

FE1-ASCSS

**Fire, Introduction to Alberta Fire &
Building Codes, AFC 2014**

2 Credits

Instructor: TBA

Phone:

Original Developer: Chris Senaratne

Current Developer: Alena Sayer

Reviewer: Alan Jones

Created: 22/04/2005

Revised: 01/05/2018

Approval: 01/05/2018

The Implementation Date for this Outline is 01/03/2018

Copyright©LAKELAND COLLEGE. Email: admissions@lakelandcollege.ca
2602 - 59 Avenue, Lloydminster, Alberta, Canada T9V 3N7. Ph: 780 871 5700
5707 College Drive, Vermilion, Alberta, Canada T9X 1K5. Ph: 780 853 8400
Toll-free in Canada: 1 800 661 6490



FE1-ASCSS Version: 3



Fire, Introduction to Alberta Fire & Building Codes, AFC 2014

Calendar Description

In this 32-hour course students familiarize themselves with and learn to apply the Alberta Fire Code and the Alberta Building Code in a complementary and coordinated way.

Rationale

This is a required course for the Emergency Services Technology – Fire Specialization program. Structures in Alberta must meet the requirements of the Alberta Fire and Building Codes. Personnel responsible for loss prevention, facilities planning, or management in industrial, institutional or municipal settings must know the requirements of the Alberta Fire and Building Codes to determine if structures and occupancies are safe.

Prerequisites

ID #1-LFSC Law for Fire Safety Codes Officers
ID #1-BCPS Building Construction and Protection Systems
ID #1-PMSC Properties of Materials
ID #1-CSSC Communication Skills
ID #FSFSC Fire Service Familiarization

Co-Requisites

None

Course Learning Outcomes

Upon successful completion of this course, students will be able to

1. describe how codes are developed in Alberta.
2. describe the relationship between the Alberta Fire Code and the Alberta Building Code.
3. find information in both codes.
4. apply the codes when inspecting structures and occupancies.
5. interact with building owners honestly, firmly, but helpfully and informatively.

Resource Materials

Emergency Training Centre course text
 Alberta Fire Code
 Alberta Building Code

Conduct of Course

A. Methods

1. Lecture
2. Finding and accurately referencing appropriate information in the codes

B. Aids

1. Whiteboard

C. Assignments

1. Self -testing exercises in fire etc. modules

D. Study Time

1. 8 hours

Evaluation Procedures

Written exam, 70% pass mark.

Grade Equivalents and Course Pass Requirements

The final mark is given as a letter grade.

Letter	F	B-	B	B+	A-	A	A+
Percent Range	0-69	70-74	75-79	80-84	85-89	90-94	95-100
Points	0.00	2.70	3.00	3.30	3.70	4.00	4.00

Attendance

Regular attendance is essential for success in any course. Absence for any reason does not relieve a student of the responsibility of completing course work and assignments to the satisfaction of the instructor. Poor attendance may result in the termination of a student from a course.

Course Units/Topics

1. Principles of code development in Alberta
2. Relationship between the Alberta Fire Code and Alberta Building Code
3. Effective dates and powers of enforcement
4. Effective use of Alberta Fire Code and Alberta Building Code
5. Alberta Fire Code research and reference
6. Alberta Building Code research and reference
7. Building area and occupancy classification
8. Types of construction
9. Fire separations and closures
10. Firewalls
11. Flame spread and smoke development
12. Fire protection systems and equipment
13. Spatial and exposures
14. Fire department access
15. Fire detection and alarm
16. Exiting lighting and signage
17. Occupant loads
18. Emergency plans
19. HVAC systems
20. Service spaces
21. Tents and air-supported structures
22. Industrial relocatable housing
23. Day care facilities
24. Bylaws and permits
25. Record keeping



Copyright©LAKELAND COLLEGE.
2602 - 59 Avenue, Lloydminster, Alberta, Canada T9V 3N7. Ph: 780 871 5700
5707 College Drive, Vermilion, Alberta, Canada T9X 1K5. Ph: 780 853 8400
Toll-free in Canada: 1 800 661 6490 E-mail: admissions@lakelandcollege.ca