



Amit Chakma
Engineering Building

Western Engineering **FIRST YEAR GUIDE**

2024/2025

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IMPORTANT DATES

Note: please review Western's Academic Calendar (westerncalendar.uwo.ca) for all Sessional Dates.

2024

September 5

Fall/Winter Term classes begin

September 13

Last day to add a full course, a first-term half course, a first-term full course, or a full-year half course on campus and Distance Studies

October 12 - 20

Fall Reading Week

December 2

Last day to withdraw from a first-term half course or a full course without academic penalty

December 6

Classes end

December 7-8

Study Days

December 9 - 22

Mid-year examination period

2025

January 6

Classes resume.

January 14

Last day to add or drop a second-term half course or a second-term full course

February 15 - 23

Spring Reading Week

March 31

Last day to withdraw from a second-term half course or a second-term full course without academic penalty

April 4

Fall/Winter Term classes end

April 5 - 6

Study Days

April 7 - 30

Final examination period

DEAN'S WELCOME

To all the new students joining Western Engineering for the start of the 2023-24 academic year: welcome! You are just starting out on an amazing journey. Your opportunities are boundless, I encourage you to embrace them.

Embarking on an Engineering program is exciting, it will also be challenging and sometimes it will be really hard, but we are here to help you. We will support you with any problems, concerns, or challenges you may have. The Undergraduate Services Office (Spencer Engineering Building Room 2097) is always the best place to start no matter what the question. If you don't know, ask.

I want you to feel very comfortable walking in or calling our office and asking questions. The faculty and staff are friendly, and our goal is to make your Western Engineering experience a fulfilling and successful one. Your wellness is paramount. Our undergraduate team offer both academic and wellness support throughout your entire engineering journey.

The heart of engineering is solving global societal challenges. Our faculty are world-renowned researchers and teachers. Our low student-to-faculty ratio means more mentoring and research opportunities to allow us to offer our students personalized education. Our state-of-the-art facilities combined, allow for a student experience that is focused on experiential learning, while grounded in foundational skills and tempered with real-world knowledge, to shape you -- our students, to be the change makers of tomorrow.



Therefore, in the words attributed to Mahatma Gandhi, I invite you “to be the change you want to see in the world.” Become the thought leader, the changemaker, the influencer and transform the world. Your journey awaits you at Western Engineering.

Ken Coley

Dean, Faculty of Engineering



FACULTY DAY SCHEDULE

Wednesday September 4, 2024	9:55am-10:35am	Welcome & Short Talks	SEB 1059, 1200, 2100, 2200
	12:00pm-1:00pm	Lunch	Health Sci Fields
	Rotation 1: 10:00am-12:00pm and Rotation 2: 1:00pm – 2:15pm	Rotations: <ul style="list-style-type: none"> • Engineering Shops • Clubs & Teams • Career Services • Design ES1050 • UES • First Year Build • Dual Degrees 	Various: Courtyard, ACEB + CMLP Atrium, ACEB 1440, 1415, 1420, 1405
	2:15pm – 4:00pm	Surprise Event – An Engineering Tradition	Beside Football Field

ADDITIONAL FACULTY OWEEK EVENTS

Wednesday September 4	10:00pm - 12:30pm	Video Game and Ice-cream Truck	TEB loading dock
Thursday September 5	12:30pm - 1:30pm	Fire Truck Pull	Oxford Drive
Thursday September 5	10:00pm - 12:00pm	Tri Sci + Eng Dance	Main Stage
Friday September 6	10:00pm - 1:00am	Eng Karaoke	The Wave

ENGINEERING UNDERGRADUATE SERVICES - ACADEMIC ADVISING

Welcome to Western Engineering! The Undergraduate Services office is here to support you throughout your academic journey. Our team is available to provide support and can help answer your questions about your Western experience, student life & wellness, your program and courses, progression, policies and more! Have a question and not sure who to talk to? Come see us and we would be happy to help!

Our Office

Undergraduate Services

Spencer Engineering Building, Room 2097

Email: engugrad@uwo.ca

eng.uwo.ca/undergraduate

Office Hours

Monday to Friday – 9:30 a.m. - 4:00 p.m.

Contact Us:

Tel: 519-661-2130

Web: [ContactWE Form](#)

Manager, Undergraduate Services

Nicole Sansone (nicole.sansone@uwo.ca)

First Year Academic Advisors

Karen Murray (kmurra3@uwo.ca)

Alex Bannon (abannon4@uwo.ca)

Academic Advising Coordinators

Aksash Yadav (ayadav54@uwo.ca)

Monique Lewis (mlewi3@uwo.ca)

Student Wellness Counsellor

Sara Hanna (sara.hanna@uwo.ca)

<https://www.eng.uwo.ca/undergraduate/Engineering-Student-Wellness/Wellness-Counsellor.html>

FACULTY COUNCIL WELCOME

UNDERGRADUATE ENGINEERING SOCIETY (UES)

The Undergraduate Engineering Society is the student government of Western Engineering. We offer events and services of all kinds, from academic info sessions to social events like Engineering Formal. The UES comprises every single undergraduate student in engineering at Western. We run the Lounge in the Spencer Engineering Building (SEB 1001). You'll hear people call it the UES, but don't be confused: YOU are the UES. We hope you'll visit our little room and get involved with the great faculty you've chosen.

Positions on the UES consists of its President, its Vice-Presidents, Year Representatives and Commissioners. Everything from merchandise to our website is covered by one of these positions. The people in this society exist to serve YOU, the undergrads. There are even four First-Year Representative positions just for Frosh! We're here to make university life more interesting, more memorable and maybe even a little easier on you. If you ever have a problem, please come see one of us.

Engineering is challenging and the next few years will likely have their tough moments, but those will be outnumbered by some of the best times of your life. From your first day of OWeek until you graduate and get your Iron Ring, the UES will be there to help you and one thing is for sure:

You will leave with nothing but the best friends and memories that will last your lifetime.

YOUR ENGINEERING STUDENT EXPERIENCE STARTS WITH YOU.

Contact Details

Instagram: [@westernues](#)

Facebook: [Western UES](#)

Website: [westernues.com](#)



FACULTY SOPH TEAM WELCOME

Greetings, and Welcome! We are the Western Engineering Soph Team Execs and we are so excited to meet you and welcome you into this wonderful program! We are responsible for the Engineering O-Week related activities that you will be seeing and partaking in. We are here to get you excited to be a part of Western Engineering, introduce you to new people and ways to get involved, and provide you with any resources that will help you during your time here. We will be wearing covies and orange shirts, come say hi!

Jessica Kerr (Head Soph)

Amaan Khan (Programming Assistant)

Claire McGuigan (Programming Assistant)

Quinn Cameron (Programming Assistant)

Follow us! [@eng.sophs](https://www.instagram.com/eng.sophs)



CAREER SERVICES

The Career Services team extends a warm welcome to you, our incoming students!

The team supports the Faculty of Engineering in its goal of providing the best student experience through experiential learning opportunities and career preparation support. You can participate in our Co-op programs where you will gain hands-on experience prior to graduating, ensuring a seamless transition from student life into your professional career.

As a first-year engineering student, you have the option of applying to participate in the Summer Co-op program to work the first summer after finishing your first year of studies. You can also apply for the Summer Co-op program every academic year before your final year of study. Undergraduate students also can take part in a Long-Term Co-op program which is only available for registration beginning in year 3, and up until the start of your final academic year. After completing a minimum of three co-op work terms students are eligible to graduate with a co-op designation on their degree.

You do not need to be registered into a co-op program to access our services as we will engage you in self-discovery and assist you with career planning, exploration, and development to help meet your career goals.

Our team offers one-to-one virtual or in-person career appointments where you can get support for resume & cover letter building, interview skills, job search advice, and career exploration. We also host a wide variety of career-focused workshops and employer events throughout the academic year. Be sure to review our weekly career services email and visit the Western Connect events tab to see all upcoming events.

We are excited to meet you and look forward to supporting you with your career goals during your time here at Western Engineering!

Location

Spencer Engineering Building,
Room 2092

Telephone

519-661-2111 x88359

Email

wecareer@uwo.ca



COURSE INFORMATION

Note: please review Western's Academic Calendar (westerncalendar.uwo.ca) for further details on course information.

Course Dictionary

Antirequisite	Courses that overlap sufficiently in course content that both cannot be taken for credit.
Prerequisite	Courses that must be completed prior to enrollment in more advanced course.
Corequisite	Courses that must be completed concurrently with another course.
Blended Course	Fusion of face-to face and online learning activities.
Distance Studies	Course offered only online.

First Year Engineering Course List

NMM 1411A/B	Linear Algebra with Numerical Analysis for Engineers
NMM 1412A	Calculus for Engineers I
NMM 1414B	Calculus for Engineers II
BUS 1299E	Business for Engineers
CHEM 1302A/B	Chemistry for Engineers
ES 1021A/B	Properties of Materials in Engineering
ES 1022Y	Engineering Statics
ES 1036A/B	Programming Fundamentals for Engineers
ES 1050	Foundations of Engineering Practice
PHYS 1401A/B	Physics for Engineering Students I
PHYS 1402A/B	Physics for Engineering Students II

Notes

1. Western Engineering will auto-enroll you in your timetable. You should see your personalized timetable in your student Center account mid to late August (remove mid July) – No changes are permitted.
2. If you have International Baccalaureate, Advanced Placement or transfer credits, please book an appointment with one of the first-year Academic Counsellors [here](#).
3. If you are a Varsity Athlete and need support with your schedule, please book an appointment with one of the first-year Academic Counsellors [here](#).

STUDENT EXPERIENCE SUPPORTS

The following free resources are available to you at any point during your time at Western.

ACADEMIC SUPPORT & ENGAGEMENT

- Accessible Education (accessibleeducation.uwo.ca)
 - » Achieve your potential through academic accommodation, technological assistance, and individual counselling.
- Learning Development & Success (learning.uwo.ca)
 - » Learn to become an effective learner and achieve your academic potential.
- Writing Support Centre (writing.uwo.ca)
 - » Discover opportunities to improve your writing skills.

CAREERS & EXPERIENCE

- Career Education (career.uwo.ca)
 - » Get advice to design a meaningful life and career.
- Employer Relations (connect.uwo.ca)
 - » Connect with employers looking to hire extraordinary talent.
- Experiential Learning (experience.uwo.ca)
 - » Gain experience both inside and outside the classroom.

TRANSITION, LEADERSHIP & ENRICHMENT

- Leadership & Academic Mentorship Program (lamp.uwo.ca)
 - » Get matched with an upper-year mentor for academic and social support.
- Learn to Lead (learntolead.uwo.ca)
 - » Learn skills to become an effective leader.
- Society of Off-Campus Students (socs.uwo.ca)
 - » Connect with a community of fellow students living off campus.
- Western Peer Leaders (peerleaders.uwo.ca)
 - » Learn about volunteer positions around campus.

SPORTS & RECREATION

- Campus Recreation (uwo.ca/campusrec)
 - » Access fitness & dance classes, aquatic centre, weight room, and intramurals.
- Mustang Athletics (westernmustangs.ca)
 - » All regular season games are free for students to attend!

WELLNESS AND WELLBEING

- Physical & Mental Health (health.uwo.ca)
 - » A free, appointment-based medical clinic to support all of your mental, physical, and sexual health needs.
- Gender-Based Violence & Survivor Support (survivorsupport.uwo.ca)
- Wellness & Equity Education (uwo.ca/health/wellness-equity-education)

Other Campus Resources

- Entrepreneurship (entrepreneurship.uwo.ca)
- Foot Patrol (uwo.ca/footpatrol)
- Housing & Residence (housing.uwo.ca)
- Indigenous Student Centre (indigenous.uwo.ca/students)
- International & Exchange Student Centre (iesc.uwo.ca)
- Office of the Ombudsperson (uwo.ca/ombuds)
- Office of the Registrar (registrar.uwo.ca)
 - » Includes Financial Aid
- Student Emergency Response Team (sert.uwo.ca)
- University Students' Council (westernusc.ca)
- Western Libraries (lib.uwo.ca)

STUDENT WELLNESS

Sara Hanna, B.S.W., M.S.W., R.S.W., is a Registered Social Worker with the OCSWSSW, and Western Engineering's Student Wellness Counsellor.

Sara sees students who are dealing with a wide range of issues that are getting on their way of having a successful experience at Western Engineering.

The services are offered in a confidential and non-judgmental atmosphere where you can feel comfortable exploring and discussing any topic, situation or concern you may have that are impacting your academics.

To book an appointment with Sara, please reach out to her at sara.hanna@uwo.ca.



London Crisis Centres and Crisis Resources

<u>Good2Talk</u>	Post-secondary Student Helpline 1 (866) 925-5454 Hours: 24/7
<u>Crisis Counselling at Thames Hall UWO</u>	Room 2170 Book a counselling appointment via phone: 519-661-3030 Hours: Monday - Thursday: 9:00 a.m. - 7:00 p.m. Friday: 9:00 a.m. - 5:00 p.m.
<u>Reach Out</u>	Crisis Response Service (519) 433-2023 or 1 (866) 933-2023 Hours: 24/7
<u>Anova</u>	Anova provides safe places, shelter, support, counselling, and resources for abused women and their children, to find a new start. 24 Hour Crisis and Support Line: (519) 642-3000 or 1 (800) 265-1576 24 hour support line for sex trade workers: (519) 439-0844
<u>CMHA Crisis Centre</u>	648 Huron St, London, ON N5Y 4J8 Hours: Open 24 hours Phone: (519) 434-9191
<u>St. Joseph's Sexual Assault and Domestic Violence Centre</u>	(519) 646-6100 ext. 64224 Hours: 24/7

WHAT I WISH I KNEW BEFORE YEAR 1...

ABOUT ACADEMICS

- Go to office hours as much as you can for your questions. It is basically free private tutoring.
- Go to class if you can. Stay up to date with course content and try not to fall behind. It'll make exam season a lot less stressful.
- Many of the Engineering clubs run review sessions ahead of exams in both December and April for specific courses.
- If you fail something, whether it is a test, an assignment, an exam, just know that it is not the end of the world, you are not the only one, and there are plenty of ways to get help.

ABOUT A SOCIAL LIFE

- Joining clubs is a great way to maintain a social life. I'd recommend sticking to one or two so you don't get overwhelmed.
- How to create a work life balance. It's easy to get caught up with school and forget that having a social life is also important.
- APPLY TO SOPH and get involved everywhere you can! Clubs, teams, UES, etc. - great way to make friends and discover what your passions are!
- **OWeek is the best time to meet people.**

BEST STUDY SPOTS ON CAMPUS

(ACCORDING TO YOUR SOPHS)

- “FIMS is underrated - they have secret rooms”
- “The desks upstairs of ACEB and the Law Library”
- “ACEB top floors”
- “UES is always fun, probably not the most efficient studying though”
- “Weldon Library”
- “Taylor Library”
- “Law Library”
- “Arts and Humanities classrooms”

BUILDING ABBREVIATIONS

3M	3M Centre
AFAR	Advanced Facility for Avian Research
SEB	Alexander Charles Spencer Engineering Building
TL	Allyn & Betty Taylor Library
AH	Alumni Hall
AHR	Alumni House Residence
ACEB	Amit Chakma Engineering Building
HSB	Arthur & Sonia Labatt Health Sciences Building
AHB	Arts & Humanities Building
AUHR	Ausable Hall Residence
BAHR	Bayfield Hall Residence
BHR	Beaver Hall Residence
BGG	Biological & Geological Greenhouses
B&GS	Biological & Geological Sciences Building
BIO	Biotron
BLWT	Boundary Layer Wind Tunnel
CYDC	Centre to Child & Youth Development Clinic (BMO)
CHB	Chemistry Building
CMLP	Claudette MacKay-Lassonde Pavilion
CB	Collip Medical Research Building
WL	D.B. Weldon Library
DHR	Delaware Hall Residence
DSB	Dental Sciences Building
CSB	Dr. Don Rix Clinical Skills Learning Building
EC	Elborn College
ELHR	Elgin Hall Residence
EO	Elginfield Observatory
ESW	Environmental Science Western Field Station
EHR	Essex Hall Residence
FNB	FIMS & Nursing Building
FPC	Fraunhofer Project Centre for Composites Research
GL	Gibbons Lodge

GSB	Graphic Services Building
HSA	Health Sciences Addition
ICFAR	Institute For Chemicals & Fuels from Alternative Resources
IRL	Insurance Research Lab For Better Homes
IGAB	International & Graduate Affairs Building
ISLC	Ivey Spencer Leadership Centre
FEB	John George Althouse Faculty of Education Building
VAC	John Labatt Visual Arts Centre
LB	Josephine Spencer Niblett Faculty of Law Building
KB	Kresge Building
LAHR	Lambton Hall Residence
WSC	Laurene O. Paterson (Western Science Centre)
LWH	Lawson Hall
LIDAR	Light Detection & Ranging Research Facility
LOHR	London Hall Residence
MSA	Material Sciences Addition
MG	McIntosh Gallery
MSB	Medical Sciences Building
MHR	Medway Hall Residence
MC	Middlesex College
MBL	Molecular Biology Laboratory
MOA	Museum of Ontario Archaeology
MB	Music Building
NSC	Natural Sciences Centre
NCB	North Campus Building
OHR	Ontario Hall Residence
PHR	Perth Hall Residence
PPL	Photoperiod Laboratory
PAB	Physics & Astronomy Building
PLE	Platts Lane Estates
PP	Power Plant
IVEY	Richard Ivey Building
RRI	Robarts Research Institute
SMHR	Saugeen-Maitland Hall Residence
SSC	Social Science Centre

Continued on next page

SH	Somerville House
STAB	Staging Building
STVH	Stevenson Hall
SSB	Support Services Building
SYHR	Sydenham Hall Residence
TC	Talbot College
TH	Thames Hall
COL	The Collider (Formerly Accelerator)
CO	The Cronyn Observatory
SDRI	"The Harold W. Siebens Centre Siebens-Drake Medical Research Institute"
TEB	Thompson Engineering Building
TRAC	Thompson Recreation & Athletic Centre
UC	University College

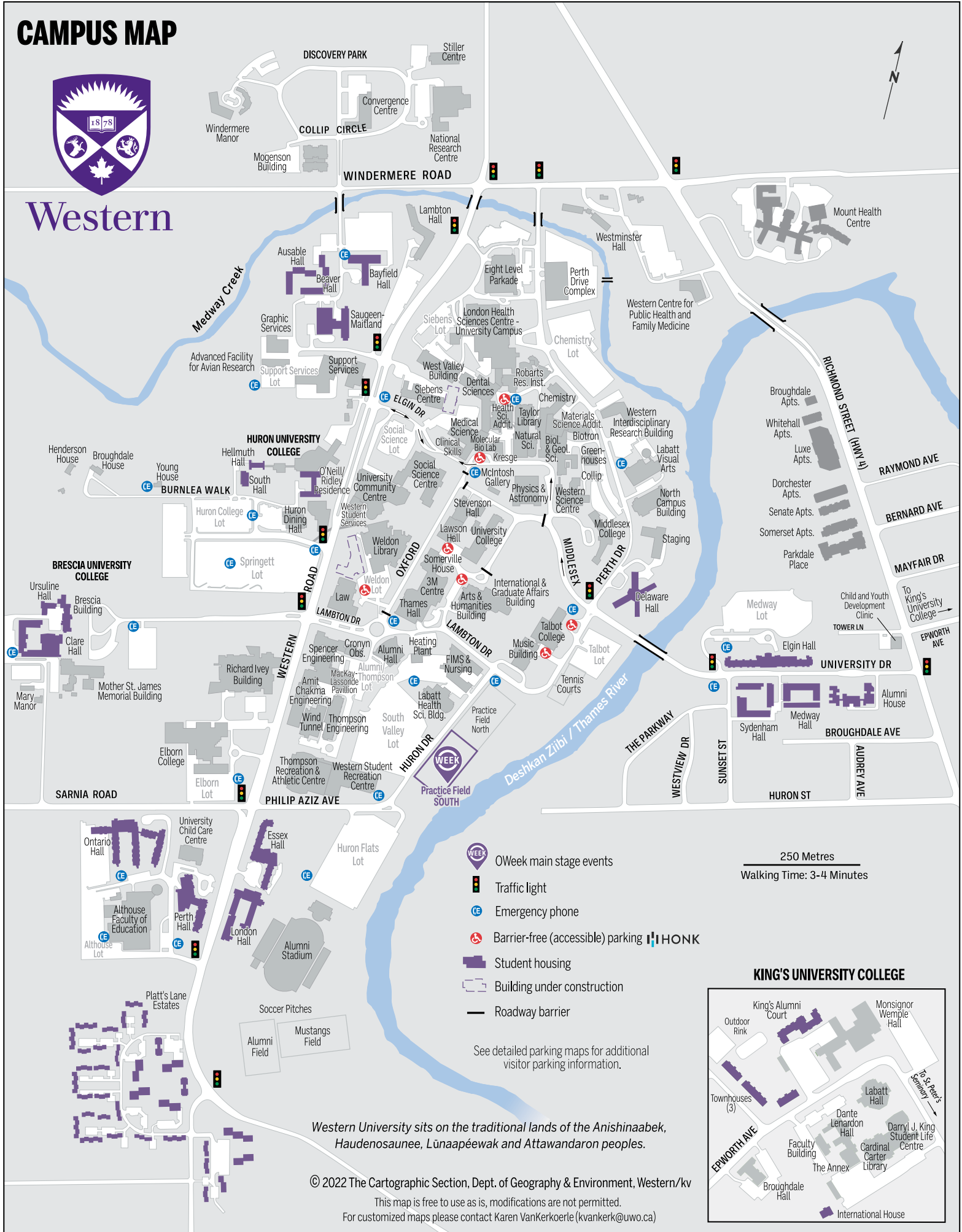
UCC	University Community Centre
UYCC	University YMCA Child Care
WVB	West Valley Building
WAS	Western Alumni Stadium
PHFM	Western Centre for Public Health & Family Medicine
WCS	Western Continuing Studies
WIRB	Western Interdisciplinary Research Building
WSRC	Western Student Recreation Centre
WSSB	Western Student Services Building
WTC	Western Tennis Club
WH	Westminster Hall
WINDEEE	Wind Engineering, Energy & Environment



CAMPUS MAP



Western



Western University sits on the traditional lands of the Anishinaabek, Haudenosaunee, Lûnaapêwak and Attawandaron peoples.