Introducing the Life Sciences Program
Pursuing your diverse interests while building fundamental skills
What skills do you need?

- Application of knowledge
- Communication
- Research
- Knowledge translation
Research Skills

Life Science 2A03: Research Methods in Life Sciences

Life Science 2L03: Living systems Lab

3rd/4th year: (3 units) Program-based lab course
Life Science 2A03
Research Methodologies

The Life and Death of Cells: Stem Cells to Cell death

Image Credit: Howard Hughes Medical Institute
Life Science 2L03
Living Systems Lab

Translation of basic research to human applications

Theme: Aging
Communication

Life Science 2AA3: 
Topics in Life Sciences

3rd/4th year: (6 units)  
Communication intensive courses
Applying Your Knowledge

6 units

Experiential placements

Research

Co-op
Knowledge Translation

4th year seminars (3 units)
Reflection

Learning Portfolios
# HONOURS LIFE SCIENCES PROGRAM

## LEVEL I - 30 Units

See Admission Requirements

## LEVEL II - IV PROGRAM REQUIREMENTS - 90 Units

### 9 units from
- LIFESCI 2A03 - Research Methods in Life Sciences
- LIFESCI 2AA3 – Introduction to Topics in Life Sciences
- LIFESCI 2L03 – Living Systems Laboratory

### 3 units from
- STATS 2B03 – Statistical Methods for Science

### 3 units from
- BIOLOGY 2C03 - Genetics
- LIFESCI 2G03 – Genes, Genomes and Society

### 6 units from
- CHEM 3BC3 – Bad Chemistry
- LIFESCI 3A03 - Health and Disease
- LIFESCI 3AA3 – Human Pathophysiology
- LIFESCI 3BB3 – Neurobiology of Disease
- LIFESCI 3CD3 - Behavioural and Evolutionary Ecology
- LIFESCI 3DD3 - Environment and Global Sustainability
- LIFESCI 3EM3 - Cellular Dynamics

### 24 units from
- The Life Sciences Course List and must include at least six units from
- LIFESCI 3EP3, 3RP3, 3XX3, 3YY3, 4A03, 4B03, 4C03
- 4D03, 4E03, 4F03, 4G03, 4H03
- 4I03, 4J03, 4K03, 4L03, 4M03
- 4N03, 4O03, 4P03, 4Q03, 4R03, 4S03

### 39 units from
- Electives

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**LIFE SCIENCES COURSE LIST**

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* All Levels II, III, IV courses for which the prerequisites have been met are acceptable.
Want More Information? Contact our Program Advisor LSP@mcmaster.ca