



ALGONQUIN COLLEGE

EQUIP YOUR BUILDERS WITH IN-DEMAND HERITAGE CONSTRUCTION AND RESTORATION SKILLS

Partner with Algonquin College in Canada to give your members or employees the specialized training they need to gain traditional building skills such as timber framing, log building, stone masonry - as well as carpentry/joinery heritage restoration such as millwork, stair casing and sash making plus straw bale construction

Algonquin College's Perth Campus is known throughout Canada and the world for its heritage trades programs. Our heritage construction students learn how to work safely using traditional tools, materials, and layout techniques in a shop environment on campus and in fieldwork projects. Our students learn architectural millwork, traditional timber framing, stair casing, log construction, historical architecture, building science, construction methods and preservation techniques, stonemasonry veneer and composite wall systems, arch design and construction, fireplace and chimney construction, rubble stone construction, traditional stone mouldings, and traditional dry stone walling. Additional information regarding our programs and expertise can be found at:
www.algonquincollege.com/perth/program/heritage-institute/

We emphasize wood and stone as building materials and our role as producers and installers - of building products. Organized field trips include trips to local masonry, straw bale, and timber framing job sites, heritage conservation projects, rock quarries, and other key locations that expose students to traditional building methods and current industry practices.

Our Faculty and Staff Can Design a Customized Curriculum that Meets Your Organization's Specific Goals

We can create a specialized program that will give your construction professionals the tools and training they need to:

- Expand their knowledge of time-honoured traditional construction methods
- Learn the fundamentals of heritage restoration
- Develop traditional and contemporary stonemasonry skills
- Advance their understanding of natural building techniques
- Acquire specialized residential and commercial construction training
- Develop and expand on traditional carpentry and joinery techniques
- ... and more.



**An Innovative Leader
in Construction Training,
Algonquin College
is internationally
recognized for:**

- World-class curriculum design and program quality
- Innovative use of technology online and in the classroom
- A focus on applied studies and hands-on skills development
- Global leadership in successful international program delivery





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A Wide Range of Applied Skills Training to Explore:

TIMBER FRAMING

- Traditional joinery – both square rule and scribed methods
- Traditional timber frame construction
- Specific safety requirements applicable to working with heavy timbers, tools, and equipment
- Timber frame structure inspection
- Timber frame structure repair

HERITAGE CARPENTRY/JOINERY

- Joinery fundamentals – focus on hand tools and old world craft
- Traditional stair casing – stringers, newels, balustrades, layout and design
- Architectural millwork – mouldings, trim, casings, windows, doors, mantles, ornamental features including wood turning, traditional sash and door construction
- Restoration methods
- Architectural drafting and blueprint reading

MASONRY

- Dry stone walling
- Stone cutting/carving
- Traditional stonemasonry
- Contemporary residential and commercial masonry
- Restoration masonry
- Drafting and blueprint reading
- Construction mathematics

STRAW BALE CONSTRUCTION

- Straw bale design
- Bale stacking
- Window and door installation
- Framing considerations
- Plastering prep and application
- Plumbing and electrical



A Historic Setting for our Unique Heritage Trades Programs

Algonquin College's Perth Campus is home to over 300 full-time students. Our small, student-friendly campus is located in the historic Town of Perth, approximately 65 km west of Canada's capital, Ottawa. This setting enhances our unique heritage trades programs, which draw students from the local community and from across the world. Perth was awarded the Prince of Wales Prize for its continued commitment to preserving its rich architectural heritage, and the Algonquin Heritage Institute was recognized as integral to the community's success. Masonry and carpentry projects completed by students can be found throughout Perth and the surrounding Lanark County.

Our heritage construction students enjoy small class sizes while experiencing hands-on authentic learning projects linked to their theoretical studies.

Why Choose Algonquin?

With over 175 programs, 20,000 full time students, and three vibrant campuses in the Ottawa region, Algonquin is one of Canada's largest colleges. We are a global leader in developing programs that use alternative and innovative training methods, and are internationally renowned for delivering world-class training with a focus on both theoretical learning and real-world applied skills development. We have extensive experience in delivering high-quality training internationally, including in China, India, Montenegro, Tanzania, Thailand, Kuwait, and Saudi Arabia.

Explore How We Can Work Together

We would love to discuss how we can work with you to deliver the world-class heritage construction and restoration training your construction professionals need to thrive in the global building industry.

To speak with us in person, please email International Education Centre Director Ernest Mulvey at mulveye@algonquincollege.com or call 613 727 4723 ext. 5017

algonquincollege.com/international
International Education Centre
Algonquin College of Applied Arts
and Technology