**ASSINIBOINE**
COMMUNITY COLLEGE

# COMMUNICATIONS ENGINEERING TECHNOLOGY
(Two Year Post-Secondary Diploma Program, option to exit with certificate after Year 1)

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:**          First week of September through end of April each year.

**Post-Graduation**
**Work Permit length:**     Diploma: up to 3 years; Certificate: up to 8 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 to support the design, development and repair of communication systems, such as voice, video, data, wi-fi and Bluetooth. Develop the skills necessary to create, manufacture, install and analyze different types of communication technologies.
Study and practice with various circuits, systems, equipment and computer networks and programs.
Perfect your abilities in related mathematics and writing skills.
See course descriptions here under "Courses and Costs".
See PDF document on this page.

**How You'll "Learn By Doing":**

Combine theory with real-world applications.  Much of the program will be "hands-on", solving problems and analyzing "real-world" uses of the equipment and systems in specialized labs and classrooms.
Frequently work in teams on projects.
In Year 2, you will "tie together" your learning by researching, designing and developing a wireless telecommunications related project. These projects are sponsored by industry partners/businesses. Students prepare a formal report and presentation, documenting the design and testing process.
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, Communications Engineering Technology may *not* be a good choice for you.

**Job Options for Graduates**

Graduates find jobs as engineering technologists in the communications industry in areas such as computer-aided design, electronic design and repair, computer programming, network design, communication systems installation or design or project management.
For more information, click "Careers and Connections" on program webpage.
Assiniboine has an on-campus student branch of the Institute of Electrical and Electronic Engineers (IEEE) — a network of college and university students and industry professionals.
*Possible* **in-demand occupations:** 2241 Electrical and electronics engineering technologists and technicians, 2242 Electronic service technicians (household and business equipment), 7246 Telecommunications installation and repair workers.

**What You'll Need To Do to Graduate:**

- **Attend all classes**, activities and field trips; arrive on time every day.  Do **not** plan vacation/a trip home outside of regularly scheduled college breaks.
- **Purchase all required books and supplies**.
- **Work co-operatively in teams and behave respectfully** to all students, staff and partners.
- **Manage physical demands** like working with small circuits/tools as well as large equipment.
- **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 will 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.

**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.