ASSINIBOINE
COMMUNITY COLLEGE

CIVIL TECHNICIAN
(One Year (12 months) Post-Secondary Program)

Please read and think about the following information below carefully to decide whether this program is a good fit for you. This information may change and is simply intended to offer you a helpful perspective on what you will experience in this program.

Orientation:	Final week of August (**Required** for all students)
Program Dates: **Post-Graduation**	First week of September through end of August.
Work Permit:	up to 12 months.
Scheduled Breaks:	Last week of December and first week of January (two weeks); first week of March (one week). Check your registration for exact dates.
Schedule:	Monday to Friday as early as 8:00 a.m. and as late as 6:00 p.m., 6-7 hours of class each day.
Location:	1430 Victoria Avenue East, Brandon, Manitoba. See campus information here.

What You'll Study:

Learn the basics of civil engineering technology: bridges, highways, dams, parks, sewer systems. Develop skills in computer-aided design (CAD), land and construction surveying, drafting, and basic design concepts for residential construction. Develop your problem-solving skills with "real world" examples. Perfect your abilities in related algebra, geometry and communications.
See course descriptions here under "Courses and Costs".
See PDF document on this page.

How You'll "Learn By Doing":

Apply your learning and skills in classrooms, specialized computer labs and the outdoors.
You will need to be **very** comfortable with the Windows operating system and able to learn **new** software programs and other technology, quickly and correctly. If you have doubts, try Quizzes here: https://www.digitalliteracyassessment.org/ If you score less than 90% in these quizzes, Civil Technician may *not* be a good choice for you.
For some course activities, you'll be outside "in the field", sometimes in unpleasant weather or noisy conditions.
In Spring/Summer term, you will practice your new skills in a paid related co-operative work placement (generally 16 weeks/480 hours minimum). College staff will *assist* you to find this placement, but *cannot guarantee* one; **you** must demonstrate to an employer why they should hire you.

What You'll Need To Do to Graduate:

- **Attend all classes** and activities; arrive on time every day. Do **not** plan vacation/a trip home outside of regularly scheduled college breaks.

- **Purchase all required books and supplies**, including safety equipment.
- **Work co-operatively in teams and behave respectfully** to all students, staff and partners.
- **Manage physical demands** like walking a long distance, often on rough/uneven land, or lifting equipment into a vehicle.
- **Pass all courses with a** C (60%) minimum. Re-testing is generally not an option. If you fail a course, it may not be available again until the following year.
- **English only during class.** All English skills (reading, writing, listening, speaking) are important. Evaluation could include tests, group projects, presentations, public events and research papers.
- **No personal cell phone use during class.**
- **Do your own work**. Cheating, not referencing sources of your ideas, or using other people's work (current or previous) could result in failing grades, probation or suspension. See Policy A25 from this Academic Policies link.
- **Ask for help** when you need it!

How College Can Help You

- Trained instructors will share their knowledge and experience from the industry, and will give you frequent and specific feedback on your progress.
- Learning Commons staff available to assist with study skills, like test-taking and writing papers.
- Student advising staff offer support for academic planning and can refer you to resources outside the college such as counselling, housing, and other supports.
- A Regulated International Student Immigration Advisor can answer questions related to permits.

Job Options for Graduates

Graduates find jobs with consulting engineering and architectural firms, construction and development companies, inspection and testing agencies, manufacturers, fabricators and material suppliers, as well as with various departments of municipal, provincial and federal government services.
***Possible* in-demand occupations:** 2231 Civil engineering technologists and technicians, 2253 Drafting technologists and technicians
Many jobs will require working outside, sometimes in unpleasant weather.
Some jobs will require evening and weekend work and/or long hours of work, especially in the spring/summer/fall months.
NOTE: It will be important to have a valid Manitoba **driver's license**. Many jobs will be outside of the city's bus system. See information here.
Many job opportunities will be outside of a city, in a smaller town or rural area.

Costs:

Tuition: see website and letter of acceptance.
Health insurance: All international students will **require** health insurance. Cost approximately $1000.
Textbooks, tools and supplies: See lists here; click on the "Tools and Supplies" tab. Purchased on your own, not payable to college. **Required** early in program.
You may require access to **computer devices** at home and/or be required to bring these on campus. Read assiniboine.net/tech for more detailed information for this program. Any required computer equipment that you do not own now will be another cost.
Clothing and footwear: you may need to purchase new footwear and/or warm and rainproof clothing for outdoor activities.
Transportation and living costs are your responsibility.

Other important information:

Co-op work permit will be required by Immigration, Refugees and Citizenship Canada before you start the co-op work placement. Apply for this **early,** as processing time is very long!
Some activities will be outside; the weather could be cool or windy or rainy. You could be walking a long distance on uneven ground and in fields of dirt or crops. There could be insects. You will need comfortable and warm shoes/boots and clothing.
Further education or professional designations: click "Careers and Connections" on program webpage.