

Fire Operations & Medical First Responder

Dual Credit Program through NAIT and Coaldale Fire Department/September 2021- May, 2022

Program Description

The Kate Andrews Fire Academy rotates yearly between two courses: **Fire Operations** and **Medical First Responder**. This upcoming year, students will learn about Fire Operations with the Coaldale Fire Department on Friday afternoons.

The **Fire Operations** course will introduce the firefighter to the fire service. It is designed to provide the theory and skills necessary to effectively perform the functions of a firefighter. Students who successfully complete the program will attain their NFPA 1001 Firefighter 1 Certification and NFPA 472 Hazmat Awareness and Operations.

NAIT's Medical First Responder (MFR) course will appeal to individuals interested in a career or volunteer opportunities with metro or rural fire rescue services, police, industrial sectors, safety and security enforcement officers, and other professions that require MFR expertise. Students who successfully complete the course will gain the essential skills needed to provide first-onscene basic emergency care to patients before Emergency Medical Services (EMS) arrives. Students will also learn how to provide patient care support once EMS has arrived on scene. Upon completion the successful student will achieve the following certifications: International Trauma Life Support (ITLS) Basic Provider, Incident Command System 100, Heart & Stroke Basic Life Support (BLS) CPR, and Medical First Responder (MFR). NAIT's MFR Program meets the Edmonton Fire Rescue Services recruitment qualifications and is approved at an Advanced First Aid level by Alberta Occupational Health and Safety.

Student Eligibility

This program is available to all Palliser students:

1. Who are excited about learning and sharing their ideas
2. Who are in grades 11 or 12 and who have an interest in medical and fire emergency services.
3. Who are able to commit to the duration of the program, attend classes on campus and complete their assignments on time throughout the semester.

Important Dates

- **Applications due:** May 21, 2021 **Course begins:** September, 2021

Program benefits

1. Earn 10, 20, and 30-level high school options credits
2. Earn post-secondary credit without paying post-secondary tuition.
3. Reduce stress associated with the transition from high school to post-secondary
4. Experience a post-secondary learning environment
5. Explore potential post-secondary and career options

Pre-requisites

1. HCS3000 Workplace Safety
 2. Completed Grade 10 - English 10, Social 10, Math 10C, Science 10.
 3. Enrolled in Biology 20. (co-requisite)
 4. Students must have access to a computer and reliable internet access.
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Course Topics

Year 1

Year 2

Medical First Responder	NFPA 1001 Firefighter 1 Certification
Workplace Health and Safety	Fire Service History
Anatomy & Physiology	Firefighter Safety and Health
Airway Management	Fire Department Communications
First Aid & CPR-AED's	Fire Behaviour
Patient Assessment	Firefighter Personal Protective Equipment
Pharmacology	Portable Fire Extinguishers, Ropes, Webbing and Knots
Medical Emergencies	Structural Search, Victim Removal and Firefighter Survival.
Medication Administration	Forcible Entry, Ground Ladders, Tactical Ventilation, Water Supply, Fire Hose, Fire Streams, Fire Control
MFR Support to EMS/Incident Command System	Water Supply, Fire Hose, Fire Streams, Fire Control
ITLS	Fire Origin and Cause Determination
Pediatric Emergencies & Childbirth	Fire Protection Systems
Emergency Operations	Fire and Life Safety Initiatives

Additional Information

Tuition costs are covered by Palliser Regional Schools. However, students are responsible for costs associated with transportation, textbooks and any additional materials required for the course.

Students marks will appear on their high school transcript as well as their post-secondary transcript.

Website: palliseroffcampus.ca

Please let Miss Meurs know if you are interested in Fire Academy for the 2021/2022 School Year!

jo-anna.meurs@pallisersd.ab.ca