



**Waterloo Catholic
District School Board**
Quality, Inclusive, Faith Based Education



UCEP
University Cooperative
Education Program

Land Acknowledgement

The schools in the Waterloo Catholic District School Board are situated on the Haldimand tract of land that is the traditional home of and the land cared for by the Haudenosaunee, Anishinaabe and Chonnonton. We acknowledge the enduring presence and deep traditional knowledge, laws and philosophies of the Indigenous Peoples with whom we share this land today.

We seek a new relationship with the Original People of this land, one based on honour and deep respect. We are grateful for the opportunity to learn here and reaffirm our collective commitment to make the promise and the challenge of Truth and Reconciliation real in our community.



**God of Light and Wisdom,
thank you for giving me
a mind that can know
and a heart that can love.**

**Help me to keep learning every day of my life—
no matter what the subject may be.
Let me be convinced that all knowledge leads to you
and let me know how to find you and love you
in all the things you have made.**

**Encourage me when the studies are difficult
and when I am tempted to give up
Enlighten me when my brain is slow
and help me to grasp the truth held out to me.**

**Grant me the grace to put my knowledge to use
in building the kingdom of God on earth
so that I may enter the kingdom of God in heaven.
Amen.**

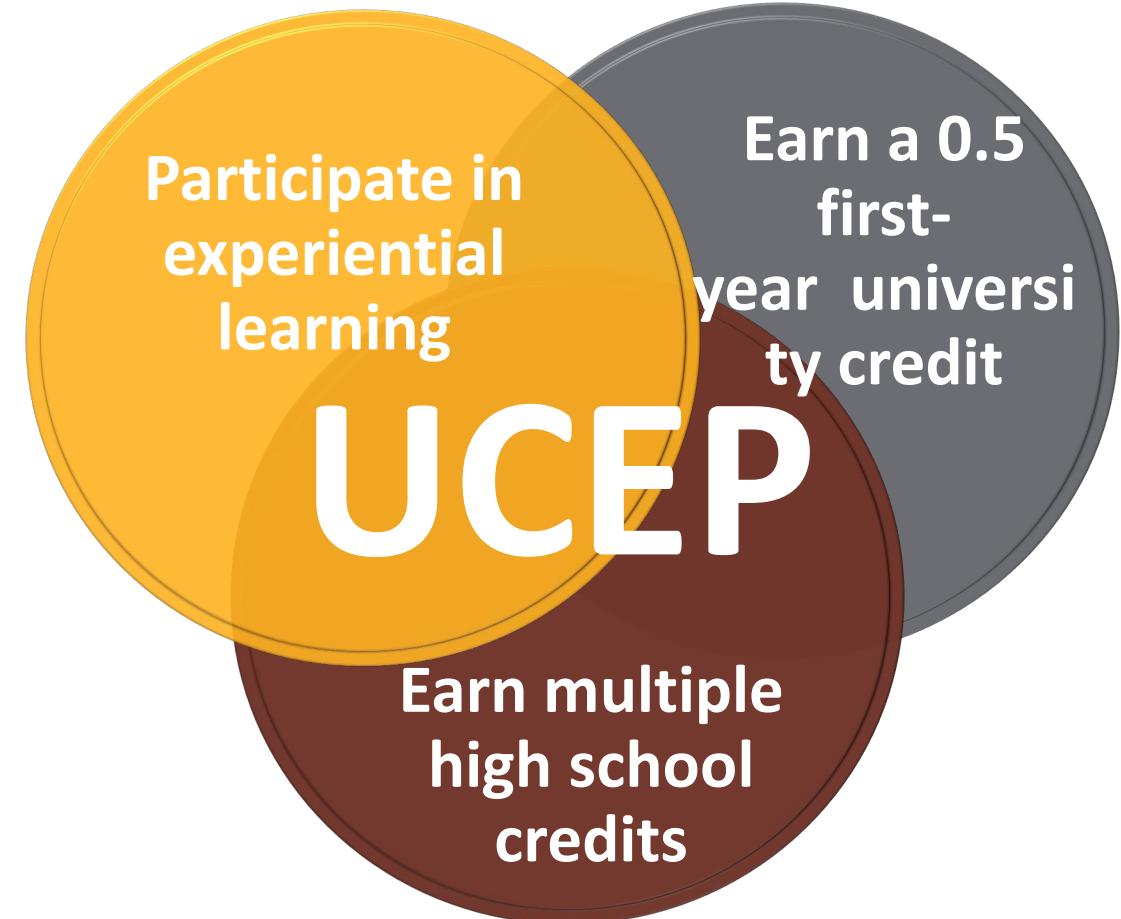


After this presentation we hope you can:

- Define UCEP and **identify the three components** that are a part of the program
- Recognize the **academic traits** and learning skills required for your child to include UCEP as part of their Pathway Plan
- Understand how your child can initiate a **Pathway Plan Update** in consultation with their guidance counselor to select the courses that best allow them to achieve their own goals

What is UCEP?

- UCEP is a **specialized co-op program** for Grade 12, or 5th year students with an **80% + average** whose well-established post-secondary Pathway Plan **includes university**



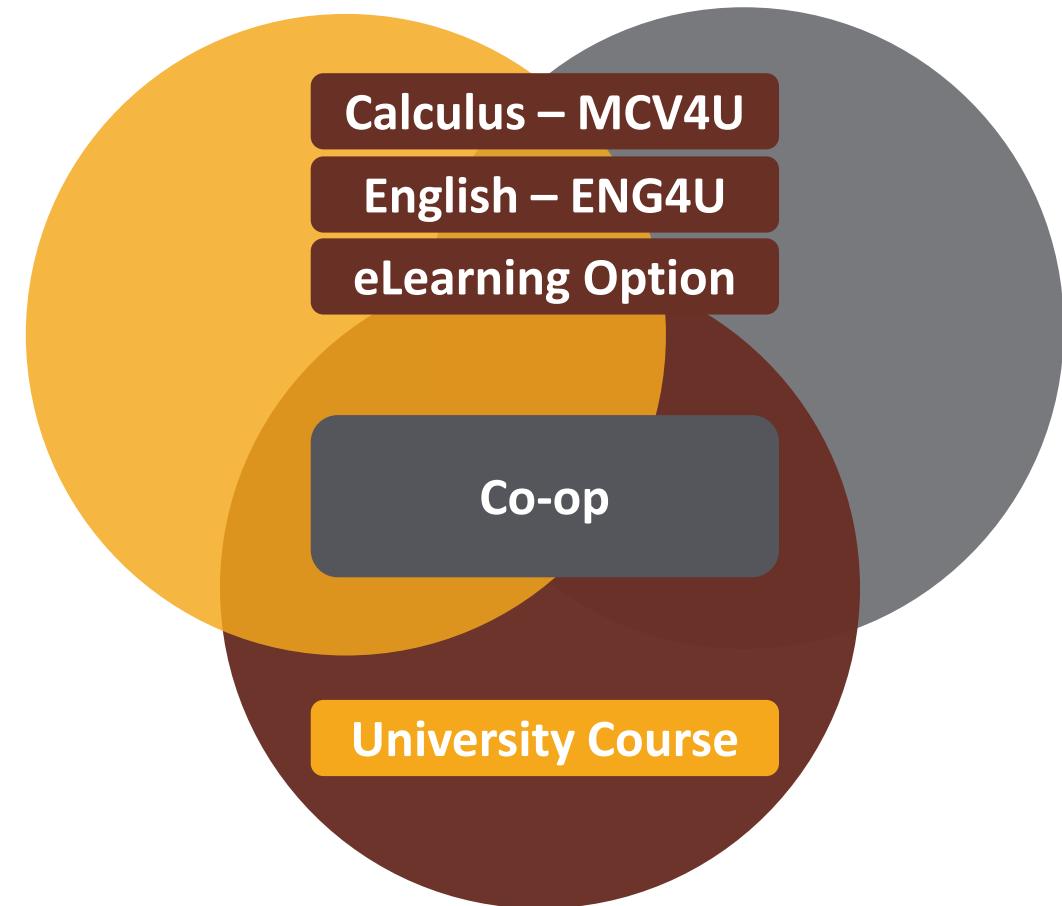


UCEP Facts:

- Students spend **all day during their 1st semester on the university campus**
- Students are **responsible for their own transportation** to and from the university on a daily basis
- The schedule of a UCEP student is **anything but traditional** and therefore time management and self-discipline are essential for entry and on-going success

While in UCEP, students will ...

- Take either **one or two Grade 12 (academic) courses**. Courses offered in person are MCV4U and ENG4U.
- Participate in a **co-op placement** and earn two co-op credits.
 - Co-op credits **cannot be used for university application** and therefore are not considered part of your six “U” or “M” level courses.
- Take a **first-year university course**.





Coop Sectors

Arts/Humanities

Engineering

Business

Science

Psychology

NEUROPSYCHOLOGY AT LAURIER



HISTOLOGY & THE CRYOSTAT



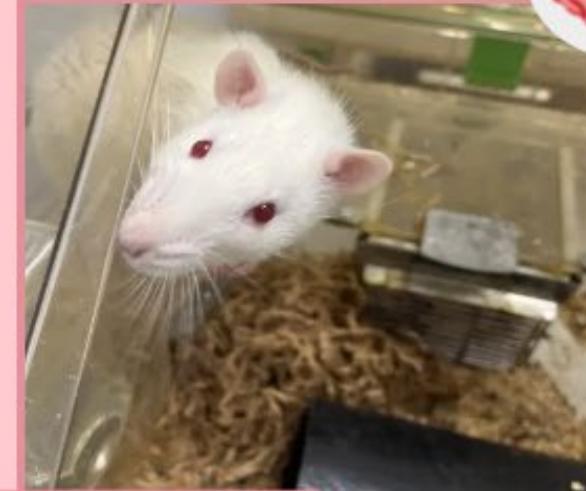
- Prepare rats for experiments
- Extract brains from rats
- Section brain tissue
- Prepare tissue slides
- Attend lab meetings

TAKEAWAYS

- Working through unexpected challenges
- Asking for help
- Try and try again

CHALLENGES

- Destroying brain tissue
- Assembling the cryostat
- Escapist rats



RAT SOCIALIZATION



Annotated Bibliography

Al Qutaini, Ahmed, Akmaral Bekbossynov, Gloria Gerhardt, Medhavi Hassija, Josephine Hebling, Sharif Kazemi, Zhengzhou (Steve) Li, Liv Newkirk, and Amy Utomo. "A Framework for National Dialogues on Frontier Technologies: Background Report." UNDP. UNDP, July 30, 2024. <https://acrobat.adobe.com/id/urn:aid:sc:AP:8d98e4df-5985-4f7a-92c3-8d62a6c09179>.

This rep **CREATING ANNOTATED BIBLIOGRAPHIES** : technological

RESEARCH ASSISTANT



- **Aided with Dr. Thompson's research on Technology Governance:**

- Artificial Intelligence
- Digital Public Infrastructure
- Privacy Concerns



- **Compiled relevant reports from and created annotated bibliographies for:**

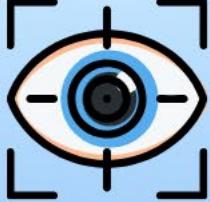
- UN Development Programme
- UN OCHA
- UN Special Procedures
- OECD



- **Attended events at the school**

- Presentations about Global Governance
- Networking opportunities





Visuomotor Neuroscience Lab

Elyze Ruchty



EYE TRACKER



LIT REVIEW TOPIC

Applied Health Sciences Expansion



Dr. Ewa Niechwiej-Szwedo

PhD Students: Xiaoxin Chen, Sanduni Costa

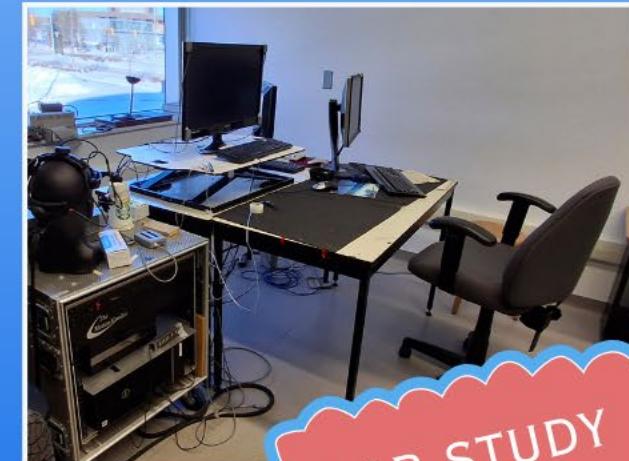
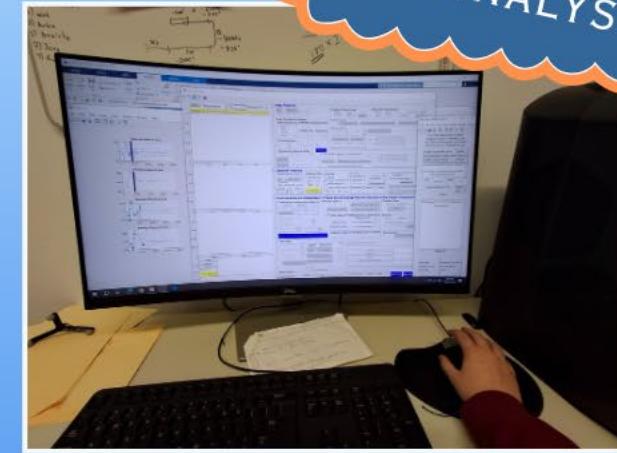
Lab Study/Data Collection using Eye-Tracker while subjects performed fine motor skill



Analyzed data (position-time, velocity-time, and grip aperature graphs) on the computer program MATLAB and furthered proficiency in Excel



Conducted Research regarding how eye-tracking (Flight Simulators) can be used to assess the gaze behaviour of pilots and its relation to their skill proficiency



LAB STUDY



WATi MAKE



We built this safety glass holder



The lab



We modified the frames of RC goose vehicles



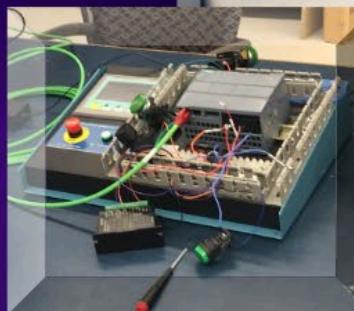
Keepsakes I made



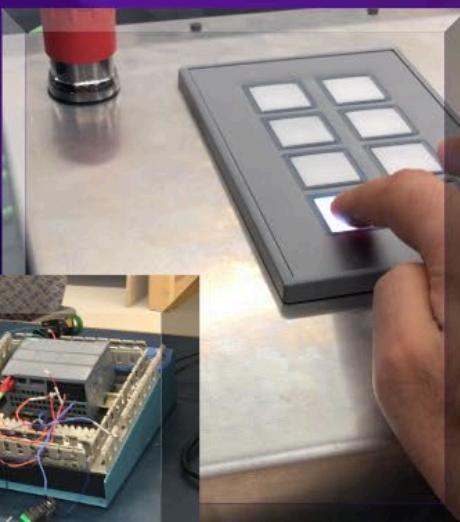
We assembled a new mechatronics lab in E7



We installed a new resin printer



We programmed the key panel on this PLC



University Course Offerings:



→ **Psychology –**
PSYCH 101

→ **Microeconomics –**
ECON 101

- Registered as a part-time university student
- Responsible for paying tuition costs for the course approximately \$800
- Regular first-year university course
 - Not a transition course designed for high school students
 - All instruction and evaluation will be completed by university staff, not high school staff

Sample Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30	MCV4UI	MCV4UI	MCV4UI	MCV4UI	MCV4UI
9:00					
9:30					
10:00	ENG4U	PSYCH	Coop	ENG4U	PSYCH
11:00					
11:30					
12:00	Coop Class		Coop		Coop
12:30					
1:00	ECON	Coop		ECON	
1:30					
2:00					
2:30					
3:00					
3:30					
4:00	<i>Note – students are responsible for completing a minimum of 10-12 hours of co-op each week</i>				

How UCEP Benefits Students

Some of the most **common areas of growth** (as acknowledged by the students):

- Grit / Perseverance
- Increased confidence
- Improved time management





UCEP is the **perfect transition program** to help your child complete the requirements for graduation and simultaneously provide them with a **university experience**.



How to Plan Your Courses for UCEP

To apply to university, you need to have graduated from high school with 30 credits.

Six of these must be “U” or “M” level grade 12 courses.

During their 4th year of high school, many students elect to take 3 courses during their first semester and 3 courses during their second semester – thereby creating space in each semester for other options.

4th Year Semester 1	4th Year Semester 2
Grade 12 U or M Level course	Grade 12 U or M Level course
Grade 12 U or M Level course	Grade 12 U or M Level course
Grade 12 U or M Level course	Grade 12 U or M Level course

The difficulty with this path for UCEP is that you must then take four 12 U or M courses second semester.

Taking four Grade 12 U or M courses during semester two is possible but could present a heavy workload for many students.

4 th Year Semester 1	4 th Year Semester 2
Grade 12 U or M Level course	Grade 12 U or M Level course
Grade 12 U or M Level course	Grade 12 U or M Level course
Co-op	Grade 12 U or M Level course
University Course	Grade 12 U or M Level course

Preferred Pathway Plan for students interested in UCEP

3 rd Year Semester 2	4 th Year Semester 1	4 th Year Semester 2
Grade 11 U or M Level course	Grade 12 U or M Level course	Grade 12 U or M Level course
Grade 11 U or M Level course	Grade 12 U or M Level course	Grade 12 U or M Level course
Grade 11 U or M Level course	Co-op	Grade 12 U or M Level course
Grade 12 U or M Level course	University Course	Option Spare or Course



Advanced Functions (MHF4U) for STEM students OR
Social Science/Business course for Art-based students

Some students choose to take UCEP in a 5th year

4 th Year Semester 1	4 th Year Semester 2	5 th Year Semester 1
		Grade 12 U or M Level course

5th year UCEP participants will often only take one grade 12 U or M course

How to Apply to UCEP (4th/5th year)

- Select “UCEP” in **myBlueprint (January)** and submit:
 - Cooperative Education Application Form
 - Two Teacher references
- UCEP applicants usually have an **80% plus average**
- All applicants **will be added to a D2L classroom by the end of April**
 - Applicants will submit a resume for consideration to the program
 - Mid to late May = virtual meetings & interviews will occur



Speak with your
Guidance Counsellor to
create the right Pathway
Plan for you!

or visit:

<https://el.wcdsb.ca/programs/ucep/>



QUESTIONS?



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