Sciences





## NUS Life Sciences

From the smallest unit of life to entire ecosystems – life sciences is everywhere. Stem cell research? Knowing how cells work is a must. Environmental conservation? A deep understanding of ecological systems makes all the difference. And if you are interested in figuring out answers to questions like “What is life?” and “How life works?” – NUS Life Sciences might just be for you.

At NUS Life Sciences, you get comprehensive training in essential concepts and latest research techniques within and beyond the biological

and biomedical fields. Our curriculum covers a wide spectrum, including cell and development, cancer science, infectious diseases, neurobiology, ecology and biodiversity. You will build an understanding of how humans work, how we interact with the environment and how to live sustainably.

Furthermore, as part of the **College of Humanities and Sciences (CHS)**, you will get to expand your knowledge in other domains – by picking up a second major or minor offered by the Faculty of Arts and Social Sciences or Faculty of Science (or beyond). CHS’ distinctive Common Curriculum also rounds out your skill set – setting you up for careers of your choice.

# Why NUS Life Sciences?



## Collaborative teaching

You will be taught by us at the **Department of Biological Sciences** and the **Medical Sciences Cluster at Yong Loo Lin School of Medicine** – which includes the Departments of Anatomy, Biochemistry, Microbiology & Immunology, Pharmacology and Physiology. That's six departments supporting your learning.



## Solid start

Have global aspirations? There's our **Joint Degree Programme with the University of Dundee**. Interested in becoming a vet? You might want to look at our **Concurrent Degree Programme with The University of Melbourne** – where you can enter the Doctor of Veterinary Medicine programme directly after 2.5 years at NUS.



## Diverse specialities

Take your pick of specialisations – **Biomedical Science**, or **Ecology, Evolution and Biodiversity**. Oh, and if you happen to be interested in **Aquatic Ecology, Bioinformatics, Botany**, or **Forensic Science**, we offer Minors for those too.



## Career opportunities

Our graduates can be found in **diverse fields** such as agriculture and food safety, conservation and sustainability, genomics and proteomics, biotechnology and biomedical engineering, medical diagnostics, drugs and pharmaceuticals, amongst others.





# Academic Programmes



## Primary Major in Life Sciences

### Specialisation in

- Biomedical Science
- Ecology, Evolution and Biodiversity



## Second Major in Life Sciences



### Minor in

- Life Sciences
- Aquatic Ecology
- Bioinformatics
- Botany
- Forensic Science

# Research Opportunities

Research is an integral part of the curriculum. You can choose to complete a semester-long **Undergraduate Research Opportunities Programme in Science (UROPS)** or a year-long **Research Project in Life Sciences**.

Our research areas include:

- biomedical science
- biophysical science
- cell, molecular and developmental biology
- ecology and biodiversity
- evolution and behaviour
- plant science





***"Our novel way of detecting cancer from microRNA (miRNA) was found in the labs here – but my most important discoveries were the people, purpose and perseverance ignited by my years at NUS."***

– **Dr Zhou Lihan**, Co-Founder and CEO, MiRXES Pte Ltd  
BSc (Hons) in Life Sciences (2007);  
PhD in Biochemistry (2012)

***"My NUS Science education has trained my mind to be inquisitive, enabling me to dig deep into concepts, questions, experiments and push boundaries to create new and better products for consumers."***

– **Tan Peck Ying**, Co-Founder, Blood  
BSc in Life Sciences (2011)





# Admission Requirements

Programme	Admission Requirements
Primary Major in Life Sciences	Good H2 passes (or equivalent) in Biology and Chemistry
Primary Major in Life Sciences with <ul style="list-style-type: none"> <li>• Specialisation in Biomedical Science</li> <li>• Specialisation in Ecology, Evolution and Biodiversity</li> </ul>	
Second Major in Life Sciences	
Minor in Life Sciences	A good H2 pass (or equivalent) in Biology
Minor in Aquatic Ecology (Students in the Bachelor of Environmental Studies programme are precluded from reading this Minor)	Open to students from all disciplines
Minor in Bioinformatics	
Minor in Botany	
Minor in Forensic Science	A good pass in gateway course FSC2101 Forensic Science

For applicants without passes in H2 Biology and/or Chemistry, simply read the bridging courses LSM1301 General Biology and/or CM1417/CM1417X Fundamentals of Chemistry to meet the admission requirements. (LSM1301 is only applicable for Major/Second Major/Minor in Life Sciences and Minor in Aquatic Ecology/Bioinformatics/Botany. CM1417/CM1417X is only applicable for Major in Life Sciences.)

## Department of Biological Sciences

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