

TRADE PROGRAMS AT THE PERTH CAMPUS

ALGONQUIN COLLEGE HERITAGE INSTITUTE



The demand for skilled trades is going to increase dramatically in the next decade. Now is the time to start training to fill one of the openings for skilled workers in the fields of construction, restoration and renovations. Algonquin College's Perth Campus offers some unique opportunities to become a carpenter or a mason.

Many skilled masons are reaching retirement age, and there is a huge demand to fill their places with well-trained, highly-skilled workers. In the unique Masonry – Heritage and Traditional program offered at the Perth Campus, you learn how to lay brick and block, the essential masonry skills, in the first two semesters of the three-semester program. But in addition to developing these core masonry skills, you have the opportunity to explore both ornamental masonry and fireplace construction in the second semester. And what sets this program apart from any other college masonry program in Canada is the focus on stone masonry in the final semester. You build dry-laid stone walls, repair and re-point stone masonry and learn how to build new stone walls, shaping and cutting the stone to fit. You practice the art of carving shapes for the decorative elements of interior and exterior stone work as well. Graduates of this program have skill sets that have landed them jobs in new construction, in renovation and repair of homes, working for Parks Canada in restoration work on heritage sites, and even working on the Parliament Buildings in Ottawa. At the end of this program, you can choose where you want to go in your masonry career.

Carpentry programs are typically focused on new construction with pre-fabricated materials and conventional applications. The Heritage Carpentry and the Advanced Housing programs develop these essential skills during the first year, while the second year provides additional specialized training to give you a competitive edge in the marketplace.

In Heritage Carpentry you learn traditional carpentry techniques, with a strong concentration on developing expertise in hand skills through the study and production of all the elements that make up a home such as moldings, stairs, doors, fireplace mantels and windows. You also have an opportunity to cut and raise a timber frame and practice log building. Because the practical projects are focused on traditional techniques used in joinery and restoration, graduates find themselves perfectly suited to the work found in building and finishing high end custom homes, restoring older homes, or producing finishes in millwork and joinery businesses. At the end the program, graduates can craft an entire home, starting right from a tree. When you finish the Carpentry and Joinery – Heritage program, you have the ability to think through complex carpentry problems and actually produce the solutions. If you like using your head and your hands and producing work of a high quality, you will enjoy this program.

If looking to the past is not for you, then the Advanced Housing program's future focus may hold more appeal.

The need to build better, more energy efficient homes is all too obvious in light of the cost of fuel and electricity. With a move to sustainable home construction, it is no longer feasible to build buildings the way that we once did. Today's homes must be built and engineered as a whole rather than the sum of their parts. Using the exact same materials employed in conventional houses, carpenters today can increase energy efficiency by up to 40% just by changing the way in which they are assembled and by applying a few of the principles which make buildings work well. In this two-year diploma program, the second year specializes in linking solid craftsmanship with building science to produce advanced homes. In the second year of the program, you actually build a high performance, cost effective, low-impact building for occupation by clients. Home number seven in the program was produced this year and can be seen at the PerthWorks site near the Perth fairgrounds. If you are looking for tomorrow's skills today the Construction Carpentry – Advanced Housing Program is for you.

These programs have a rich history and maturity at the Perth Campus, with the Heritage Carpentry program in its 23rd year. The experienced and dedicated faculty bring their own hands-on experience into the classrooms

and workshops and graduates have no difficulty finding work. Small class sizes ensure that you benefit from frequent one-on-one interactions with your teachers and ample access to tools and equipment. With the opening of a new Perth Campus building this fall, these programs will be hosted in outstanding shop spaces, a new dedicated trades lab, and modern, connected classrooms. Watch for the new Adaptive Reuse of Buildings graduate certificate program, launching in the fall of 2012 as a complement to these unique trades programs.



ALGONQUIN COLLEGE – PERTH CAMPUS



Early Childhood Education – New
Ontario College Diploma (45 Weeks)

Office Administration – Executive
Ontario College Diploma (45 Weeks)

Social Service Worker
Ontario College Diploma (2 Years)

Personal Support Worker
Ontario College Certificate (31 Weeks)

Masonry – Heritage and Traditional
Ontario College Diploma (45 Weeks)

Carpentry and Joinery – Heritage
Ontario College Diploma (2 Years)

Construction Carpentry – Advanced Housing
Ontario College Diploma (2 Years)

Continuing Education
Fall, Winter, and Spring Sessions

Open Doors Perth at the Perth Campus:
Wednesday Nights from 4 p.m. to 7 p.m.
July & August. No appointment necessary.

For more information or to book a tour,
please call 613-267-2859, ext 5601, or
email: perth@algonquincollege.com.

To apply, visit ontariocolleges.ca.

Spaces are still available for fall 2011 in all three Perth Campus specialty programs:
Construction Carpentry – Advanced Housing, Carpentry and Joinery – Heritage,
and **Masonry – Heritage and Traditional.**

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