

WHAT IS THE ENGINEERING INDIGENOUS ACCESS PROGRAM (ENGAP)?



ENGAP PROVIDES AN opportunity for students of Indigenous ancestry, who may not have had access to the necessary resources, to obtain the prerequisites required to get into, prepare for, and succeed in the Faculty of Engineering. Through its warm and supportive community and staff, ENGAP offers its students a home away from home.

DID YOU KNOW?

Less than one per cent of engineers in Canada are Indigenous and there is more and more demand for engineers with an Indigenous background!

The ENGAP program at the University of Manitoba is the most successful of its kind in Canada, with more students and graduates than all other programs combined! The program celebrated its 30th anniversary in 2015 and has well over 100 graduates.

Numerous scholarships and bursaries are available to ENGAP students.



umanitoba.ca/engineering

What choices do I have as an ENGAP student?

As with other engineering students, the choice of program (Biosystems, Civil, Electrical & Computer, or Mechanical) is made after completion of first-year courses, and specialties can be selected later in the program.

ENGAP students typically complete their engineering degree in five or six years, but it is possible for students to complete it in four.



Faculty of
Engineering



UNIVERSITY
OF MANITOBA

TRAILBLAZER CHALLENGER VISIONARY INNOVATOR ADVENTURER REBEL TRAILBLAZER

REBEL PIONEER CREATOR EXPLORER DEFENDER TRAILBLAZER CHALLENGER VISIONARY INNOVATOR ADVENTURER REBEL PIONEER CREATOR EXPLORER DEFENDER TRAILBLAZER CHALLENGER VISIONARY INNOVATOR ADVENTURER REBEL PIONEER CREATOR EXPLORER DEFENDER TRAILBLAZER CHALLENGER



What are the advantages of being an ENGAP student?

ENGAP provides a number of custom support mechanisms to help the Indigenous student: academic support, counseling (personal, family, or cultural and isolation issues), resumé and job search advice, and assistance in obtaining financial support, accommodations or other services. ENGAP students receive the same degree as other engineering students while enjoying special social activities and supports designed to help students derive a sense of community within the Faculty of Engineering.

The introductory courses help prepare ENGAP students for rigorous engineering courses. Engineering is challenging for all students, and the academic support mechanisms available to ENGAP students are envied by the other engineering students. Comfortable group study space is available, and an undergraduate coordinator and tutors help with any areas of academic difficulty.

What are typical courses?

ENGAP is not a special degree; there is no difference in the curriculum or degree of an ENGAP student. However, a two-week summer orientation with refresher courses in math and computer skills, as well as study and writing skills, help students in the transition to university. Students who have been away from high school, or did not have access to a rigorous program at the high school level, may be required to take additional introductory courses in math, physics, computer science and chemistry to prepare them for first-year engineering courses. ENGAP students study all other courses in the regular engineering program of their choice.

What is the advantage of studying engineering over other professions?

Class sizes in the Faculty of Engineering are much smaller than in Arts or Science, and are taught by top-rated professors. Engineering is a professional undergraduate degree, and engineers are paid well, even in the four year pre-professional work experience of Engineer-in-Training (EIT). Engineering is more than just ideas, it is the practical application of those ideas for the betterment of society.

Why should I study at the University of Manitoba?

The University of Manitoba offers a full range of academic programs and specialized services geared towards Indigenous students, including Access and Indigenous Focus Programs. We strive to ensure that First Nations, Metis and Inuit values are acknowledged, embraced and infused into university life. Each year, over 2,000 Indigenous students attend the University of Manitoba, and many Indigenous graduates return to their communities as leaders and role models.

Migizii Agamik (Bald Eagle Lodge) is the central gathering place in the heart of our Indigenous community. The positive learning environment is focused on Indigenous values, cultures and traditions and features a student lounge, study areas, computer lab and kitchen area that is available 24/7 to members.

For more information on the supports, services and programs offered to Indigenous students please see the following website: umanitoba.ca/indigenous/

HOW DO I GET IN?

People of Indigenous ancestry (Status, Non-status, Inuit, or Metis) with a strong aptitude in math, physics, and chemistry, and some high school education in these areas are encouraged to apply. All students with an Indigenous background studying engineering at the University of Manitoba are eligible to be a part of ENGAP.

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