



Amit Chakma
Engineering Building

Western  Engineering

FIRST YEAR GUIDE

2022/2023

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IMPORTANT DATES

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

2022

September 8

Fall/Winter Term classes begin

September 16

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 31 - November 6

Fall Reading Week

November 12

Last day to drop a first-term half course without academic penalty

November 30

Last day to drop a full course without academic penalty

December 8

Classes end

December 9

Study Day

December 10 - 22

Mid-year examination period

2023

January 9

Classes resume

January 17

Last day to add a second-term half course

February 18 - 26

Spring Reading Week

March 7

Last day to drop a second-term half course without academic penalty

April 10

Fall/Winter Term classes end

April 11 - 12

Study Days

April 13 - 30

Final examination period

DEAN'S WELCOME

To all the new students joining Western Engineering for the start of the 2022-23 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 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 7	11:00 a.m. - 11:45 a.m.	Welcome & Speeches
	11:45 a.m. - 12:30 p.m.	Lunch
	12:30 p.m. - 2:30 p.m.	Engineering Clubs/Resource Fair <ul style="list-style-type: none"> • Station 1 – Engineering Shops • Station 2 – Business and Engineering • Station 3 – Undergraduate Services • Station 4 – Career Services • Station 5 – Design ES1050 • Station 6 – Clubs Fair • Station 7 – UES • Station 8 – First Year Build
	2:30 p.m. - 4:30 p.m.	Engineering Orientation Competition

ADDITIONAL FACULTY OWEK EVENTS

Wednesday September 7 <i>SEB-TEB-ACEB Loading Docks</i>	9:30 p.m. - 12:00 a.m.	Engineering Video Game Trailer
Thursday September 8 <i>Oxford Drive between UCC and Stevenson Hall</i>	12:30 p.m. - 1:30 p.m.	Epic Pull
Thursday September 8 <i>Main Stage</i>	9:00 p.m. - 10:30 p.m.	Tri Sci + Eng Dance
Friday September 9 <i>The Wave, UCC</i>	9:00 p.m. - 12:00 a.m.	Engineering Karaoke

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
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

Stephanie Tigert (stigert2@uwo.ca)

First Year Academic Counsellors

Karen Murray (kmurra3@uwo.ca)

Academic Counselling Coordinator

Erin Chute (echute@uwo.ca)

Student Wellness Counsellor

Sara Hanna (sara.hanna@uwo.ca)

eng.uwo.ca/undergraduate/academic-support-and-accommodations/Student-Wellness-Counselling.html

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 O-Week 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! We are the Western Engineering Soph Team, and we are so excited to meet you! We are responsible for planning all the Engineering OWeek related activities. 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 resources that might be helpful. Look out for us on campus throughout the year dressed in covies and orange shirts!

Sean MacPherson (Head Soph)

Jess Van Den Heuvel (Programming Assistant)

Henry Mcardle (Programming Assistant)

Lauren Kaminker (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. The Career Services team 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 building, interview skills, and job search advice. We also host a wide variety of career-focused workshops and employer events throughout the academic year.

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 sometime between mid-July to late August - 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](#).

WESTERN RESOURCES

Academic Calendar	westerncalendar.uwo.ca
Accessible Education	accessibleeducation.uwo.ca
Career Education	career.uwo.ca
Campus Recreation	uwo.ca/campusrec
Experiential Learning	experience.uwo.ca
Financial Aid	registrar.uwo.ca/student_finances
Foot Patrol	uwo.ca/footpatrol
Gender-Based Violence & Survivor Support	survivorsupport.uwo.ca
Indigenous Student Centre	indigenous.uwo.ca/students
International & Exchange Student Centre	iesc.uwo.ca
Learning Development & Success	learning.uwo.ca
Office of the Ombudsperson	uwo.ca/ombuds
Office of the Registrar	registrar.uwo.ca
Student Emergency Response Team (SERT)	sert.uwo.ca
Student Health & Wellness Services	health.uwo.ca
University Students' Council	westernusc.ca
Writing Support Centre	writing.uwo.ca

FACULTY RESOURCES

Academic Counselling	eng.uwo.ca/undergraduate/academic-support-and-accommodations/academic-counselling.html
Awards & Scholarships	eng.uwo.ca/undergraduate/award-and-scholarships.html
Engineering Career Services	eng.uwo.ca/coop
Engineering Super Tutor Program ..	eng.uwo.ca/undergraduate/first-year/tutor.html
Engineering Clubs & Teams	eng.uwo.ca/undergraduate/student-clubs/index.html
Student Wellness Counselling	eng.uwo.ca/undergraduate/academic-support-and-accommodations/Student-Wellness-Counselling.html

CONNECTING WITH PEERS

Academic Success Program: First-Year Mentorship

The [Academic Success Program \(ASP\)](#) is an academic mentorship program that will connect you with upper-year students in your faculty. ASP Mentors will support you with:

- Meeting friends in your faculty
- Answering questions about resources
- Navigating campus
- Understanding and applying your unique strengths to your courses and co-curricular activities
- Developing academic skills and strategies

Other opportunities to connect

Western has many programs designed to connect you with upper-year students that have shared your experiences who can guide you throughout your first year, including:

- [Academic Success Program: Sport](#)
- [Indigenous Student Transition Program](#)
- [International Peer Guide Program](#)
- [Out of Province Student Association](#)
- [Peer Assisted Learning \(PAL\) Centre](#)
- [Society of Mature Students](#)
- [Society of Off Campus Students](#)
- [Student Leaders in Residence](#)



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.
- Sophs literally know and can find the answers to ANYTHING. Use your soph and their friends.
- 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

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

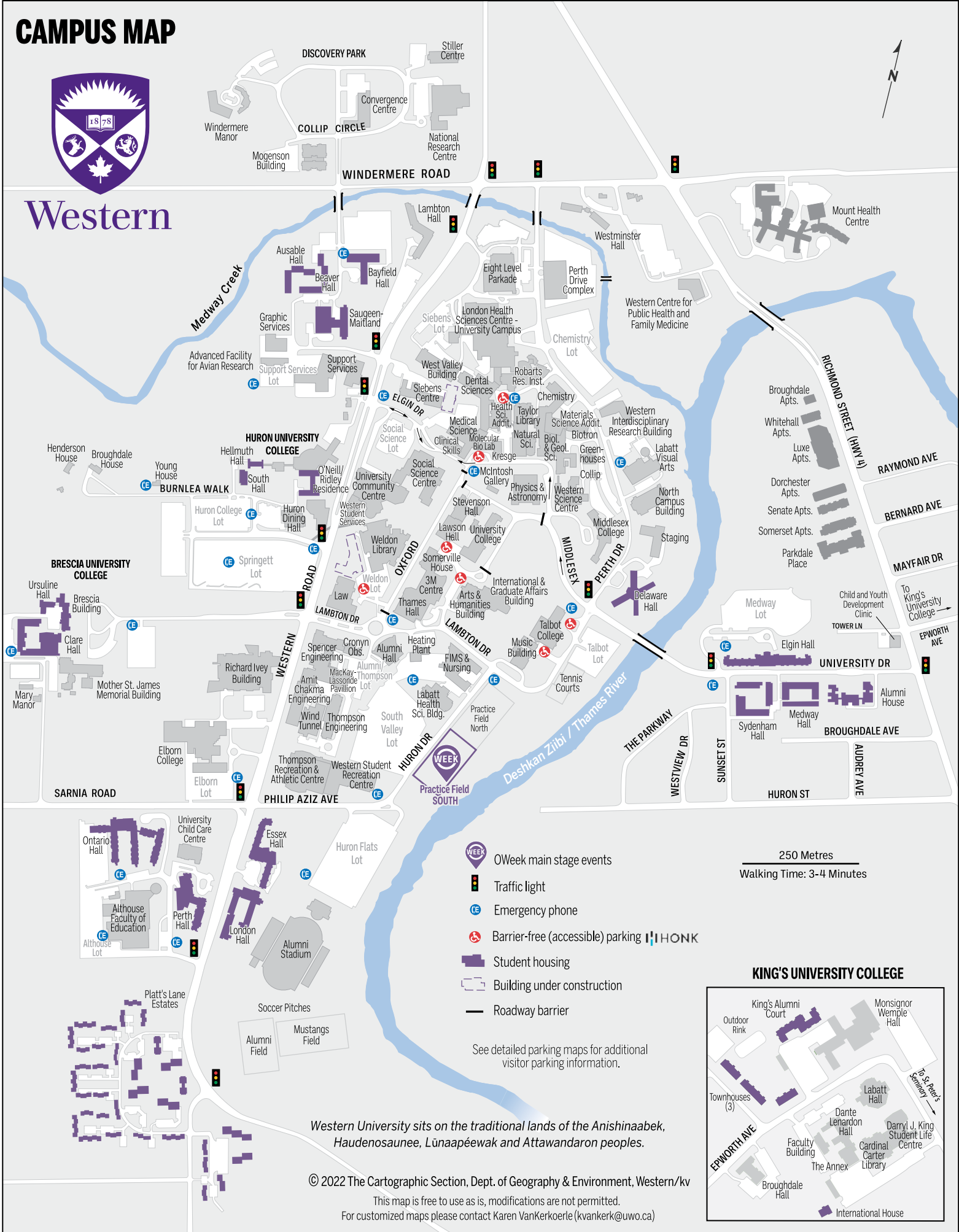
UCC	University Community Centre
UYCC	University YMCA Child Care
WVB	West Valley Building
WAS	Western Alumni Stadium
PHFM	Western Centre for Public Health & Family Medicine
WCS	Western Continuing Studies
WIRB	Western Interdisciplinary Research Building
WSRC	Western Student Recreation Centre
WSSB	Western 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, Lūnaapēwak and Attawandaron peoples.

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