Students in our program have the option of 4th Year Thesis Course as experienced scientists. We take pride in giving students honours thesis course in which our students depending on their interests. Finally, a key research institutes, or faculty researchers offers two internship courses that allow our students to work with external companies, during the academic year. Third, Biology members typically hire 15-20 students each summer and many more volunteer or work with faculty under the Work Study program.

What Algoma's Biology program offers is WHAT BIOLOGY AT ALGOMA U?

Algoma's Biology program offers hands-on experience. First, many of our courses have weekly labs, ensuring that students see and touch the biology they are learning about. Second, because we are relatively small, our Biology students have more opportunities to conduct research with our professors, who are excellent researchers. In fact, our full-time faculty members typically hire 15-20 students each summer and many more volunteer or work with faculty under the Work Study program during the academic year. Third, Biology offers two internship courses that allow our students to work with external companies, research institutes, or faculty researchers depending on their interests. Finally, a key element of the four-year biology is the honours thesis course in which our students undertake an advanced research project. We take pride in giving students opportunities and experiences that allow them to graduate from our biology program as experienced scientists.

4th Year Thesis Course

Students in our program have the option of delving deeper into a specific area of interest in our honours thesis course. Thesis students work directly with a faculty supervisor to design and execute a scientific research project. Students collect and analyze their data, then present their results in our Thesis Research Colloquium. Many students have gone on to present their research at national and even international conferences and have published their research in peer-reviewed scientific journals, a rarity for undergraduates. It is no surprise that many of our graduates have been accepted to graduate schools and professional programs (e.g. Medicine). We believe that our program gives students truly unique opportunities.

LEARNING OUTCOMES

Our courses provide a broad introduction to the breadth of topics within the field of Biology. Our program also includes many courses that teach students important components of experimental design and the scientific method. We have a wealth of courses addressing topics related to human biology, which students interested in medical fields generally pursue (e.g., Human Anatomy & Physiology, Biomedical Ethics, Nutritional Science, Cancer Biology). In addition a larger collection of courses are offered for students with diverse interests.

WHAT STUDY AT ALGOMA U IN SAULT ST. MARIE?

Algoma U is located in Sault Ste. Marie, a city of 75,000 people in Northern Ontario. "The Soo", as locals call it, has all the amenities of a big city – shopping, entertainment, sports teams, festivals, and cultural activities – but without the hassle of traffic.

We're lucky enough to live in a city surrounded by the great outdoors. With Lake Superior and the St. Mary's River literally just steps from our front door, there's always something to do. You can catch some sun at the beach or walk our beautiful boardwalk. With the highest elevation in Ontario, Searchmont Resort is a popular winter destination for our students, offering great alpine skiing and snowboarding.

EXPERIMENTAL LEARNING IS "LEARNING BY DOING." There are many experiential learning opportunities in the classroom, lab and in the community. Students in the Biology program have participated in labs, internships, and conferences. A full inventory of Biology experiential learning opportunities is listed in this Experience Map.

SKILLS EMPLOYERS ARE SEEKING

With over 2,000 business leaders surveyed, the top skills they would like to see in their employees include:

1. Leadership
2. Communication
3. Collaboration
4. Time Management
5. Understanding the impact of technology
6. Consistent global training

GAIN. EXPERIENCE.

Experiential Learning is "learning by doing." There are many experiential learning opportunities in the classroom, lab and in the community. Students in the Biology program have participated in labs, internships, and conferences. A full inventory of Biology experiential learning opportunities is listed in this Experience Map.

ADMISSION REQUIREMENTS

ENG4U, MHF4U, 2UM Sciences (Biology & Chemistry recommended). Minimum 70%. 

Applying to Algoma U is simple. We're ready to help answer all of your questions and more. Before you know it, you'll be walking across campus to your first class.
GAIN EXPERIENCE.

1ST YEAR

- Biol. 1506/1507, Chem. 1006/1007
- 6 credits from Group III Sciences at 1000 series Math 1086, Math 1087 or PHY 1116 *60% required
- Electives: 6 credits from Group I - Humanities and/or Group II - Social Sciences
- Meet with your Academic Advisor to select courses.

2ND YEAR

- Make an appointment with your Faculty Advisor in early February to develop your academic plan.
- Questions about rules and regulations in your program? See your Academic Advisor in Student Success Central.
- Want to enhance your degree? Consider a minor or certificate.

3RD YEAR OR FINAL YEAR

- Continue to meet with your Faculty Advisor to ensure you are meeting program requirements and academic goals.
- This is a good time to investigate a Master’s Degree, Postgraduate Diploma or Bachelor of Education. Please make an appointment in Student Success Central for full details.

4TH YEAR OR FINAL YEAR

- Complete degree requirements and ensure you’ve met all deadlines for post graduate options.
- Apply to graduate.

EXPERIENCE MAP BIOLOGY

AFTER GRAD?

- After completing a degree in Biology, students are open to a myriad of career paths and opportunities.

- Many of our students pursue graduate programs and go on to pursue exciting careers in many areas.

- Graduates can and have pursued:
  - Research
  - Health Care
  - Education
  - Environmental Management and Conservation
  - Museums, Aquariums, Zoos, Parks, and Nature Centres
  - Biotechnology
  - Forensic Science
  - Politics and Policy
  - Business and Industry

STUDENT SUCCESS

- Always remember to put your health first! Hit the GRC for some calming Yoga or an intense workout or take walks around campus to clear your mind.

- You’re feeling depressed, anxious or upset? Don’t worry! YOU ARE NOT ALONE. Download the MT. Web App or dial 1-877-234-5327 for 24/7 free counseling or book an appointment with an on-campus counselor by emailing healthservices@algomau.ca.

- We’re here for you. Visit the Learning Centre for information on free tutoring and learning strategies.