

# Life Sciences Major

For students in the Class of 2022-2024

## **Gateway Courses (Select three)**

YSC2216 Evolutionary Biology
YSC2233 Genetics
YSC3241 Introduction to Systems and Computational Biology
YSC3233 Cell Biology
YSC3257 Molecular Biology



### Methods Course (One Required)

YSC2202 Biology Laboratory YSC3235 Field Research



### **Elective Courses (Select four)**

At least two Life Sciences courses must be at level 3000 or higher and at least one at 4000 level

YSC3253 Coral Reefs and Environmental Change
YSC2247 Ecology & Ecosystems
YSC2231 Foundations of Neuroscience
YSC2234 Human Biology
YSC2236 Microbiomes
YSC2241 Plant Biology
YSC3235 Animal Behaviour
YSC3214 Biochemistry

YSC3251 Conservation Biology YSC3238 Developmental Biology

YSC4211A Advanced Topics: Molecular, Cell Biology: Heredity and Epigenetics YSC4211B Advanced Topics: Molecular, Cell and Developmental Biology: Immunology YSC4229 Advanced Topics in Molecular Neuroscience



### Advanced and Capstone Courses (Required)

YSC3215 Research Seminar YSC4102 Life Sciences Capstone Project

Introductory Courses 0
Gateway Courses 15
Methods Course 5
Elective Courses 19-20
Advanced Courses 15
Total 54-55