

In the North, for the North!

### ***The movers and the shakers***

The PG Chamber of Commerce, Innovation Resource Centre and College of New Caledonia were all looking for ways to build technical and engineering education capacity in northern BC. ATEEC was formed by amalgamating these three existing initiatives because they were all moving in the same direction. With a dedicated group of people, the goal of ATEEC is to explore and advocate for technical education and assist with its implementation in the North, for the North.

### **INDUSTRY, ASSOCIATIONS & AGENCIES**

Many northern industries are involved including, but not limited to APEG BC, ASTTBC, First Nations Technology Council, Canfor Pulp, McElhanney Consulting, Allnorth Consulting, Terra Cognita Software Systems, National Research Council, SNC Lavalin, Telus and BC Hydro.



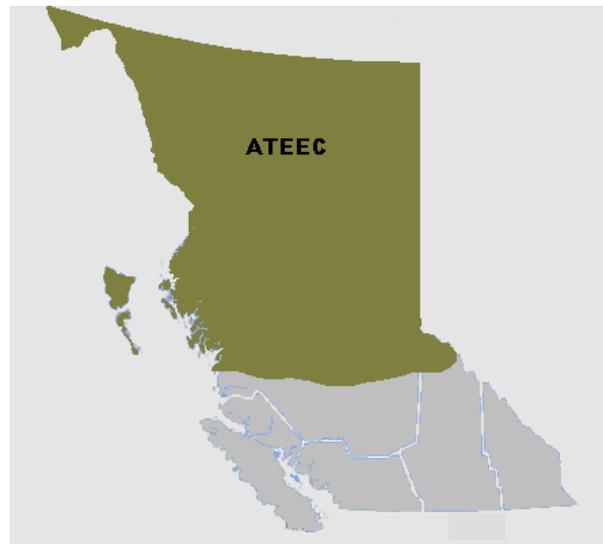
### **COMMUNITY**

Northern BC community organizations are encouraged to get involved! The PG Chamber of Commerce is chairing ATEEC with participation from various community organizations including Innovation Resource Centre, regional economic development agencies and municipal governments.



### **EDUCATION**

Educational Institutions are engaged: College of New Caledonia, Northwest Community College, Northern Lights College, school districts and University of Northern BC.



## Applied Technical and Engineering Education Consortium

For more information, visit

[www.ateec.ca](http://www.ateec.ca)

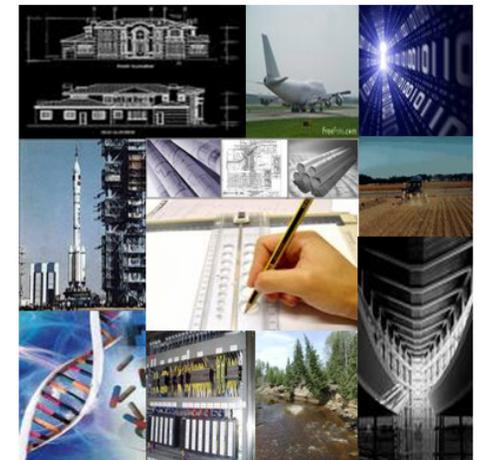
The Consortium is chaired by the Prince George Chamber of Commerce's President:  
Albert Koehler, Ph.D., P.Eng.  
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## Applied Technical and Engineering Education Consortium

# ATEEC

Exploring and advocating for technical education and assisting with its implementation in northern BC.



## Did You Know?

- Only 70% of students in northern BC graduate within six years of beginning high school
- In 2006/07 fewer than 20% of graduates in northern BC had credit for Chemistry 12
- And fewer than 12% had Physics 12

**What this means...** is that of 100 students in northern BC that enter grade 8, only 70 will graduate from grade 12, fewer than 14 will graduate with Chemistry 12 and only 8 will graduate with Physics 12.

Most science based educational opportunities at a college or university require these courses. By

not taking these classes, students are limited in their options.

Over the last five years, the percentage of northern BC high school graduates going directly to small colleges has increased, but there has been a significant decline in science and technology related program enrollment at colleges.

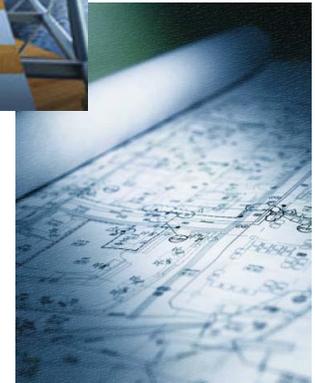
Now is the time to increase interest in, and awareness of, specific technology and engineering programs and to ensure program options are available for northerners at colleges and university in the north.

**Let's create our own capacity in northern BC!**



*Building bridges and mapping the way to technical & engineering education in northern BC.*

**Education  
Leads to  
Innovation**



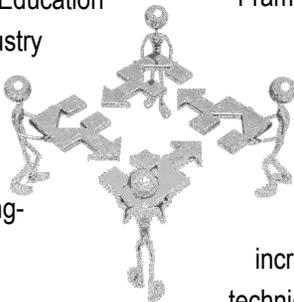
## Background

The Applied Technical and Engineering Education Consortium is a group of concerned industry and post-secondary education partners in northern BC. The current and anticipated shortage of skilled workers in technical fields, particularly engineering-related fields, is of great concern.

Employer demand and new initiatives in regional economic diversification are spurring this new pan-northern planning venture. **ATEEC believes that effective planning will support training and education in applied technical disciplines.**

### Phase I—Fall 2008

\*Specific technical skills labour shortages identified through an extensive supply and demand



research project, and northern focus groups

\*Framework for action developed and approved by ATEEC

\*Lobbying for resources begins

### Phase II— Starting 2009

Projects underway to:

\*Design and implement K-12 initiatives to increase student, parent and counselor interest in technical careers

\*Design and implement post-secondary certificate, diploma and degree programs in northern BC, based on identified labour shortages

\*Improve science-oriented graduation rates to support post-secondary and employment success

\*Improve access and success rates for Aboriginal students in technology-related programs and careers

\*Engage industry to support students through award programs, work experience and internships.

## Become a Friend of ATEEC

**To get engaged NOW** and demonstrate your support, become a member or a 'Friend of ATEEC'. More than \$90,000 has already been contributed by participating industry, community and education organizations to complete the required labour supply and demand study. The need for technical training in northern BC is evident and ATEEC wants to see something done as soon as possible. We have taken matters into our own hands to get the ball rolling.

Please visit the website [www.ateec.ca](http://www.ateec.ca) to see how you can get involved and receive updated information.