

### FIRST YEAR

- Check out the [Academic Support Zone](#) for free writing and tutoring support.
  - Review program requirements on the [Academic Calendar](#) and if you have questions, meet with a [Student Central Professional](#).
  - Consider elective courses that interest you and areas you may want to study in the future.
  - Familiarize yourself with your [myInfo](#) account, self help and degree audit tools.
  - Meet with [Student Accessibility Services](#) if you need academic accommodations.
  - Familiarize yourself with the [Academic Regulations](#).
  - Want to add more to your degree? Consider completing a thesis or joining the co-op program!
  - Upon initial registration, you'll need to choose either the Business or Science stream. Contact the Chair of the Computer Science Department for help making your decision.
- The Business Focus provides a path to the entrepreneurship certificate offered by the Faculty of Business.
- The Science Focus allows you to access a wide variety of electives from the faculty of Science and Environmental Studies.
  - Consider taking the Game Programming Specialization, in which you will have the opportunity to pursue a specific set of courses that relate to game programming

### MIDDLE YEARS

- Attend Academic Skills Prep Sessions offered by the [Academic Support Zone](#).
- Meet with your Chair or a [Student Central Professional](#) to discuss your academic progress, and current/future courses.
- Consider post-degree programs that may require specific courses or academic requirements - create a plan.
- Ensure your degree audit is accurate and check your audit anytime you add or drop a course.
- Running into academic challenges? Meet with the [Academic Support Zone](#) early.
- Keep track of [future graduate programs](#) or job requirements. Plan ahead to ensure you are meeting the necessary prerequisites.
- Practice effective oral communication through class discussions and presentations.
- Determine whether you want to take the Game Programming or Health Informatics Specialization.
- Ensure to get involved in course projects to gain experience and fulfill degree requirements.
- Start connecting with faculty if you are planning on completing a thesis; you will need to secure a supervisor.
- Consider exploring new languages like Python! Currently employers are looking for individuals with this experience!

### FINAL YEAR

- Meet with your Chair or [Student Central](#) to ensure you are on track to complete degree requirements for graduation.
- Submit your Intent to Graduate (on [myInfo](#)).
- RSVP for convocation ceremonies.
- Review application requirements, processes and deadlines for future academic programs of interest.
- If doing a Thesis, ensure that you're on track to complete on time, and see the program guidelines with regards to Honours theses. Check in regularly with the instructor of the thesis seminar.
- Sit down with your Chair to review your degree audit for graduation to ensure you are on track.

### ACADEMIC SUCCESS

#### ACADEMIC SKILLS CHECKLIST

- Meet regularly with the Chair of the Department of Computer Science to ensure degree requirements are being met.
- Enhance the value of your degree through specialization options.
- Review your program requirements on the Academic Calendar.
- Visit the [Academic Support Zone](#); attend workshops and take advantage of free tutoring and writing services.
- Meet regularly with your Program Chair to ensure you are keeping on track.
- Declare your Intent to Graduate.
- Develop professional contacts with [faculty](#).
- Complete all the [necessary steps](#) to graduate.



#### DEVELOP

a Course Plan and Build Academic Skills



#### CONNECT

and Gain Experience with the Local and Global Community

- Register in courses that contain in-class experiential learning opportunities such as case studies and labs.
- Meet the Chair of your Department - get to know them, and let them get to know you.
- Interested in entrepreneurship? Look into [Ingenuity's](#) resources and events.
- Get involved with [Work-Integrated Learning](#) at Lakehead Foundational Skills Workshop Series.
- Connect with peers and explore your interests through joining a [club](#).
- Ask to Volunteer for the department or if faculty know of any opportunities where you can develop skills.
- Consider [co-op](#) to gain valuable, hands-on experience in the computer science field!
- Check out the [resources and programs](#) available to international students through Lakehead International.
- Connect with [Indigenous Initiatives](#) and the [Indigenous Student Services Centre](#).

- Build professional networks with peers, faculty, mentors, and employers.
- Develop networks and connect with your academic professors. Begin by dropping in during their office hours.
- Consider a [work-study](#) job; a great opportunity to gain experience, as well as assist in the cost of your education.
- Lakehead's faculty are engaged in a wide array of research areas. Explore their research, find out what interests you, and build connections by asking questions, engaging in discussions, and inquiring further about their areas of research.
- Consider participating in an [academic exchange](#).
- Consider participating in the [Work-Integrated Learning](#) at Lakehead.
- See what professors are doing, sometimes they look for student workers during the year.
- Consider joining the mentorship program! Speak to the faculty advisor in your department for more info!
- If you are in the co-op program, speak with the Co-op Advisor at [coop.ssc@lakeheadu.ca](mailto:coop.ssc@lakeheadu.ca) for any assistance needed.

- Consider working on applied research, such as a thesis project.
- Connect to the local community through attending courses that involve case studies.
- Communicate interest in career-related opportunities with your professors.
- Join networking platforms such as [LinkedIn](#) and [Ten Thousand Coffees](#).
- Communicate interest in career-related opportunities with your professors.
- If you have conducted your own research, seek to present it at a conference or through [Research and Innovation Week](#). Ask faculty about opportunities to share your work.
- Consider joining Toastmasters; an organization which will help you develop essential public speaking skills.
- Upon completing a project course, speak to your instructor about completing a research article to potentially present your research at a conference or get published in a journal!

#### EXPERIENTIAL LEARNING CHECKLIST

- Take advantage of local volunteer activities.
- Study abroad through Lakehead International's [Study Abroad](#) program.
- Join [Lakehead Connect](#) Networking and Mentorship Program to speak to Alumni and Peers!
- Consider arranging an [informational interview](#) to connect with employers, gain networking/interview experience, and discover potential career options.
- Start your [Co-Curricular Record](#). Ask a Student Success Advisor for assistance.



# COMPUTER SCIENCE

BSc, HBSc

## CAREER INFORMATION



Lakehead  
UNIVERSITY

### FIRST YEAR

### MIDDLE YEARS

### FINAL YEAR

### ACADEMIC SUCCESS



- Visit the [Career Zone](#) to find out about the career services offered.
- Check out the job bank on [MySuccess](#) to learn about summer job and on-campus opportunities in your program.
- Apply for the [Lakehead University Work Study Program \(LUWSP\)](#). This is an excellent way to both gain experience and finance your studies.
- It's never too early to begin gathering experience; start in your first year.
- Get involved with [Work-Integrated Learning](#) at Lakehead Foundational Skills Workshop Series.
- Discuss bursary and award opportunities with Student Central.

- Start connecting with employers through recruitment events, such as [career fairs and employer visits](#).
- Join [Lakehead Connect](#) to make connections with alumni in industry.
- Consider taking the [Strong Interest Inventory Assessment](#) to learn about your career interests.
- Build career readiness skills by attending resume, job search and interview skills workshops in the [Career Zone](#).
- Speak to faculty in your department about your career interests and potential career-related opportunities.
- Make curriculum and project choices based on career goals and interests post-graduation.

- Attend Career Fairs to network with employers. Check the [Career Zone calendar](#) to find out when career-building and networking events are being held.
- Consider and discuss graduate school options with your faculty.
- Understand the terms and conditions of your provincial funding to understand the repayment requirements.
- Build career readiness skills by attending resume, job search and interview skills workshops in the [Career Zone](#).
- Finish strong in your final year – in many cases, grad programs only look at your last year or two of grades.
- Consider graduate school and apply for funding (scholarships).

#### CAREER DEVELOPMENT CHECKLIST

- Keep track of your skills and experiences for your future cover letters.
- Start applying for part time job opportunities in your field early in your studies.
- Create a [LinkedIn](#) account.
- Attend Career Zone job readiness [workshops](#).
- Network with employers, especially during [Volunteer and Career Fairs](#).
- Keep track of your on-campus extracurricular activities to add to your Co-Curricular Record (found on [mySuccess](#)).
- Research employment opportunities tied to the skills you developed in your program. Check out [Resources and Tools](#) on the Career Zone Website to learn more about professional development and career readiness.

#### What skills do employers want?

- Software development
- Project planning
- Adaptable
- Excellent written and verbal communication skills
- Ability to work collaboratively and responsibly
- Good judgment skills
- Various technical skills
- Aptitude and flexibility in learning new technologies
- Problem solving
- Ability to work in a fast paced and high pressure environment

#### What skills will I gain with this major?

- Programming skills
- Analytical skills
- Creativity
- Critical thinking
- Problem solving
- Attention to detail
- Communication
- Hard skills such as programming, mathematics, data analysis, and more!

#### What double degrees can I do with this major?

- You can gain a computer programming diploma!

#### What graduate programs could I pursue?

- Master of Science: Computer Science
- PhD

#### What types of minors can I do?

- Speak to the program advisor about your options

#### What could I add to my degree?

- Computer Programming
- Game Programming Specialization
- Health Informatics Specialization
- General certificates offered at Lakehead such as:
  - Indigenous Language Specialist Certificate
  - Certificate in Education Studies
  - Entrepreneur Certificate Program
  - Certificate in Indigenous Learning
  - Certificate in International Languages
  - Certificate of French Proficiency for non-French Majors

#### What careers can I pursue?\*

- Web Content Manager
- Health Informatics Specialist
- Web Developer
- Cyber Security Consultant
- Webmaster
- Computer Network Specialist
- Game Developer
- Information Specialist
- Security Specialist
- Mobile Application Developer
- Systems Analyst
- Software Quality Assurance Manager
- Database Administrator

\*Your career path is not limited to this list. There could be other options to explore!

#### What field of work are alumni working in?

- Software Developer
- Project Analyst
- Research Analyst
- Programmer
- Software Engineer
- Programmer Analyst
- IT Analyst/Developer

#### What percentage of graduates are employed within 2 years after graduation?

- Other Arts & Sciences: 97.2%

### STUDENT SUCCESS CENTRE

THUNDER BAY (SC0008)

(807) 343-8018  
ssc@lakeheadu.ca  
Monday - Friday | 8:30am - 4:30pm

ORILLIA (OR1021)

(705) 330-4010 x 2118  
orillia.ssc@lakeheadu.ca  
Monday - Friday | 8:30am - 4:30pm

### CAREER ZONE

THUNDER BAY (UC00)

(807) 343-8010 x 8264  
careerzone.ssc@lakeheadu.ca  
Monday - Friday | 10:00am - 4:30pm

### SOCIAL MEDIA

THUNDER BAY

lakeheadlife  
 @lakeheadlife  
 @lakeheadlife

ORILLIA

lakeheadlifeor  
 @lakeheadlifeor  
 @lakeheadlifeor