



COMPUTER SCIENCE

POSSIBLE MODULES

- Bioinformatics
- Computer Science
- Information Systems
- Applications of Computer Science
- Computer Hardware Design
- Game Development
- Software Engineering

Computer science drives innovation in the 21st Century. From influencing the space program and contributing to models of personalized medicine, to solving life and business challenges through big data applications, computer science is all about exploring possibilities and influencing outcomes.

Our department is responsive to rapidly changing business, social and natural landscapes. We provide students with innovative programs, courses, internships and extracurricular learning opportunities that reflect focus areas of greatest interest to students and their potential employers.

BUILDING YOUR EXPERIENCE



Check the [Academic Calendar](#) and review your [module requirements](#)



Discuss your progression and future goals with an [Academic Advisor](#)



Talk to a [Career Educator](#) about your steps after Western in terms of further education, career goals, certifications, and more.



Get the experience you need through opportunities at Western using Mustang Maps and the [Experience Catalogue!](#)

ABOUT THIS MAP

This map can be used to plan your journey through your undergraduate degree. You can create your own custom map at mustangmaps.uwo.ca.

COMPUTER SCIENCE

PROFESSIONAL COMPETENCIES

Engage in these opportunities to build competencies for your future, including:

FIRST YEAR

MIDDLE YEARS

FINAL YEAR

FUTURE-FOCUSED PLANNER

- Look into [science awards and scholarships](#)
- Find a [summer or part-time job](#) and update your [resume](#)
- Check out the Volunteer or [Leadership Fairs](#)
- Explore the many [opportunities](#) with Western Sport & Recreation

- Attend an [information session](#) on the Science Internship Program
- Talk to a [Career Educator](#) about putting your degree into practice
- Access [Career Fundamentals online modules](#)
- Look into [job opportunities](#), [graduate school](#), or other [further education](#)

- Compete in the [Imagine Cup by Microsoft](#)
- Plan your next steps and consult [Science Career Services](#)
- Update your [LinkedIn](#) profile and connect with employers through [information sessions](#) and [Career Fairs](#)
- Apply to [graduate school](#)

CRITICAL THINKER

- Attend the [Ontario Summer School on Advanced Research Computing](#)
- Look into future [internships](#) or [research opportunities](#). Consider doing them [abroad](#)
- Learn about entrepreneurship through [clubs](#) on campus

- Get involved in an [Undergraduate Capstone Open Source Project](#)
- Participate in the [Undergraduate Science Case Competition](#)
- Look for research opportunities and apply for an [USRA](#)
- Practically apply entrepreneurial skills at [Hack Western](#), [SheHacks](#), or the [Proteus Innovation Competition](#)

- Attend IBM's [CASCON conference](#)
- Compete in the [Industry Problem Solving Week](#)
- Submit your coursework for an [undergraduate award](#) or to [The Current](#)
- Visit [Propel](#) for access to mentorship and resources to start your own business or social enterprise

ADAPTABLE PROBLEM SOLVER

- Expand your understanding of mental health issues through [online learning modules](#)
- Learn more about mental health resources through the [Wellness Education Centre](#)
- Visit the [PAL Centre](#) for help with course work

- Get support from the [Peer Support Centre](#)
- Develop academic skills at the [Writing Support Centre](#) or through [Learning Development & Success](#)
- Check out [drop-in recreation and intramural opportunities](#)

- Get involved with [Active Minds Western](#)
- Drop in to a [Laura Evans Wellness Workshop](#)
- Explore [Group Care and Workshops](#)
- Check our [FRESH online nutrition resources](#)

GLOBAL LEARNER

- Check out [International Week](#) events
- Participate in a [summer program abroad](#)
- Explore [scholarships and funding](#) for international opportunities

- Go on [exchange](#) or [study abroad](#) in year 3. Plan in Year 2
- Engage with a [club](#) focused on cultural and international interests
- Volunteer with the [International & Exchange Student Centre](#)
- For more opportunities, [click here](#)

- Be an [International Learning Ambassador](#)
- Participate in the [World's Challenge Challenge](#)
- Submit your [Global and Intercultural Engagement Honour](#) requirements

COMMUNITY BUILDER

- Attend [Indigenous Awareness Week](#)
- Join a [USC club](#) or the [Computer Science Undergraduate Society](#)
- Get involved with the [Science Students' Council](#)
- Become a [Western Peer Leader](#)
- Volunteer to be a judge in the [Thames Valley Science Fair](#)

- Volunteer at the [ECOO Programming Contest](#)
- Attend the [Gracer Hopper Celebration](#), the world's largest gathering of women technologists
- Look into [Impact Experience](#) opportunities
- Be an [Academic and Leadership Programmer](#) in residence

- Get a student membership to the [Association for Computing Machinery](#), the [IEEE Computer Society](#), or [CS-Can/Info-Can](#)
- Volunteer with [Let's Talk Science](#)
- Be a [Mustang fan](#) at many free on-campus sporting events

INNOVATIVE LEADER

- Attend workshops as part of the [Learn to Lead Program](#)
- Apply to be a [residence](#) or [orientation student leader](#)
- Explore [leadership and work opportunities](#) with the USC

- Attend the [Learn to Lead Summit](#)
- Get [safeTALK](#) and [ASIST](#) trained
- Be a peer mentor through the [Leadership and Academic Mentorship Program](#)

- Consider becoming a [Peer Writing Advisor](#) or tutoring through the [PAL Centre](#)
- Finish your requirements for the [Learn to Lead Leadership Certificates](#)

PARTICIPATE IN THE SCIENCE INTERNSHIP PROGRAM

GLOBAL AND INTERCULTURAL ENGAGEMENT HONOUR (GIEH)

- **Goal-orientation**
- **Motivation**
- **Organization**
- **Self-direction**

- **Curiosity**
- **Engagement**
- **Reflection**

- **Hopefulness**
- **Self-confidence**
- **Resourcefulness**
- **Creativity**

- **Equity**
- **Global awareness**
- **Social responsibility**

- **Authenticity**
- **Empathy**
- **Collaboration**
- **Self-awareness**

- **Integrity**
- **Judgement**
- **Intercultural communication**



PLACES TO CONNECT

- Academic Support & Engagement
- Careers & Experience
- Indigenous Student Centre
- Propel Entrepreneurship
- Sport & Recreation
- University Students' Council
- Western International
- Wellness & Well-being
- Western Libraries

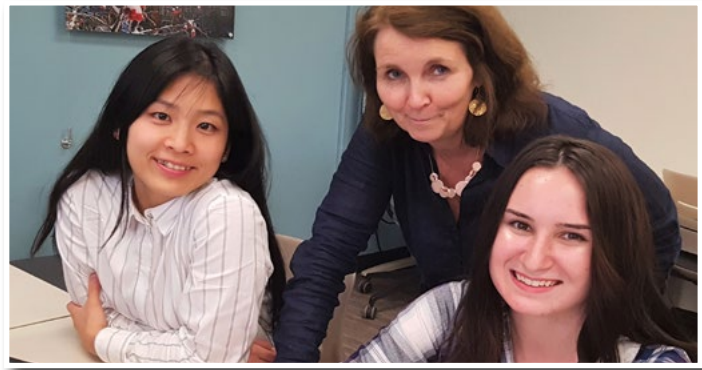
Remember, these maps are intended to outline experiences that you could do. They are meant to help you find ways to enrich and personalize your Western experience. You should explore the maps based on your goals and interests, while keeping in mind your own capacity and personal boundaries.



WESTERN'S THRIVING CAMPUS

We want you to thrive throughout your time here at Western. We aim to make every student feel they have a community in which they can discover their interests, and engage with new ideas and people.

Helping you engage in your learning through practical experiences is just a fraction of what we offer; we have a wide breadth of services designed to help you address the challenges you might face along the way, including academic and career advice, and mental health resources.



TRACKING YOUR EXPERIENCE

Exploring opportunities to enhance your learning doesn't end with Mustang Maps. As you participate in co-curricular experiences, consider these tools to track your engagement and articulate your transferrable skills:

Western's Co-Curricular Record helps you showcase your experiences outside of the classroom to potential employers and graduate schools.

STUDENT EXPERIENCE
studentexperience@uwo.ca

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**DEPARTMENT OF
COMPUTER SCIENCE**
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