

# Assembly of First Nations – Engineers Canada

*Engineers Canada supports participation in programs designed to encourage Indigenous youth to enter science, technology, engineering, and mathematic (STEM) fields. The following Canadian programs are focused on increasing the number of Indigenous youth in post-secondary education. This is not an exhaustive list.*

## Colleges and Universities

### University of British Columbia

UBC is a comprehensive research university with a wide range of programs and concentrations specifically addressing Aboriginal topics and many courses with significant Aboriginal or Indigenous content. (<http://aboriginal.ubc.ca/programs>)

#### **Applied Science:**

UBC - Applied Science - the School of Community and Regional Planning (SCARP)

<http://scarp.ubc.ca/indigenous-community-planning>

Aboriginal Mineral Resource Centre

<http://mining.ubc.ca/amrc>

#### **Other:**

1. Faculty of Education: Native Indian Teacher Education Program (NITEP)  
Elementary and Secondary Options.  
[www.calendar.ubc.ca/vancouver/index.cfm?tree=12,202,320,945](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,202,320,945)
2. First Nations House of Learning: The First Nations House of Learning (FNHL) was established in 1987 to make UBC and its resources more accessible to BC's First People, and to improve the University's ability to meet the needs of Aboriginal students, staff, faculty and communities.  
[www.calendar.ubc.ca/vancouver/index.cfm?tree=6,232,699,0](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=6,232,699,0)
3. Centre for Excellence in Indigenous Health, Faculty of Medicine  
<http://health.aboriginal.ubc.ca>

### Royal Military College

RMC in Kingston, Ontario, offers the Aboriginal Leadership Opportunities Year (ALOY) which gives students/candidates a one-year educational and leadership experience.

[www.rmc.ca/ji-ir/alo-pil/index-eng.php](http://www.rmc.ca/ji-ir/alo-pil/index-eng.php)

## **Queens University**

Aboriginal Access to Engineering at Queen's University is committed to increasing the number of Aboriginal engineers in Canada. Details are available on the (FEAS) website.

<http://engineering.queensu.ca/IT/index.html>

Queen's University has a number of other programs accessible through the Four Directions website. [www.queensu.ca/fdasc/home](http://www.queensu.ca/fdasc/home)

## **University of Manitoba**

The Engineering Access Program at the University of Manitoba started with the mandate to improve the recruitment and retention of Manitoba First Nation/Metis/Inuit people into the Faculty of Engineering.

<http://umanitoba.ca/faculties/engineering/programs/engap/index.html>

## **McMaster University**

McMaster University offers diverse educational programming for indigenous students.

<http://indigenous.mcmaster.ca/about-the-program/degree-options>

More information on the Engineering and Society program can be found here:

[www.eng.mcmaster.ca/engandsoc/index.html](http://www.eng.mcmaster.ca/engandsoc/index.html)

In addition, the Faculty of Engineering offers programming for aboriginal youth through summer STEM camps, engineering and science weekend workshops, as well as an annual aboriginal STEM conference.

## **Conestoga**

Conestoga offers a variety of programs for First Nations clients.

<http://www.conestogac.on.ca/aboriginal-services>

## **Actua**

Actua's National Aboriginal Outreach Program supports the development and delivery of science, engineering and technology camps, workshops and community outreach initiatives to young Aboriginal Canadians. [www.actua.ca/aboriginal](http://www.actua.ca/aboriginal)

## **University of Guelph**

University of Guelph offers two youth camps to provide learning opportunities to youths from several communities in Ontario. <http://studentlife.uoguelph.ca/arc>

## **University of Calgary**

The University of Calgary's full range of programs for First Nations, Inuit, and Métis students is offered through the Native Centre. It includes recruitment strategies and an Aboriginal admission policy to increase access to post-secondary education, academic and wellness supports, events and programming, and mentoring.

[www.ucalgary.ca/nativecentre](http://www.ucalgary.ca/nativecentre)

## **University of Ottawa**

While the Faculty of Engineering does not offer a specific program of studies for indigenous students, the Faculty of Arts offers a Major / Minor in Aboriginal Studies:

[www.uottawa.ca/academic/info/regist/calendars/arts/EAU.html](http://www.uottawa.ca/academic/info/regist/calendars/arts/EAU.html)

Institute of Canadian and Aboriginal Studies:

[www.canada.uottawa.ca/eng/index\\_more.html](http://www.canada.uottawa.ca/eng/index_more.html)

## **Programs Available in French Only**

### **Cégep de l'Abitibi-Témiscamingue**

Les programmes de formation préuniversitaire sont de 2 ans ou de 4 sessions. Ils préparent l'étudiant à poursuivre un cheminement universitaire.

[www.cegepat.qc.ca/accueil/programmes-et-formations/programmes-et-formations](http://www.cegepat.qc.ca/accueil/programmes-et-formations/programmes-et-formations)

[www.cegepat.qc.ca/accueil/premieres-nations](http://www.cegepat.qc.ca/accueil/premieres-nations)

### **Université de Montréal**

L'objectif de ce volet est de sensibiliser élèves et étudiants autochtones à l'importance de leur cursus scolaire, au choix des carrières et à la fréquentation d'une institution postsecondaire, cégep et/ou université.

<http://seur.qc.ca/volet/jeunes-autochtones/le-volet-en-details-6>

### **Université du Québec en Abitibi-Témiscamingue**

L'UQAT propose des programmes respectueux des perspectives autochtones, forme une main-d'œuvre et des professionnels issus des Premiers Peuples et contribue ainsi à l'amélioration des conditions de vie des peuples autochtones.

[www.uqat.ca/services/premierspeuples/?m=programmes](http://www.uqat.ca/services/premierspeuples/?m=programmes)

[www.uqat.ca/universite/medias/communiques/index.asp?RefCom=995](http://www.uqat.ca/universite/medias/communiques/index.asp?RefCom=995)

# Engineering Regulatory Bodies

## APEGM

APEGM is a partner with the University of Manitoba, Faculty of Engineering to support ENGAP: Engineering Access Program for Aboriginal People.

<http://umanitoba.ca/faculties/engineering/programs/engap/index.html>

APEGM is also a partner with WISE – Women in Science and Engineering. This group does outreach to students, parents and teachers; recruiting girls and boys into a career in engineering and the sciences. Some of their outreach activities take place in First Nations communities across the province.

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

## APEGS

Has an Equity and Diversity Committee

[www.apegs.ca/Portal/Pages/Equity-Diversity](http://www.apegs.ca/Portal/Pages/Equity-Diversity)

APEGNB has a scholarship program for students at UNB of Aboriginal Ancestry

[www.apegnb.com/site/media/APEGNB/Graydon Nicholas Aboriginal Scholarship Application Form\\_KL.pdf](http://www.apegnb.com/site/media/APEGNB/Graydon_Nicholas_Aboriginal_Scholarship_Application_Form_KL.pdf)

[PEO also has an Equity and Diversity committee](http://www.peo.on.ca/index.php/ci_id/2239/la_id/1.htm)

[www.peo.on.ca/index.php/ci\\_id/2239/la\\_id/1.htm](http://www.peo.on.ca/index.php/ci_id/2239/la_id/1.htm)

## Further Information

Working Effectively with Aboriginal Peoples Blog:

[www.ictinc.ca/blog/embark-engineering-creating-engineering-careers-for-aboriginal-people](http://www.ictinc.ca/blog/embark-engineering-creating-engineering-careers-for-aboriginal-people)

For more information, or if you know of other programs that could be listed here, please contact Jamie Ricci, Practice Lead, Research, at [jamie.ricci@engineerscanada.ca](mailto:jamie.ricci@engineerscanada.ca).