



STUDENT HANDBOOK



MANITOBA INSTITUTE OF
TRADES & TECHNOLOGY

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GENERAL INFORMATION

LOCATION

The PTEC streams of the Software Developer and Cyber Defence and Cloud Administration programs will be delivered in an online/blended format. In-person classes will take place in our state-of-the-art IT facility on the second floor of MITT's Henlow Campus.

Some course components may be delivered remotely. Instructors will provide students with access instructions as required.

CLASS TIMES

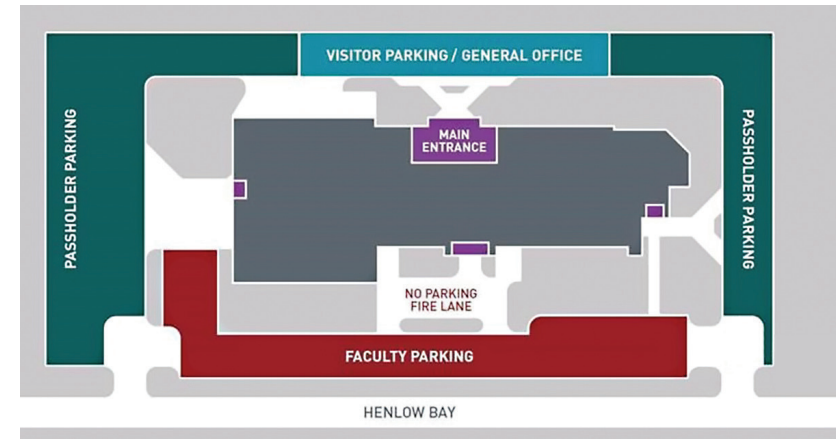
	Cyber Defence and Cloud Administration Stream	Software Developer Stream
Grade 11	Host High School in AM	Host High School in AM
	12:30 PM - 3:30 PM Room HNL 210	12:30 PM - 3:30 PM Room HNL 206
Grade 12	8:30 AM - 11:30 AM Room HNL 210	8:30 AM - 11:30 AM Room HNL 206
	Host High School in PM	Host High School in PM

TRANSPORTATION

Bus transportation for PTEC students has been arranged through Pembina Trails School Division. Students who want to use their own transportation can purchase a student parking pass or park on the street.

MITT's passholder parking stalls are monitored by Impark. Student parking is \$25 a month, and there is a \$25 non-refundable decal fee and a \$25 refundable decal deposit due at the time of set up. To sign up for parking, please visit the [Impark website](#).

PARKING MAP



LOCKER RENTAL

Student lockers are available to PTEC students at no cost to the student. Depending on demand, each locker may be assigned to two students.

Lockers are assigned on a first-come, first-served basis and are provided for the duration of the student's program.

To sign up for a locker, please visit the Henlow Campus general office.

NOTE:

- Renting a locker can be done at any time during your program, depending on availability. A student ID card or Letter of Acceptance with government-issued ID is required when requesting a locker rental.
- Students must provide their own lock.
- Students who have already rented a locker may be required to partner with another student if single-student lockers are limited or sold out.
- Any students occupying a locker without having signed up may have their lock cut and belongings removed.
- Students must purchase their own lock and take responsibility for the security of their belongings at all times. MITT is not responsible for loss or theft of property stored in lockers and will remove all property stored beyond a student's last day of classes.
- Lockers remain the property of MITT and are used by students with MITT's permission. MITT reserves the right to remove locks and search lockers at the discretion of MITT Management.

LOST & FOUND

The general offices at each MITT campus building accept items found on MITT property. Identification may be required before items are returned to their owners and MITT reserves the right to dispose of unclaimed items periodically throughout the year.

COURSE LISTINGS*

SOFTWARE DEVELOPER STREAM

GRADE 11

Introduction To Web Development
 Javascript Basics
 Object Oriented Javascript
 Introduction To Third-Party API's
 Tools And Automation
 Introduction To React
 Technical Writing Skills

GRADE 12

Algorithms and Data Structures
 Object-Oriented Programming Fundamentals
 Introduction to LINQ and ASP.Net MVC
 Rational Database Design
 Advanced Database and ORM Concepts
 Advanced Topics in C#
 Introduction to Number Systems and Desktop Applications
 Unit Testing in .Net
 Software Engineering and Design Patterns
 Personal Brand & Career Management
 Communication & Presentation Skills

SUMMER INTERNSHIP (AFTER GRADE 12)

Please visit mitt.ca/sd-course-info for complete course descriptions

**Courses are subject to updates and not necessarily offered in the order listed above; delivery order may be altered by the instructor depending on the needs of the class.*

CYBER DEFENCE & CLOUD ADMINISTRATION STREAM

GRADE 11

A+ IT Essentials

Cisco CCNA I: Introduction to Networks

Cisco CCNA II: Switching, Routing, and Wireless Essentials

Cisco CCNA III: Enterprise Networking, Security & Automation

Red Hat Linux System Administration I

GRADE 12

System Administration I: Windows Server Fundamentals

System Administration II: Azure Fundamentals

Network Security

System Messaging Administration

Network and Systems Administrator Capstone

GRADUATION PATHWAYS FOR STUDENTS IN THE CYBER DEFENCE AND CLOUD ADMINISTRATION STREAM

Students in the Cyber Defence and Cloud Administration stream have two options at the end of Grade 12:

(1) Graduate with the **Network and Systems Administrator Certificate**.

Students who choose this option will complete a **Summer Internship after Grade 12** and will exit MITT upon completion.

(2) Continue into the Cyber Defence and Cloud Administration Post-Secondary Program and graduate a year later with the **Cyber Defence and Cloud Administration Diploma**. Students who are interested in specializing further in the fields of cyber defence and cloud administration may choose to return to MITT for an additional 10 months of full-time post-secondary education. The post-secondary program also ends with an internship experience so that all students graduating with an MITT credential have achieved practical applied experience with a local industry partner.

Students will be asked to indicate their preference at the start of Grade 12.

For course names and listings in the Cyber Defence and Cloud Administration program, consult our website at: mitt.ca/cdca-course-info.



STUDENT RESOURCES, SERVICES, & LIFE

While studying at MITT, PTEC students are able to take advantage of the complete college experience. Whether you are looking for additional supports during post-secondary studies, hoping to engage with fellow post-secondary students in extra-curricular activities, or seeking information about your career after school, MITT offers this to all its students - including PTEC.

STUDENT SERVICES

While at MITT, PTEC students can access the MITT-offered services below. However, given the unique dual life of PTEC students, a student seeking support may wish to contact their host high school counselor or the PTEC principal as a first point of contact.

The MITT Student Services team provides academic, personal, and career supports to future and current MITT students. These are MITT staff that students can connect with when they need help, or have questions about how to plan and be successful in their MITT program.

To book an appointment with a member of the Student Services team, please

Contact Student Services: 204-989-6512 or studentservices@mitt.ca

STUDENT SERVICES OFFERS THE FOLLOWING SUPPORTS:

Accessibility Services	MITT Social Worker
Student Advising	Learning Assistance
Indigenous Student Advising	

For more information on these services, visit our website: mitt.ca/student-services

STUDENT LIFE

There are many ways you can connect with employers, develop friendships, build your skills, and gain professional experience during your time at MITT. Volunteering, participating in student groups or creating your own, learning about other cultures, building community in Winnipeg, or networking with industry leaders are some of the ways you can enhance your experience and build your resume.

Every month, information and announcements on events and activities happening at MITT can be found in The Current, MITT's student e-newsletter, as well as on the monitors and announcement boards around campus.

The Current is MITT's student e-newsletter. Here, you will find details about events, sports, stories, and activities happening at MITT and around Winnipeg. Students are encouraged to submit ideas, announcements, and content by emailing thecurrent@mitt.ca. The e-newsletter is distributed by email at the beginning of each month; watch for it in your inbox.

MITT VOLUNTEER PROGRAM (MVP)

Gaining experience outside of the classroom is just as important as your formal studies. MITT offers students volunteer opportunities on and off campus at different events throughout the academic year. Students participating in MVP receive a monthly summary of volunteering opportunities. The program is based on an hour-tracking system that offers different levels of recognition. The more you volunteer, the better the perks!

For more information contact volunteer@mitt.ca.

STUDENT GROUPS

MITT INDIGENOUS STUDENT'S CIRCLE

MITT's Indigenous Student's Circle (ISC) is located in the Aazhogan Aboriginal Student Centre and is open to all students who wish to participate in Indigenous cultural events and share similar experiences while attending MITT.

For more information contact ryan.bruyere@mitt.ca.

MITT WOMEN IN TRADES AND TECHNOLOGY (WITT)

WITT is a great way for women at MITT to network and gain workplace skills relevant to their chosen profession. The group meets regularly throughout the year and organizes activities, including meetings and professional development opportunities with guest speakers and groups relevant to women entering careers in the trades and technology sectors. For more information contact delvinder.kaur@mitt.ca.

Students are encouraged to form groups to facilitate events and activities that enhance their time at MITT. If you are interested in starting a group, email volunteer@mitt.ca for more information.

MITT PRIDE

MITT Pride welcomes LGBT2SQIA+ (lesbian, gay, bisexual+, transgender, Two-Spirit, queer or questioning, intersex, asexual/aromantic, and all other marginalized identities under our diverse umbrella of gender identities and sexual orientations). We strive to empower these students by providing opportunities to socialize, support each other, and create a safer and more accepting school community. Pride allies (straight, cisgender students who are committed to supporting LGBT2SQIA+ people and learning about the issues we face) are welcome to participate and join. The group is shaped by student input and facilitated by a staff member who is also a member of the community.

If you have questions about the group's meeting schedule and activities, or would like to be added to our email list, contact MITT Pride at pride@mitt.ca.

STUDENT SPACES

AAZHOGAN ABORIGINAL STUDENT CENTRE

The Aazhogan Aboriginal Student Centre at the Henlow Campus is MITT's meeting place for First Nations, Inuit, and Metis students. The Centre is a smudge-friendly zone and a place to find support, study, or spend time socializing with friends and classmates.

STUDENT SUCCESS CENTRE

The MITT Student Success Centre is located in the centre of the Henlow Campus and is home base for all of MITT's student advising services. It is also where students can go for access to computers, printing services, and a quiet study area.

STUDENT RELAXATION ZONE

Across the hall from the Student Services Centre is the Student Relaxation Zone. This is a dedicated space for students to socialize, play foosball, watch television, or simply relax and meet with their friends.



OTHER STUDENT PERKS

CAFETERIA

The MITT cafeteria offers a variety of food options for breakfast, lunch, and dinner. All meals are prepared by our Culinary Arts students.

Breakfast: 8:00 am – 10:00 am

Breakfast specials, egg sandwiches, fresh fruit, fruit parfaits, baked goods. Price range: \$3 – \$8.

Lunch: 11:30 am – 1:00 pm

Lunch specials, soup, stir-fry, pasta, salad, sandwiches, baked goods. Price range: \$8 – \$10.

Afternoon Snack: 1:45 pm – 2:30 pm

Onion rings, fries, poutine, chicken fingers, chicken wings, smoothies. Price range: \$3 – \$8.



CAREER DEVELOPMENT SERVICES

PTEC students are getting the best of both worlds! MITT and PTEC have partnered with Tech Manitoba to offer industry-driven mentorship opportunities to PTEC students, which culminates in an internship opportunity at the end of your classes.

In addition to this PTEC-specific opportunity, MITT offers Career Development Services for all current students and alumni.

CAREER ADVISING

We assist current students and alumni with all aspects of career planning. Whether MITT is the start of your career path, or your next step on a longer career journey, we can help you plan for career success.

EMPLOYMENT ADVISING

Whether you need help developing your resume or want to practice before an important job interview, we can help. We also offer current students and alumni our expertise in job search strategies that help lead you to employment success.





STUDENT POLICIES & MITT EXPECTATIONS

MITT policies ensure that every member of the MITT community can learn, study, and work within an environment of professionalism and respect. By enrolling in studies at MITT, students are expected to act in compliance with all Institute policies, rules, and regulations. Students found to be in violation of MITT policies, rules, or regulations will be subject to disciplinary action as outlined in the appropriate MITT policy. MITT will work in collaboration with Pembina Trails School Division should a disciplinary issue arise. A complete list of MITT policies can be found [here](#).

STUDENT BEHAVIOUR

MITT expects students to conduct themselves in a responsible, professional manner while on campus, and at all times while representing MITT. MITT instructors and staff, along with students, must work together to ensure a professional and collegial learning environment which is safe, inclusive, and supportive of learning. Inappropriate behavior which disrupts other students or staff will result in disciplinary action under the [MITT Student Discipline Policy](#). MITT reserves the right to reprimand a student or to impose a suspension or expulsion from studies at MITT.

ACADEMIC STANDARDS

MITT is committed to facilitating successful student progression through their program while also upholding academic rigour. A Course Outline will be provided to students at the start of each course and the Course Outline will specify what is expected of the student to pass the course. Students have a responsibility to familiarize themselves with all information contained in the Course Outline. Instructors have authority to set appropriate evaluation methods and accept or deny extension requests. Students can expect their assessment items to be graded and returned within 10 business days of their submission.

WORK CONNECTIONS EMPLOYERS

Job postings we receive from employers will be conveniently emailed directly to students in the related MITT program. Make sure your email address is current in the MITT portal to receive these emails.

PARTNERSHIP WITH TECH MANITOBA

MITT, PTEC, and Tech Manitoba have partnered together to connect students with leading experts and mentorship experiences in their chosen streams. At MITT, we build upon the foundation of this mentorship that starts in Grade 9 and culminates in an internship experience following the end of classes. Each year, PTEC students will engage in mentorship experiences that will help them develop the soft skills to complement their technical skills ultimately enabling them to develop into a career-ready PTEC graduate!

A student who does not successfully meet the required outcomes of a course (e.g., does not achieve a passing grade) will be suspended from studies. In these situations, MITT will work with the PTEC Principal to find a solution that best meets the needs of the students while also maintaining the progression requirements of the program.

COMPUTER USAGE

Students are expected to conduct themselves at all times in a professional and respectful manner when accessing or using any MITT computing hardware, software, or network resources. Any computing resource provided by MITT is expected to be used for purposes related to MITT programs, or for appropriate personal use. The same is expected and required of privately owned computers and phones being used on-campus or connected to an MITT network, as well as computing equipment used at a work practicum or co-op site.

ATTENDANCE

Students are expected to demonstrate their academic commitment by attending class regularly and participating in all class activities. Students and parents/guardians are responsible for managing the student's attendance within the framework of the [MITT Attendance Policy](#). MITT expects students to understand and accept the consequences of absenteeism.

MITT expects PTEC students or parents/guardians to report an absence to their instructor prior to missing class, if possible, or as soon as possible after class.



ACADEMIC INTEGRITY

MITT has a responsibility to ensure that all grades earned and displayed on a student's academic record are true representations of the knowledge and skill level achieved. This also includes any admissions or registration information contained in the student record, as well as any other document submitted by a student for official purposes.

Academic dishonesty in any form is unacceptable. Academic dishonesty includes, but is not limited to: cheating, plagiarism, fraud or fabrication, inappropriate collaboration, and impersonation. Students found to be in violation of the [Academic Integrity Policy](#) will be subject to disciplinary action under the [MITT Student Discipline Policy](#).

DRUGS & ALCOHOL

While the Institute aims at being supportive to personal issues which may contribute to drug or alcohol issues, MITT must ensure the safety of staff and students at all times and has a responsibility to ensure that no illegal, or potentially damaging behaviours are taking place on-campus or while representing MITT. Any incident involving the possession, distribution, consumption, or being under the influence of drugs or alcohol will be reported to PTEC.



FREQUENTLY ASKED QUESTIONS

Below are the answers to some commonly asked questions about the PTEC program at MITT. If you have a question that is not answered below, please do not hesitate to contact the program via the information on the last page of this booklet.

1. Do MITT grades show up on Pembina Trails School Division report cards?

No. The courses that PTEC students take at MITT are registered with the provincial Department of Education as high-school/post-secondary dual credits. This means that the course names will show up on divisional report cards with an indication of whether the credit was achieved or not. Specific grades will appear on official MITT transcripts that are sent to graduates upon the completion of the program. Interim grades are available and communicated to students via MyLearning and MITT’s Student Portal. Contact an MITT instructor for more details.

2. Do PTEC students get report cards?

Yes and no. Twice a year (once per semester) parent(s)/guardian(s) will receive a Progress Report with the final grades in the completed courses up to that point in time. Unlike secondary report cards, mid-course grades will not be present on these reports. Only final grades in courses that have been completed will be included.

At the end of each academic year, parent(s)/guardian(s) will receive a copy of the official transcript with the final official grades for all completed courses.

At the end of the program, students will receive their official transcript as part of their graduation package. Transcripts can also be requested at any time for a fee.

NOTE: The above is only true while students are enrolled in the PTEC program while in high school. If students opt in to PTEC +1, no progress reports or transcripts will be sent automatically except the one to the student upon program completion.

3. What happens if a PTEC student fails a course at MITT?

Because MITT is a program-driven institution, students are enrolled at MITT in a specific program, rather than course-by-course. Most courses in a particular program are pre-requisites for a subsequent course in the program. All courses are pre-requisites for the practicum/internship. In order to avoid placing a student in a

course without the necessary skills to be successful, students who do not meet the required grades to pass a course may be suspended from their program. In such cases, MITT will work with the student, the PTEC Principal, their host high school, and parent(s)/guardian(s) (as appropriate) to develop a solution that meets the needs of the student.

4. Can a PTEC student withdraw from the program once they’ve started at MITT?

Yes. Students can withdraw from the program at any time, but there are natural “exit points” that align with the secondary school schedule that may prove better times to withdraw. A student that is considering withdrawing should connect with the PTEC Principal to discuss the impact on their program progression.

5. What happens when a PTEC student withdraws from the program at MITT?

Any course that the student has successfully completed will be awarded as a credit on both their MITT and high school records. Students should connect with the PTEC Principal to discuss how this may impact their high school studies. Courses that are in-progress at MITT at the time of withdrawal will appear on their MITT Transcript as either a W or a final grade, depending on the progression through the course. Consultation with their MITT instructor and/or the PTEC Principal is recommended in these situations.

6. What are the technical specification recommended/required for the PTEC programs at MITT?

Both streams have the same specifications. See table below. There is no necessary software to purchase. Any required software will be set-up in class with instructor guidance.

Component	Minimum Requirements	Recommended Requirements
Laptop/Desktop	8GB RAM, Intel Core i5 or equivalent, 500 GB (or greater) drive HDD, Webcam built in or external	16GB RAM, Intel Core i7 or equivalent, 250 GB (or greater) drive SSD, Webcam built in or external
Headphones	Wired/Wireless with microphone	
External SSD drive	250 GB (or greater)	
Mouse/Keyboard	Wired/Wireless	Ergonomic
Operating System	Windows 10 or greater (Other operating systems will be incompatible with most content)	

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

CONTACT INFORMATION

Instructor, CDCA Stream

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MITT General Phone

204 989 6500

PTEC Principal

Jane Bachart | jbachart@pembinatrails.ca

PTEC General Email

PTEC@pembinatrails.ca

Websites

mitt.ca

pembinatrails.ca/earlycollege





Tech Manitoba is a member-based association that helps companies thrive and grow through collaboration, education, and promotion. We bring people together to share skills, explore ideas and build a strong community.

Working in collaboration with PTEC and MITT, Tech Manitoba bridges the vital industry to student connection by providing mentor support, internships, and workplace learning via our tech membership base.

To learn more & get involved visit:
techmanitoba.ca

MITT.CA