Welcome to
SCIENCE CO-OP
INFO SESSION
YOUR SCIENCE CO-OP TEAM

Program Assistant
Ela Kotula

Program Assistant
Jan Stoyko (she/her)

Program Assistant
Irene Golembioski
Agenda

- What is Science Co-op
- Current programs
- How does it work
- Requirements
- Application process
- Fall term workshops
- Student presentations
- Q&A
SCIENCE CO-OP

A professional development program that provides well-rounded education enriched by the practical application of academic theories.

A mutually-beneficial partnership between the University, employers and job-ready Co-op students.
<table>
<thead>
<tr>
<th>COMPUTATIONAL SCIENCES (Ivy)</th>
<th>COMPUTER SCIENCE (Lisa)</th>
<th>LIFE AND PHYSICAL SCIENCES (Riya)</th>
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</thead>
<tbody>
<tr>
<td>• Joint Computer Science – Mathematics / Physics and Astronomy / Statistics</td>
<td>• Computer Science, Major &amp; Honours</td>
<td>• Biochemistry, Major &amp; Honours</td>
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<tr>
<td>• Mathematics, Major &amp; Honours</td>
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<td>• Biological Sciences, Major &amp; Honours</td>
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<td>• Statistics, Major &amp; Honours</td>
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<td>• Chemistry, Major &amp; Honours</td>
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<td>• Data Science (Fall 2021)</td>
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<td>• Genetics, Major &amp; Honours</td>
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<td>• Microbiology, Major &amp; Honours</td>
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<td>• Physics and Astronomy, Major &amp; Honours</td>
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<td>• Psychology, Major</td>
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Co-op students complete three 4-month work terms in their undergrad in various employment settings:

- Private industry
- Academic research and lab
- Government research, lab, office
- Field work setting
Co-op opportunities exist around the globe.

*Travel advisories are adhered to.*
<table>
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<tr>
<th>Organization</th>
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<tr>
<td>Agriculture and Agri-Food Canada</td>
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<tr>
<td>Canadian Food Inspection Agency</td>
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<td>Canadian Grain Commission</td>
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<tr>
<td>Canada Revenue Agency</td>
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<tr>
<td>Fisheries and Oceans Canada</td>
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<td>National Microbiology Laboratory</td>
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<td>Statistics Canada</td>
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FACULTY OF SCIENCE UNDERGRADUATE STUDENT RESEARCH AWARDS (USRAS)

NSERC and NSERC Indigenous

Minimum Value of $8,000. NSERC provides $6,000 and the remainder (at least $3,200*) will be provided by the Faculty of Science Dean’s office and the supervisor. 38000.00 ($500 [FoS] + $1500 [researcher] + $6000 [NSERC]).

Researchers can increase their contribution beyond the minimum, especially when supporting senior, experienced trainees.

*The supervisor’s portion can be from an NSERC grant or any of their other research grants. However, the supervisor of a student holding an NSERC award must hold an active NSERC research grant.

Faculty of Science

Minimum Value of $6,750. The Faculty of Science Dean’s office provides $4,500 and the remainder (at least $2,250*) will be provided by the Department and the supervisor. $6750.00 ($4500 [FoS] + $1750 [researcher] + $500 [department])

The Jack Prior Memorial Undergraduate Summer Research Prize

Minimum value of $6,750. The donor funds $5000.00 $6750.00 ($5000 [donor] + $1,750 [researcher])

*This award is based largely on leadership/volunteer experience. You must explain your involvement in such activities when completing the application.

H.D. Gesser Undergraduate Summer Research Prize in Chemistry

Minimum value of $6,750. The donor funds $4,500 $6750.00 ($4500 [donor] + $1750 [researcher] + $500 [department])

*Students registered in Biochemistry are eligible to apply for the H.D. Gesser
Students alternate between co-op and academic terms in their 3rd – 5th year.

By graduation, students have 12 months of work experience with as many as three different employers.

Each work term spans for a minimum of 12 weeks to maximum of 16 weeks.

Positions are paid, full-time.
Typical Co-op Schedule
Computer Science Major and Honours

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<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Winter</th>
<th>Summer</th>
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</thead>
<tbody>
<tr>
<td>Year 3</td>
<td>Academic Term (and Co-op prep)</td>
<td>Work Term 1</td>
<td>Academic Term</td>
</tr>
<tr>
<td>Year 4</td>
<td>Work Term 2</td>
<td>Academic Term</td>
<td>Work Term 3</td>
</tr>
<tr>
<td>Year 5</td>
<td>Academic Term</td>
<td>Graduate</td>
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You will graduate later (by twelve months), however we think the benefits are worth it....and so will you!
Typical Co-op Schedule
Computer Science Major and Honours – International Students

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<td></td>
<td>(and Co-op prep)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year 4</td>
<td>Work Term 2</td>
<td>Academic Term</td>
<td>Work Term 3</td>
</tr>
<tr>
<td></td>
<td>(or Academic Term)</td>
<td>(or Work Term 2)</td>
<td></td>
</tr>
<tr>
<td>Year 5</td>
<td>Academic Term</td>
<td>Academic Term</td>
<td>Graduate</td>
</tr>
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The Co-op Schedule for International Students will have more flexibility to suit individual circumstances.

**Work Term 1 must be deferred to the Summer following acceptance, due to the time required to process the Co-op Work Permit.**

8-month Co-op placements are an option, and in some cases may be required. It’s up to each student to plan a schedule that will work for them.
# Typical Co-op Schedule

**Computer Science Joint Honours – Mathematics / Physics / Statistics**

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<tr>
<td>Year 2</td>
<td><strong>Academic Term</strong> (and Co-op prep)</td>
<td><strong>Work Term 1</strong></td>
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</tr>
<tr>
<td>Year 3</td>
<td><strong>Academic Term</strong></td>
<td><strong>Academic Term</strong></td>
<td><strong>Work Term 2</strong></td>
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<tr>
<td>Year 4</td>
<td><strong>Academic Term</strong></td>
<td><strong>Academic Term</strong></td>
<td><strong>Work Term 3</strong></td>
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*See the Co-op Office in December of 2nd year*
Registration for upcoming year

- Make it a priority to register for courses in July, otherwise you might be disappointed

- You are required to be a full-time student, minimum of 3 courses every term while in the Co-op program – including Summer!

- Important courses for Fall: COMP 3380 and 3370

- **Register for winter term as well**, if you are accepted into Co-op and secure a position, we will have you removed from courses and registered in the work term
Other Situations

• Second degree?
• Transfer from another program or faculty?

Don’t make any assumptions, contact and speak with the Science Co-op Coordinator.
Students pay a certain co-op course fee for each work term.

There is no bearing on credit hours.

Co-op work terms are graded as Pass/Fail.
HOW TO POSITION YOURSELF FOR CO-OP

Build work and volunteer experience
Get involved / Participate
Apply yourself to your studies

Academic Requirements

• Minimum GPA - your GPA is important, but it’s not everything.
  • 2.50 Major
  • 3.00 Honours

• Complete majority, if not all, of your 1st and 2nd year required courses in your program by December 2021

• Should be between 54-90 Credit Hours by December 2021

• For course lists, refer to the UM Calendar. You may also visit our website: https://sci.umanitoba.ca/co-op/prospective-students/application-deadlines/science-student-application-process/
Not meeting the requirements?

Feel free to contact and speak with the Science Co-op Coordinator.
CS intake form will be emailed to all students who signed up for the info session, and it will be posted on our social media on March 30th. We will start accepting the intake form on April 1st.
Complete by
April 30, 2021
Wait for application results / next steps via @myumanitoba e-mail.
Meet with Co-op staff for an interview.
If you meet the minimum requirements, you will be asked to complete the application form using your careerCONNECT account at uofmcareerservices.ca
Results will be announced by end of August.
PRE-EMPLOYMENT WORKSHOPS (Fall)

• Networking
• Independent Job Search
• Marketing Tools
• Effective Interview Skills
• Successful Workplace Transition & Performance
One-on-one Resume Critiques

Technical Practice Interview with Alumni / Industry Partners
Co-op Student Responsibilities

- Attendance at Co-op meetings and interviews
- Adherence to Co-op guidelines and deadlines
- Applying for Work Permit (International Students)
- Be proactive, professional and respectful in conduct and communication
- Once in Co-op, you must maintain full time student status, year round
- Uphold your academic standing
- Payment of work term fees
FAQ’s

- How do I get a Co-op job?
- Is there a fee to get into Co-op?
- What if I haven’t completed all of the required second year courses?
- Can I find my own job?
- If I don’t get accepted, can I apply again?
- What is the average co-op salary?
My Computer Science Co-op Experience
Nadege at TRIUMF in Vancouver! Using the web to make Science more accessible, she created a simulation of the detector that’s behind her here.
Chris and Liam developed SoilReader from the ground up. This new technology allows for precise analysis of multiple soil constituents in real time.
Co-op Students “livin’ the dream” at Ubisoft Winnipeg’s new studio!
My Computer Science Co-op Experience

James Froese
Mary Sukha
QUESTIONS?