Pembina Trails Early College (PTEC)
Grade 9

LOCATION

At Pembina Trails Collegiate (PTC) all day.

PTC COURSES

PTC
PEMBINA TRAILS COLLEGIATE

Core courses;
LWE 10S, ELA 10F, SCI 10F, SSCCW 10F, MATH10F, PE 10F, for a total of 6 credits.

PTEC COURSES

PTEC

Pathway courses:
CS20S,CS30S, BUSINN10S, IM35S (0.5 Credit), MOD35S (0.5 Credit) for a total of 4 credits.

PTEC MENTORSHIP

TECHMB

In collaboration with Tech Manitoba, students will have presenters from industry talk about career paths.
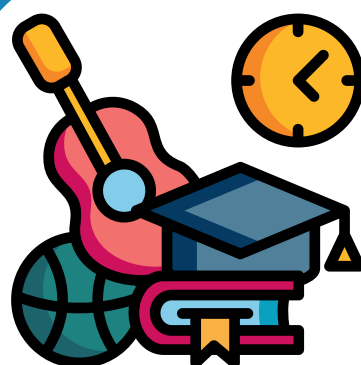
ELECTIVE COURSES

PTEC programming pathway electives fill student schedules.

EXTRACURRICULARS

Cyber Patriot, sports teams, school clubs, school leadership and advisory councils and much more....

Pembina Trails Early College (PTEC)
Grade 10

LOCATION

At Pembina Trails Collegiate (PTC) all day.

PTC COURSES

Core courses; LWE 20S, ELA 20F, SCI 20F, GEOIC20F, Math (MIAP20S or MPC20S or MES20S), PE20F, for a total of 6 credits.

PTC
PEMBINA TRAILS COLLEGIATE

PTEC COURSES

PTEC

Pathway courses: EET20G, CS40S, ABT40S,VENDEV30S, ANI35S (.05 credit), DP35S (0.5 Credit) for a total of 5 credits.

PTEC MENTORSHIP

In collaboration with Tech Manitoba, students will have presenters from industry talk about career paths.
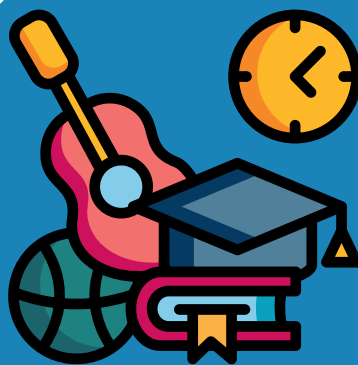
TECHMB

ELECTIVES COURSES

PTEC programming pathway electives fill student schedules.

EXTRACURRICULARS

Cyber Patriot, sports teams, school clubs, school leadership and advisory councils and much more....

Pembina Trails Early College (PTEC)
Grade 11

LOCATION

AM - Pembina Trails Collegiate (PTC)
PM - Manitoba Institute of Trades and Technology (MITT)

PTC COURSES

Core courses; ELA 30S/HIST30s, Math (MIAP30S or MPC30S or MES30S), PE30F, for a total of 4 credits.

PTC
PEMBINA TRAILS COLLEGIATE

MITT COURSES

MANITOBA INSTITUTE OF TRADES AND TECHNOLOGY

Cloud and Network Technician: NSA-500, NSA-510, NSA-520, NSA-530, NSA-540 OR
Full-Stack Developer: SD-400,SD-410, SD-420,SD-430, SD-440, SD-450 for a total of 4 credits.

PTEC MENTORSHIP

Work with mentors from industry on mock interviews, Tech-focused resumes, and portfolio building to stand out in the industry.
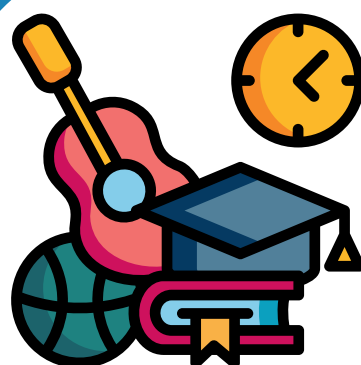
TECHMB

ELECTIVE COURSES

A slot for one/two elective courses, subject to course availability and scheduling.

EXTRACURRICULARS

Cyber Patriot, sports teams, school clubs, school leadership and advisory councils and much more....

Pembina Trails Early College (PTEC)
Grade 12

LOCATION

AM - Manitoba Institute of Trades and Technology (MITT)
PM - Pembina Trails Collegiate (PTC)

PTC COURSES

Mandatory courses;
ELA 40s, Math (MIAP40S or MPC40S or MES40S), PE40s for a total of 3 credits
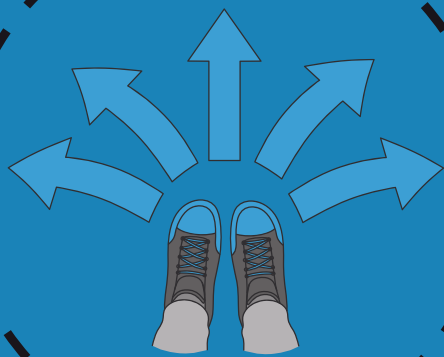
PTC

PEMBINA TRAILS COLLEGIATE

MITT COURSES

MANITOBA INSTITUTE OF TRADES AND TECHNOLOGY

Cloud and Network Technician: NSA-600, NSA-610, NSA-620, NSA-630, NSA-640 OR
Full-Stack Developer: SD-500, SD-510, SD-520, SD-530, SD-540, SD-550 for a total of 4 credits

PTEC MENTORSHIP

Work with mentors from industry on mock interviews, Tech-focused resumes, and portfolio building to stand out in the industry.
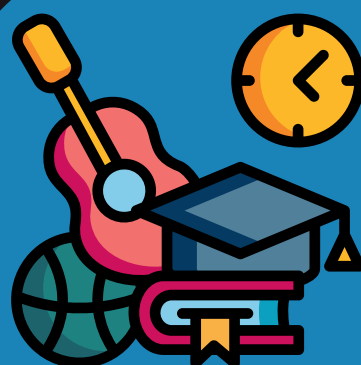
TECHMB

ELECTIVE COURSES

A slot for one/two elective courses, subject to course availability and scheduling.

EXTRACURRICULARS

Cyber Patriot, sports teams, school clubs, school leadership and advisory councils and much more....

Options After Graduation

WORK FORCE

Entry level position at a software development firm, working as a cyber security analyst, security engineer, application security engineer or junior full-stack developer.

MITT

Transition to a third year specializing in Cyber security analysis or full-stack development.

ONLINE LEARNING

Micro-credentials in Cisco networking, Microsoft security, full-stack development, AI programming, and machine learning software development.

OTHER POST-SECONDARY

Degrees from universities in: Computer Science, biomechanical engineering, Prosthetists, Mechanical engineering, MBA with a cyber security focus, master's in cyber security, Bioengineering.