

## Faculty Offering Programs in...

**Biosystems Engineering** – create new technologies for the well-being of humans and animals, and the preservation and enhancement of natural resources and the environment.

**Civil Engineering** – design and construct roads, bridges, airports, railways, harbours, buildings, tunnels, electrical generation plants, water supply and waste water treatment systems.

**Computer Engineering** – design, construct and operate all types of computer systems, including digital, embedded, novel signal and data processors, real-time operating systems and computer networks and controls.

**Electrical Engineering** – apply electronic and electromagnetic / optical design principles to create and build analog or digital devices, circuits and systems.

**Mechanical Engineering** – use the principles of mechanics, material science and energy to design machines and processes. This broad and diversified discipline includes the designing and building of transportation vehicles as well as, air conditioning and ventilation systems.

**A degree in engineering opens the doors to a variety of challenging and satisfying careers.**

### For Applications Contact:

Engineering Access Program (ENGAP)  
Room E2 - 442 Engineering Building  
Faculty of Engineering  
University of Manitoba  
Winnipeg, Manitoba R3T 5V6

Phone: (204) 474-9872 or

Toll Free (MB): 1-800-432-1960 ext. 9872

Fax: (204) 474-7518

Web Site: [www.engap.com](http://www.engap.com)

Email: [engap@umanitoba.ca](mailto:engap@umanitoba.ca)

or talk to your high school counsellor

**Application Deadline May 1<sup>st</sup>**

### Program Supported by:

Manitoba Education and Training  
Faculty of Engineering  
University of Manitoba

### ENGAP Scholarship/Bursary Funding Provided by:

Accutech  
Boeing Canada Winnipeg  
Engineering Endowment Fund  
Engineers Geoscientists Manitoba  
Hatch  
Lafarge Canada Inc.  
Manitoba Aerospace  
Manitoba Hydro  
Manitoba Scholarship & Bursary Initiative (MSBI)  
Petro Canada  
Price Industries Ltd.  
StandardAero  
Urban Systems  
Vector Construction Ltd.



University  
of Manitoba

# ENGineering Access Program



Providing a community  
of support for students  
of Indigenous ancestry

ENGAP is designed to provide Indigenous persons (First Nation, Non - Status, Métis and Inuit) with access to university studies in Engineering. ENGAP provides academic, social, and personal supports based on the individual needs of the student. Successful completion of the program leads to a Bachelor of Science Degree in Engineering. ENGAP is the most successful program of its type in North America.

ENGAP offers an opportunity for Indigenous students who may not meet the entrance requirements for engineering, by providing academic upgrading and support. Those students who meet the regular engineering requirements will be able to accelerate their program based on demonstrated ability.

## **ENGAP provides the following Services:**

### **Summer Term (Orientation)**

The summer term begins in August. Students are introduced to Mathematics, Computers, Engineering Design and University Study Skills.

**Benefits** of the summer term are the following:

- Important upgrading and review of essential material.
- Individual student programs of study for the fall term can be decided between the student and their advisor.
- The students have an opportunity to become familiar with the University's campus, policies and services.
- Builds community among the first year student body.

### **Academic Support**

- Individual academic advising with our Undergraduate Coordinator.
- Extensive upgrading in mathematics, physics, chemistry and computer programming.
- Free tutoring.
- Extended credit courses to better prepare students.

### **Personal Support**

- Individual and family counselling.
- Assistance with university adjustments.
- Housing and child care assistance.
- Exam stress management.
- Study skills.
- Student group to build community within the program.

### **Financial Support**

- Able to provide limited support through a scholarship and bursary program funded by our donors.
- Assist students in completing applications to obtain funding through their First Nation, Inuit and Métis funding programs.
- Assist students in completing applications to obtain scholarships and bursaries.

### **Career Support**

- Help students develop resume and cover letter writing skills.
- Conduct mock interview sessions to help develop interview skills.
- Provide summer and permanent Engineering job search assistance.