Area of Interest: Community and Social Services

Academic and Career Entrance

College Certificate

Program Code: 0850D01FWO

24 Weeks

Ottawa Campus

Our Program

Prepare for college at college.

Prepare for college programs and/or employment by taking Academic Upgrading courses. Study only the courses you need to meet the admission requirements for your college program of choice, or earn the Academic and Career Entrance (ACE) certificate. The ACE certificate is recognized across Ontario as a Grade 12 equivalency for admission to college and by many employers as meeting their minimum employment standard.

Delivered as a continuous intake program, you can start in any month of the year. Full and part-time study options as well as a choice of timetables are offered. Placement tests determine which English and/or mathematics course you start in. Based on your results and preferences, your Orientation team works with you to develop a personal learning plan. The time it takes you to complete your plan depends on which course(s) you start in, which course(s) you need to reach your academic or employment goals and your own rate of progress.

To obtain the ACE Certificate you must complete ENL5958 College Preparation Communication or ENL0076 Communications: Preparation for Degree Programs, and MAT5951 Intermediate Mathematics, plus two electives with departmental approval.

SUCCESS FACTORS

This program is well-suited for you if:

- You are ready to set goals for the future.
- You are willing to work and show progress.
- You are prepared to attend regularly, whether in person or in a remote setting.
- You are able to work independently.

Program of Study

Level: 01	Courses	Hours
DAT0110	Computer Skills	64.0
ENL5958	College Preparation Communication	96.0
MAT5951	Intermediate Mathematics	112.0
Elective with Departmental Approval	**Courses**	**Hours**
DAT5959	Keyboarding	10.0
ENL0076	Communications: Preparation for Degree Programs	112.0
ENL5952	Communication 5	96.0

MAT0001	College Preparation Mathematics - Technical	96.0
MAT0010	College Preparation Mathematics - Business	128.0
MAT0030	Mathematics Fundamentals for Apprenticeship Preparation	36.0
MAT0034	Degree Preparation Math - Data Management	128.0
MAT5952	College Preparation Mathematics - Technology	96.0
MAT5957	Fundamental Mathematics	144.0
MAT5964	Fundamental Mathematics for Preparation for Health Science	64.0
SCI5952	College Preparation Biology	128.0
SCI5953	College Preparation Chemistry	128.0
SSC5727	Success Strategies	64.0

Fees for the 2024/2025 Academic Year

Tuition and related ancillary fees for this program can be viewed by using the Tuition and Fees Estimator tool at https://www.algonquincollege.com/fee-estimator .

Further information on fees can be found by visiting the Registrar`s Office website at https://www.algonquincollege.com/ro .

Fees are subject to change.

- Tuition is free for Ontario residents who qualify for financial assistance under the Institution-Funded Special Bursary or Literacy and Basic Skills programs. Financial assistance may also be available for travel and/or childcare costs.
- Students will have access to course materials at no cost.
- Please note that the fees are subject to change.

Admission Requirements for the 2025/2026 Academic Year

College Eligibility

- 19 years of age or older.

Program Eligibility

- An initial English reading assessment will determine if you are eligible for the Academic Upgrading program.

Admission Requirements for 2024/2025 Academic Year

College Eligibility

- 19 years of age or older.

Program Eligibility

- An initial English reading assessment will determine if you are eligible for the Academic Upgrading program.

Additional Information

The Academic and Career Entrance (ACE) certificate is offered by Algonquin College at the Woodroffe and Pembroke campuses, as well as at the John Howard Society in downtown Ottawa

(ACElinks). While the learning outcomes for the Academic and Career Entrance (ACE) certificate courses at all locations are standardized, elective courses vary between campuses.

Academic Upgrading courses are offered in both remote and in-person classroom settings up to 30 students. The courses have set curriculum, and you are expected to meet the learning outcomes within given timelines. In light of this, Academic Upgrading is not recommended if you required a significantly modified or adaptive learning program in high school.

Algonquin College participates in the Literacy Services Planning and Coordination process in Ottawa and Renfrew counties. As such, you may be referred or redirected to other literacy service delivery providers whose programs may better suit your needs.

Course Descriptions

DAT0110 Computer Skills

A solid foundation in basic computer skills and digital literacy is necessary to be successful in both college and a career. Students develop skills in word processing, file management, presentation software and spreadsheet operations. They also become familiar with Brightspace, Algonquin College's learning management system.

Prerequisite(s): none
Corerequisite(s):none

DAT5959 Keyboarding

Develop keyboarding skills.

Prerequisite(s): none
Corerequisite(s):none

ENL0076 Communications: Preparation for Degree Programs

Communication, reading, academic writing, and critical thinking skills are necessary for success in college, university, and daily life. Students develop and write academic essays and reports for different purposes. Emphasis is placed on generating ideas, developing a thesis, collecting and evaluating secondary sources and the correct citation of sources. Students acquire greater control over academic writing through coherent and grammatically correct use of academic language. Students read, interpret and respond critically to a variety of texts for a variety of purposes. Students create and present a multi-media oral report. This course is accepted as the English prerequisite for Algonquin College bachelor degree programs requiring ENG4U.

Prerequisite(s): DAT0110 and ENL5952
Corerequisite(s):none

ENL5952 Communication 5

Good communication skills and a self-directed approach to learning are key to sustained success in both college and a career. Through individual study and frequent feedback on progress, students analyze the components of good writing, write short essays and business correspondence, take notes, summarize text and prepare a resume. Students identify their support system and potential barriers to success, articulate their readiness to learn, monitor their own progress and produce work within set time frames.

Prerequisite(s): ENL5956
Corerequisite(s):none

ENL5958 College Preparation Communication

Good communication skills and a self-directed approach to learning are key to sustained success in both college and a career. Through individual study and frequent feedback on progress, students write essays using various organizational structures, read and report on short stories, explore and assess the role media and advertising plays in their lives, and practice using Algonquin College Library resources. Finally, students research and produce a report and present their findings in an

oral presentation. Students monitor progress and produce work within set timeframes. This course is accepted as the English prerequisite for programs requiring ENG4C.

Prerequisite(s): DAT0110 and ENL5952
Corerequisite(s):none

MAT0001 College Preparation Mathematics - Technical

A solid foundation in mathematics is necessary for further study in technical fields. Through individual study and frequent feedback on progress, students solve problems by analyzing linear relations, using linear systems, quadratic relations, quadratic expressions, quadratic equations and trigonometry of right triangles. This course is accepted as the math prerequisite for technician/ technology programs at Algonquin College requiring MAP4C and MCF3M.

Prerequisite(s): MAT5951
Corerequisite(s):none

MAT0010 College Preparation Mathematics - Business

A solid foundation in mathematics is necessary for further study in business fields. Through individual study and frequent feedback on progress, students solve problems by analyzing linear relations, using interest, exponential functions, series and sequences, and annuities. This course is accepted as the math prerequisite for business and health programs at Algonquin College requiring MAP4C and MCF3M.

Prerequisite(s): MAT5951
Corerequisite(s):none

MAT0030 Mathematics Fundamentals for Apprenticeship Preparation

A solid foundation in mathematics is necessary to succeed in apprenticeship training. Through skills-based problem solving, individual study and frequent feedback on progress, students learn to solve problems related to their trade which may include the following: fractions, decimals, percent, ratio and proportion, the metric system, measurement, order of operations, use number sense, manipulating linear and non-linear relations, exponents, polynomials and trigonometry of right triangles.

Prerequisite(s): none
Corerequisite(s):none

MAT0034 Degree Preparation Math - Data Management

A solid foundation in mathematics is necessary for further study in postsecondary programs that require the ability to manage data. Students will examine permutations, combinations, and probability distributions. Through individual study, frequent feedback on progress, and a culminating assignment, students will learn to organize and analyze data as well as solve mathematical problems. This course is accepted as the math prerequisite for degree programs at Algonquin College requiring MDM4. Prerequisites: MAT0001 or MAT0010

Prerequisite(s): none
Corerequisite(s):none

MAT5951 Intermediate Mathematics

A solid foundation in mathematics is necessary to everyday life and serves as a basic building block for more advanced mathematics. Through individual study and frequent feedback on progress, students solve problems using number sense, integers, rational numbers, linear and non-linear relations, exponents, polynomials, modelling with equations and data management. This course is accepted as the math prerequisite for programs requiring MBF3C.

Prerequisite(s): MAT5957
Corerequisite(s):none

MAT5952 College Preparation Mathematics - Technology

A solid foundation in mathematics is necessary for further study in technology fields. Students solve problems using trigonometry of acute triangles, vectors, exponential functions and logarithmic functions. Through skills-based problem solving, individual study, and completing assessments, students refine technological math skills. This course is accepted as the math prerequisite for technology programs at Algonquin College requiring MCT4C.

Prerequisite(s): MAT0001
Corerequisite(s):none

MAT5957 Fundamental Mathematics

A solid foundation in mathematics is necessary in everyday life and serves as a building block for more advanced mathematics. Students solve problems using whole numbers, decimals, fractions, percent, ratio and proportion, the metric system, measurement and order of operations. Through individual study and frequent feedback on progress, students refine their fundamental math skills.

Prerequisite(s): none
Corerequisite(s):none

MAT5964 Fundamental Mathematics for Preparation for Health Science

A solid foundation in mathematical concepts and applications are essential to students entering health science professions. Through individual study, online tutorials and frequent feedback on progress, students solve problems using decimals, fractions, ratio and proportion, percent, the metric system, systems of measurement and special dosage calculations.

Prerequisite(s): none
Corerequisite(s):none

SCI5952 College Preparation Biology

Detailed knowledge of the human body and biological systems is essential for students entering health science professions. Students study the cell, genetics, nutrition, and the following body systems: nervous, respiratory, cardiovascular, urinary, lymphatic, reproductive and digestive. Student activities include lectures, laboratory exercises, group work, online exercises and video commentary. This course is accepted as the biology prerequisite for programs in the college system, including the two-year Ontario College Diploma in Practical Nursing.

Prerequisite(s): none
Corerequisite(s):none

SCI5953 College Preparation Chemistry

Foundational knowledge of chemistry is valuable for students entering health science professions. Students study matter, the atom, the periodic table, chemical bonding, the mole, chemical reactions, gas laws and basic organic chemistry. Student activities include lectures, laboratory exercises, group work, online exercises and video commentary. This course is accepted as the chemistry prerequisite for programs in the college system, including the two year Ontario College Diploma in Practical Nursing.

Prerequisite(s): none
Corerequisite(s):none

SSC5727 Success Strategies

Understanding and developing key strategies for learning are essential skills to ensure academic and career success and strengthen future learning opportunities. Students explore the theories and principles of learning, brain function, learning styles, motivation and group dynamics. Special attention is placed on analyzing oneself as a learner and preparing for future personal and career goals. Students learn the importance of critical thinking, problem solving and working in a team. The course lays the foundation for students to develop personalized learning strategies in a

collaborative and supportive learning environment through interactive workshops, discussion board activities, team presentations and journal writing.

Prerequisite(s): none
Corerequisite(s):none