

Fire & Safety Division



Course Catalogue **2005**

FIRE & SAFETY

www.jibc.bc.ca/fire



FIRE & SAFETY Division

Course Catalogue 2005



Message from the Director

The Fire and Safety Division is once again pleased to offer our catalogue of courses and programs for 2005. Several initiatives outlined in earlier editions of the catalogue have completed and new projects are in the works.

Several of our success stories include:

- In addition to a classroom and distance education format of the Fire Officer program, on-line versions of some of the classes are now available. The significance of this move is portability, accessibility, and efficiency.
- Our first graduate of the Fire Service Leadership Diploma program.
- The development of the Career Fire fighter Pre-employment Certificate Program and the Industrial Emergency Responder Certificate.
- Movement toward the development of a Bachelor of Fire and Safety Leadership with projected fourth year availability in September of 2005.
- Increased decentralization of courses, whereby fire departments are encouraged to host" the delivery of courses, either as a "one-off" initiative or as part of one of the established training weekends.
- Our target of holding one regional training weekend per region annually has now been met and we are moving toward our new goal of 10 regional training weekends per year.
- The Campus Replacement Project at Maple Ridge is now complete. The project included replacing six portable classrooms, construction of a warehouse training prop, technician and service areas, and a water bunker for fire hose training.
- An Evaluator Certification Workshop is in place to certify individuals as either department or regional evaluators.
- The first offering of Fire Investigator I Fire Cause and Origin runs in October 2004.

On behalf of all of us at the Fire and Safety Division, we appreciate your ongoing support and will continue to offer education, training and services that meet individual and community needs.

'Providing quality, innovative emergency response and safety training to fire, industry and marine services.'

John B. Vokes Director

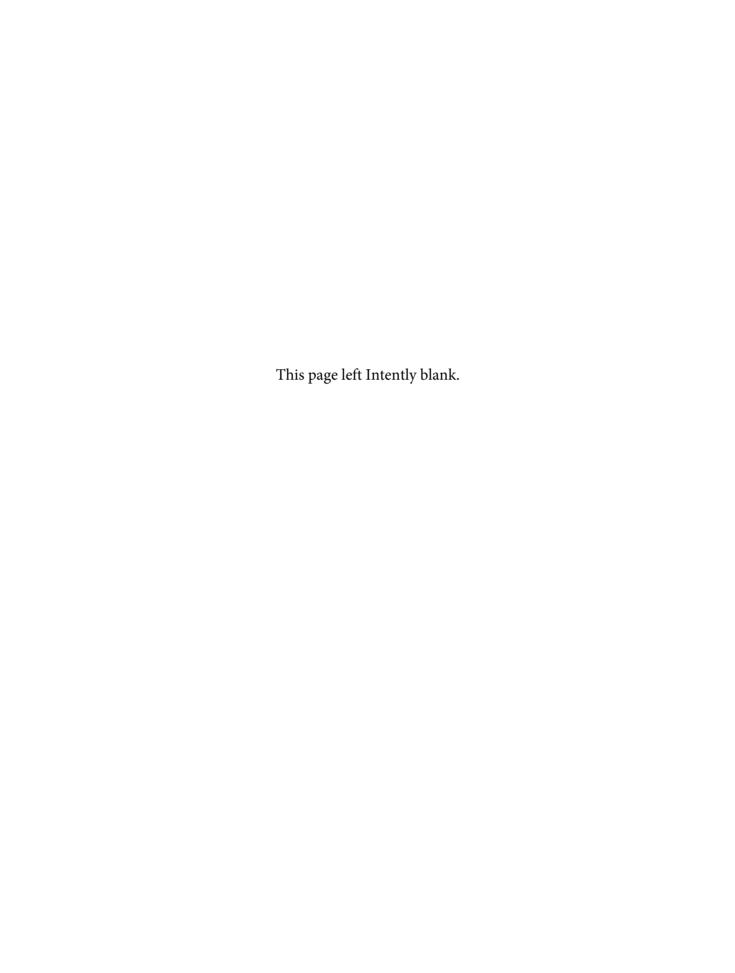
Fire and Safety Division

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General Information Section 1



Fire and Safety Division

The Justice Institute of BC (JIBC) Fire and Safety Division delivers programs and courses from two locations; the New Westminster Campus and the Maple Ridge Campus. Please see maps on the following page.

The New Westminster Campus focuses on the training of fire department personnel through course offerings which include, but are not limited to, a fire fighter certification program, fire officer programs, instructor and inspector training, as well as customized courses.

The Maple Ridge Campus delivers a wide range of courses and programs, from basic structural, marine and industrial fire fighting and pre-employment fire fighter training to hazardous materials courses and specialized programs developed to meet client needs. Courses focus on hands-on training, combined with classroom theory. Small class sizes ensure everyone participates in the learning process.

The Maple Ridge Campus is located 58 kilometres east of Vancouver. It includes training areas and props designed for a wide range of scenarios, such as the eleven-railcar derailment configuration, tower crane, high angle rescue, extinguisher training, live fire hazardous materials, and confined space rescue.

Location and Contact Information

Fire and Safety Division New Westminster Campus

715 McBride Boulevard New Westminster, BC V3L 5T4

Tel: (604) 528-5657 Toll Free: 888-214-3177 Fax: (604) 528-5660

email: fireacademy@jibc.bc.ca

Fire and Safety Division Maple Ridge Campus

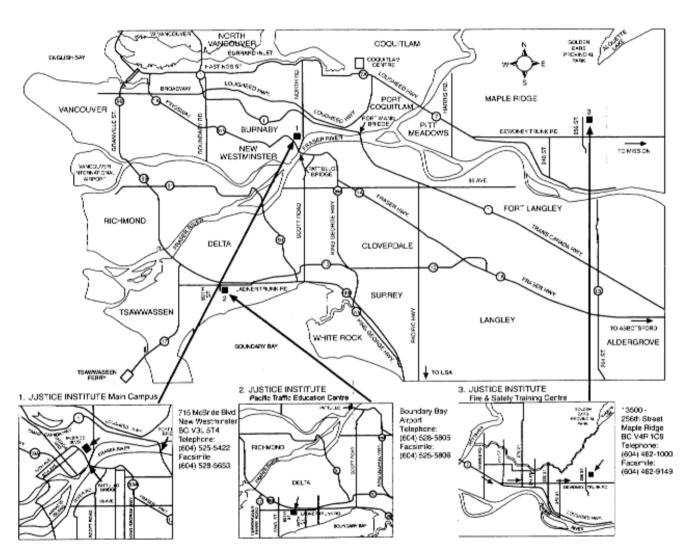
13500 - 256th Street Maple Ridge, BC V4R 1C9 Tel: (604) 462-1000 Toll Free: 888-844-0445 Fax: (604) 462-9149

email: fstc@jibc.bc.ca

Directions to: MAPLE RIDGE

- Take the Lougheed Highway (No. 7) to Maple Ridge
 Turn North onto 228th Street
 Turn East onto Dewdney Trunk Road
 Turn North onto 256th Street

- The Site is approx. 3 km, on the right



The Justice Institute of BC

The Justice Institute of BC is a dynamic, post-secondary learning organization recognized nationally and internationally for continuous improvement and innovative education. Our unique provincial mandate encompasses education and training in the areas of criminal and social justice, public safety and social services making British Columbia's communities safer places to live. Each year the JIBC's distinctive educational co-op model attracts more than 27,000 students from across Canada and throughout the world.

More than 1,500 courses, seminars and conferences are offered in residence at JIBC campuses, in communities around the province, at employers' preferred locations, and online through the "virtual" JIBC. Customized courses and services are also offered for government and industry.

Our ten academies and divisions reflect the following areas of expertise:

- Centre for Conflict Resolution
- Centre for Leadership and Community Learning
- Corrections and Community Justice Division
- Courts Academy
- Emergency Management Division
- Emergency Social Services
- Fire and Safety Division
- Pacific Traffic Education Centre
- Paramedic Academy
- Police Academy

Local and International Clientele

The JIBC has earned an international reputation for professional standards and adaptability and for its state-of-the-art equipment and facilities. Our students are local and global, as clients from around the world look to us for education, training and consulting services. Countries such as Hong Kong, the Philippines, Saudi Arabia, Singapore, South Africa, United Arab Emirates, and the United States have called on our staff and instructors' expertise to educate, consult and evaluate their services.

For more information on our programs and services, visit www.jibc.bc.ca or call (604) 525-5422.

JIBC Telephone Directory

(604) 525-5422
(604) 528-5590
(604) 528-5500
(604) 528-5608
(604) 528-5608
(604) 528-5531
(604) 528-5567
(604) 528-5790
(604) 528-5790

Fire and Safety Division

(New Westminster Campus)	(604) 528-5657 or toll free 1-888-214-3177
(Maple Ridge Campus)	(604) 462-1000 or toll free 1-888-844-0445

JIBC Store	(604) 528-5870
Learning & Information Services	(604) 528-5600
Library	(604) 528-5599
Pacific Traffic Education Centre	(604) 528-5807
Paramedic Academy	(604) 528-5707
Police Academy	(604) 528-5753
JIBC Campus Contact Information	
New Westminster Campus	
715 McBride Blvd.	
New Westminster, BC	
V3L 5T4	
Tel: (604)-525-5422	
Fax: (604)-528-5518	
Victoria Campus	
Suite 101-910 Government St.	
Victoria BC	
V8W 1X3	
Tel: (250)-405-3500	
Fax: (250)-405-3505	
Maple Ridge Campus	

How to Use This Catalogue

Fax: (604)-528-5653

Tel: (604)-528-5590

Vancouver, BC V6C 3A6

Vancouver Downtown Campus 18th floor 400 Burrard St

Fax: (604)-462-9149

Tel: (604)-462-1000

V4R 1E2

13500-256 Street Maple Ridge, BC

what we feel are the most appropriate organizational headings. Some of these courses The Fire and Safety Division offers programs and courses to a wide variety of clients. For ease of use, we have divided this catalogue into four main sections: General Information, Programs, Courses, and Indexes. The Programs and Courses sections are categorized by may be appropriate in other areas. For a complete alphabetical listing of ALL of our courses please see the index starting on page 63. We have further categorized the Programs and Courses listings into three types based on the client market served: general public, fire service, and industry/marine. Not all of the courses offered are available to each category. Beside the course/program listing, we have used icons to designate each category. The icons used are as follows:



Fire Service



Industry/Marine

Course Site Flexibility

Courses can be delivered on site or at various locations as agreed upon if there is an appropriate number of students.

Services Offered

Contract Courses

In addition to the wide range of courses and programs listed in this catalogue, the Fire and Safety Division offers customized and site-specific courses to clients. We can adapt existing courses or design courses to meet client needs. All custom courses are designed in consultation with the client and reference any and all relevant standards or needs. Courses may be presented at the client's facility on a contract basis.

For further information on contract courses, contact the Fire and Safety Division, Maple Ridge Campus at (604) 462-1000 or the New Westminster Campus at (604) 528-5657.

Training Weekends

The Fire and Safety Division is committed to the provision of high-quality emergency response training throughout the province. One way to encourage participation in training is to provide it to all regions through the provision of **Regional Training Weekends**.

Regional Training Weekends are a method used to provide geographically specific training in a cost effective manner. This is achieved through the use of a Host Fire Department concept. A Host Fire Department assists with the organizational services involved in a training weekend.

If you wish to host a Regional Training Weekend, or simply need more information please contact:

Regional Training Coordinator Fire and Safety Division - Maple Ridge Campus 13500 - 256th Street Maple Ridge, BC. V4R 1C9 Phone: (604) 462-1000

Fax: (604) 462-9149

Training Materials for Purchase

The Fire and Safety Division offers a range of materials that support our programs.



International Fire Service Training Association (IFSTA)/ Fire Protection Publications and Jones and Bartlett Publishers

The Fire and Safety Division is the authorized IFSTA/Fire Protection Publications and Jones and Bartlett distributor for the province of British Columbia. The Fire and Safety Division offers IFSTA's and Jones and Bartlett's complete line of publications and related training materials. These materials support a wide range of training topics for fire, safety, industrial and medical users.

Fire and Safety Division Publications

Risk Management for the Fire Service, **2nd Edition**. ISBN 0-7726-3985-X, 58 pages, Price \$25.00 plus gst. This publication explores the legal aspects of liability and focuses on issues in the fire service and ways of preventing exposure to potential lawsuits.

Health and Fitness in the Fire Service. Health and Fitness in the Fire Service by James B. Carter Phd. ISBN 0-7726-5115-9, 61 pages, Price \$22.50 plus gst. This publication is a guide for fire fighters who wish to attain and maintain a high level of fitness..

Purchasing Materials

If you are interested in purchasing IFSTA or Jones and Bartlett materials or Fire and Safety Division Publications, please contact the Fire and Safety Division at (604) 528-5657 or see the IFSTA order form at the back of this catalogue.

Library

Library and information services are provided to all members of fire departments. The services are accessible by mail or in person. If you have specific requests for information, contact the library directly. Borrowers are responsible for loss or damage to materials. A library card is not required. The Library houses videos, slides, books and magazines on public safety and justice topics.

Some of the topics include:

- Training
- Apparatus and Equipment
- Management
- Disasters and Hazardous Materials
- Fire Behaviour
- Fire Prevention and Suppression
- Smoke and Ventilation
- Rescue and First Aid
- Fire Investigation
- Marine Safety and Fire Fighting

The monthly newsletter, Library News, listing new books and audiovisual materials, is sent to all fire departments, and is also available on the library website.

The Library is open from 8:00 am to 5:00 pm on weekdays and 9:00 am to 4:00 pm on Saturdays (from September to June).

For further information contact the Library at (604) 528-5599; fax: (604) 528-5593 or email: library@jibc.bc.ca: or check out the library section of the JIBC website: www.jibc.bc.ca.

Justice Institute Store

Located at the JIBC's main campus in New Westminster, the JIBC Store is a retail outlet managed to support and promote the work of the JIBC and its clients. The store offers an ever-expanding array of crested clothing, student supplies, JIBC publications, specialty equipment related to the JIBC's work, and gifts selected to ensure the JIBC's reputation for quality is represented through its merchandise. Open weekdays 9:30 a.m. to 4:00 p.m. or e-mail: jibcstore@jibc.bc.ca or visit the store on-line at www.jibc.bc.ca

Distance Education

Many courses are offered in the distance learning format. These courses are identified as self-study under the presentation section of the course description. Students will have telephone and email access to Fire and Safety Division tutors and are encouraged to use this service as it is an integral part of the course. Out of province students will have to pay long distance telephone charges.

The Distance Education Program for the Fire Service in the Province of British Columbia is a series of courses that allows fire fighters and officers to upgrade their knowledge through self study of learning materials provided to them in their own locality. This method allows students to work at their own pace, within the structure of a three month system. Some of the distance education courses are available through correspondence and via the internet. When registering for a course, students should make it clear which option they prefer.

Several courses are available for certification. The courses are based on the qualifications established by the NFPA, and have been amended as necessary to reflect the needs of the BC Fire Service. Successful completion of a full program leads to certification at that level.

Student Information

If you are taking courses at the Maple Ridge Campus the following is important for you to note.

Clothing: Please check specific clothing requirement when registering for a course general guidelines include:

- Some courses require coveralls/work clothes and/or T-shirts (natural fibers, no synthetics)
- You may also require a complete change of clothes.
- If required, full protective clothing will be assigned for the duration of the course.
- You are required to wear full leg coverings (natural fibers, no synthetics) under turnout gear
- No shorts or tank tops permitted.

Beards: Most of our courses use self-contained breathing apparatus (SCBA). Your face must be clean-shaven where the SCBA mask fits. Moustaches are permitted only if they do not affect the seal of the SCBA face piece. This is a requirement of the National Fire Protection Association, Canadian Standards Association, Workers' Compensation Board and Transport Canada, Marine Safety.

Eye Wear: Prescription safety glasses may be worn with SCBA if they are in an approved holder that does not affect the seal of the SCBA.

Clean Up: Showers and soap are provided. Please bring your own towel.

Lunch: There is no cafeteria at our Maple Ridge Campus. Unless otherwise notified, please bring a lunch.

Parking: Parking is available at no charge. Follow the signs.

Accommodation: Many motels in the area offer discounts to students. Mention your student status when booking rooms. For information on accommodation in the area call the Maple Ridge Chamber of Commerce at (604) 463-3366.

Course Schedule and Fee Information

For current schedule and fee information contact the Registration Office at (604) 528-5590 or 1-877-528-5591 or the Fire and Safety Division website: www.jibc.bc.ca/fire.

Fee Structure for Clients

Students enrolled in Fire and Safety Division programs are responsible for their travel, meals and accommodation* costs.

Fees:

• Certificate Fee (Program Completion, BC Fire Fighter)	\$30.00
• Certificate Fee (Fire Service Instructor I & II Host Department Only	7) \$60.00
Replacement of Certificate	\$50.00
Name Change on Certificate	\$50.00
Transfer of Credit Review (Prior Learning)	\$95.00 per Course
Photocopy of Certificate	\$10.00
Fire Fighter Module Exam Fee	\$5.00
Fire Fighter Practical Evaluation Fee	\$5.00
Basic Fire Fighting Certificate Subject Fee	\$15.00

Fees for Producing Complete Department Student Status Reports:

 Departments under 100 members 	\$100.00
• Departments 100-150 members	\$150.00
• Departments 150-200 members	\$200.00
 Departments over 200 members 	negotiated on an individual basis

All fees are subject to change.

^{*}Student discounts are available at hotels in the area. Please check when registering for courses.



Registration

BY MAIL: Justice Institute of BC

715 McBride Boulevard, New Westminster, BC V3L 5T4

Attn: Registration Office

BY PHONE: (604)-528-5590; Toll Free: 1-877-528-5591; TDD/TTY:

(604)-528-5655 (8:30 am – 4:00 pm, Monday to Friday)

BY FAX: (604)-528-5653

IN PERSON: Office Hours 8:00 am – 4:30 pm, Monday to Friday

Register Early:

Many courses fill quickly, so register early to avoid disappointment. Registrations are accepted on a first-come, first-served basis. Please specify classroom or distance education format. Registration cannot be completed until we receive full payment for the course(s). No post-dated cheques will be accepted.

Tax Deduction:

You may deduct tuition fees from your taxable income if the total amount exceeds \$100.00 for the year. Income tax receipts will be issued in February for previous year courses.

Refunds/ Transfers/Withdrawals:

Registration fees are refundable provided that there is sufficient notification of cancellation. Required withdrawal or transfer notice varies from 7 to 30 days depending on the course. Please confirm the transfer/withdrawal policy with registration staff when registering for a course.

Refunds are subject to an administrative charge of \$25.00 with the exception of the Career Fire Fighter Pre-employment Certificate Program which requires a \$500.00 nonrefundable deposit and has a pro-rated administrative fee schedule for withdrawals. Textbook fees are non-refundable

Substitutions:

Course substitutions are welcome as long as the substituting participant has completed the course prerequisites. The substituting participant must communicate this to the Registration Office

NSF Cheques:

A fee of \$15.00 applies to all cheques returned "NSF".

Course Cancellations:

A full refund of tuition fees will be issued for courses cancelled by the Justice Institute. The Institute is not responsible for participant's expenses (e.g. airline or hotel reservations) if a course is cancelled. The Institute reserves the right to cancel courses. We truly regret any inconvenience this may cause.

Confirmation of Registration:

Confirmation of registration is sent to students by mail. We are unable to confirm registration by fax. If you have questions regarding your confirmation, please contact a registration representative by telephone at (604) 528-5590.

Students with Disabilities:

The Justice Institute has received funds from the Ministry of Advanced Education to provide support to students with disabilities attending courses at the Justice Institute. For further information on the support available, please contact a Registration Services Advisor at (604) 528-5588 or TDD/TTY (604) 528-5655.

First Nations Students:

There is a First Nations Advisor available to provide information and office support to First Nations students. To speak with an Advisor or to obtain a brochure on First Nations services, please call (604) 528-5621.

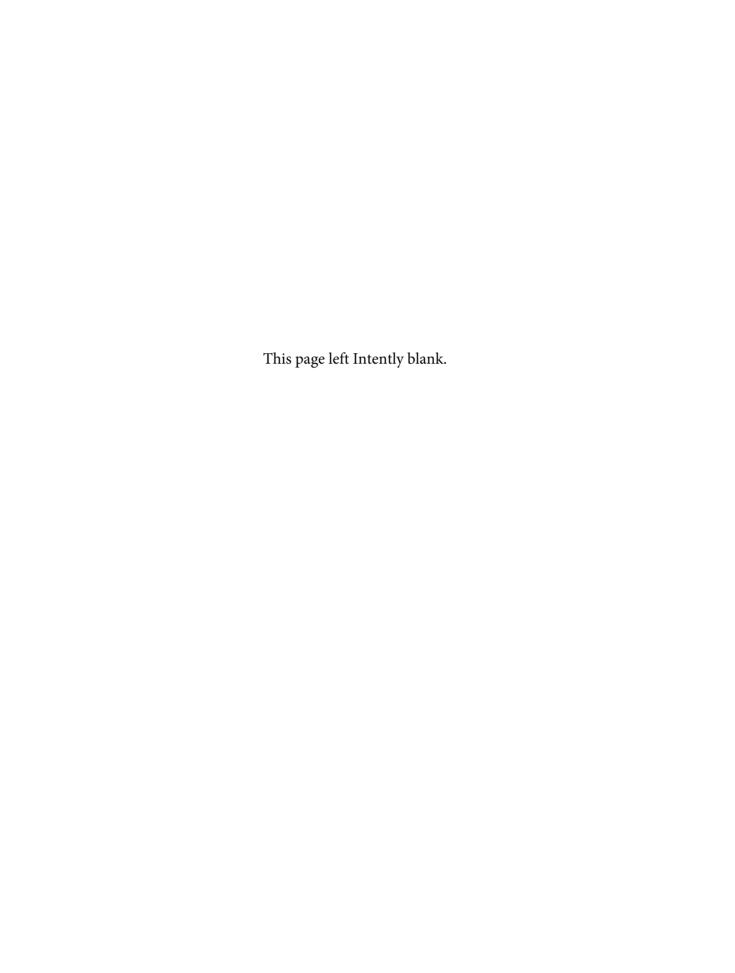
Student Loans:

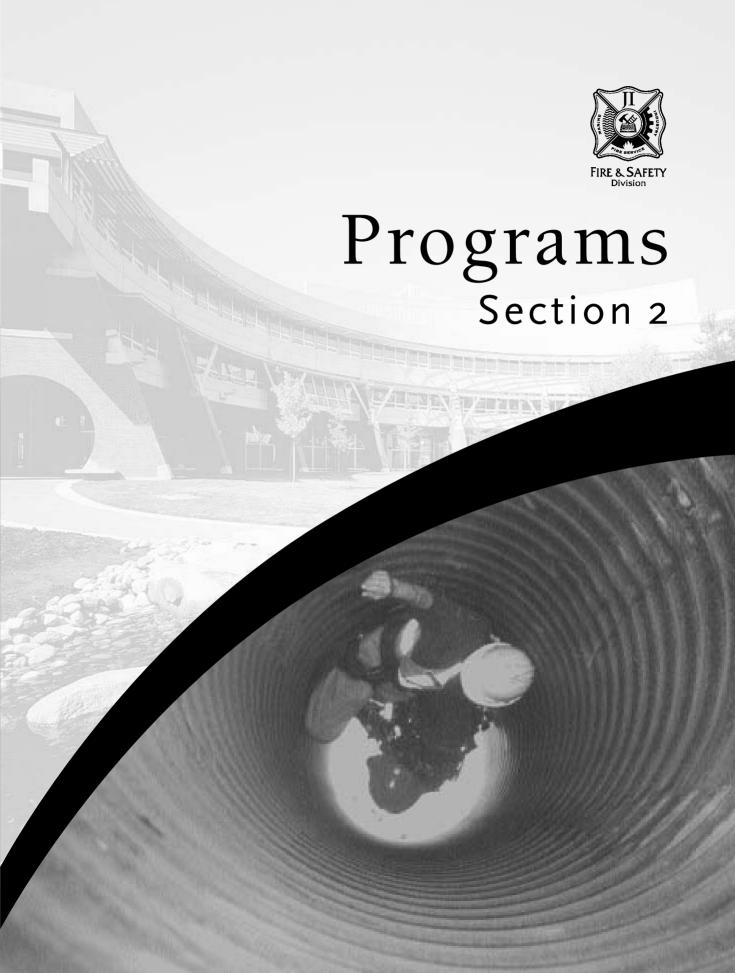
Student loans are available for the Career Fire Fighter Pre-employment Certificate Program only. Application forms are available from Registration Services Advisor at (604) 528-5588 or TDD/TTY(604) 528-5655.

Transcripts:

For transcripts of student records please contact the Registrar's office at (604) 528-5590.

Please note that all tuition, material and administrative fees are subject to change. For the most current information visit our website at www.jibc.bc.ca or call the registration office at (604) 528-5590.







Basic Fire Fighting Certificate

Some departments require this certificate for all new members. fire department in BC, with the basic training you need in order to serve your community. The Basic Fire Fighting certificate provides you, as a member of a volunteer or composite

Program outcome

of nine essential subject areas considered by to be essential skills for all fire fighters. Earning the Basic Fire Fighting certificate demonstrates that you have an understanding

Application and registration

department criteria. The program is open to Fire Service personnel only. Prerequisites are based on fire

Fire and Safety Division, New Westminster Campus. Division or from the website at www.jibc.bc.ca/fire, and then fax or mail the form to the To register members, fire departments obtain a registration form from the Fire and Safety

Credential issued

method of learning 1001 Standard. Training takes place using fire department resources or other self-directed and evaluations administered by the Fire and Safety Division for subjects from the NFPA A certificate of achievement is issued upon successful completion of all examinations

Courses

REQUIRED EXAMINATIONS

BFFW011: Safety – Written

BFFW021: Fire Behaviour – Written

BFFW031: Personal Protective Equipment – Written

BFFW041: Ropes and Knots - Written

BFFW051: Ladders - Written

BFFW061: Rescue - Written

BFFW071: Ventilation – Written

BFFW081: Fire Hose, Appliances and Streams – Written

BFFW091: Water Supplies - Written

REQUIRED EVALUATIONS

BFFP011: Safety – Practical

BFFP031: Personal Protective Equipment – Practical

BFFP041: Ropes and Knots - Practical

BFFP051: Ladders – Practical

BFFP061: Rescue – Practical

BFFP071: Ventilation - Practical

BFFP081: Fire Hose, Appliances and Streams - Practical

BFFP091: Water Supplies - Practical

BC Fire Fighter Certification Program

The program is open to Fire Service personnel only. Prerequisites are based on fire department criteria.

To register members, fire departments obtain a registration form from the Fire and Safety Division or from the website at www.jibc.bc.ca/fire, and then fax or mail the form to the Fire and Safety Division, New Westminster Campus.

Credential issued

Students receive a Fire Fighter I and/or Fire Fighter II certificate(s), to NFPA 1001 Standard upon successful completion of the required courses at the respective levels, as listed below.

FIRE FIGHTER LEVEL I COURSES

BCM011: Organization, Safety and Communication I

BCM021: Fire Behaviour, Extinguishers and Personal Protective Equipment I

BCM031: Ropes, Knots, Ladders and Rescue I

BCM041: Building, Ventilation and Forcible Entry I BCM051: Hose, Fire Streams and Water Supply I

BCM061: Salvage, Overhaul and Fire Cause Determination I

BCM071: Fire Prevention, Education and Sprinkler Systems - Written I

BCM081: Fire Control I BCM091: Hazmat Awareness BCM101: Emergency Medical Care

FIRE FIGHTER LEVEL II COURSES

BCM013: Organization, Safety and Communication I & II

BCM023: Fire Behaviour, Extinguishers and Personal Protective Equipment I & II

BCM033: Ropes, Knots, Ladders and Rescue I & II

BCM043: Building, Ventilation and Forcible Entry I & II

BCM053: Hose, Fire Streams and Water Supply I & II

BCM063: Salvage, Overhaul and Fire Cause Determination I & II

BCM073: Fire Prevention, Education and Sprinkler Systems I & II

BCM083: Fire Control I & II BCM091: Hazmat Awareness BCM093: Hazmat Operations

BCM101: Emergency Medical Care

FS210: Hazmat Operations

Prerequisites: Fire Department Criteria

Location: Site Specific

Presentation: Fire Department Instructors or as arranged.

Certification: Fire Fighter I and/or Fire Fighter II certificates, to NFPA

1001 Standard

Recommended Text: Essentials of Fire Fighting, Fourth Edition

For additional information on this program call

(604) 528-5657.









On-line Fire Fighter Training Support

The Fire and Safety Division has partnered with FireLearn® to make on-line learning a reality. FireLearn courses are based on Fire Fighter I to the NFPA 1001 Standard. Departments or individuals can register as usual in the Fire and Safety Division British Columbia Fire Fighter Program (BCFFP) and request the FireLearn on-line version of the program to use as their curriculum and study guide. By registering in the BCFF program, students can be evaluated through the Fire and Safety Division's system of evaluators. To receive Fire and Safety Division certification, students will be required to write the Fire and Safety Division exams in addition to any quiz provided on-line. Practical evaluations are also required to achieve certification in the British Columbia Fire Fighter Certification Program.

Certification that follows is to NFPA 1001, Fire Fighter I.

To view the product, please go to the FireLearn® website at www.firelearn.com For more information and to purchase the FireLearn® on-line training package contact Pat Carnegie-Dunlop at (604) 528-5670 or email: pcarnegie-dunlop@jibc.bc.ca

Also of Interest to Smaller Fire Departments:

- Confined Space Awareness (see page 54)
- Emergency Scene Management I (see page 28)
- Fire Service Instructor I (see page 28)
- Hazardous Materials Emergency Response Awareness (see page 42)
- Live Fire Level I (see page 37)
- Technical High Angle Rope Rescue Awareness Level (see page 56)
- Vehicle Rescue Level I (see page 39)

new

Evaluator Certification Workshop

FIRE 250

This course teaches students the skills and knowledge necessary to become an evaluator in the BC Fire Fighter Certification Program. Upon completion of this course, the student will be able to evaluate students in the BC Fire Fighter Certification Program and perform administrative duties according to Justice Institute of BC and Fire and Safety Division policies.

Credits:

Prerequisites: Fire Service Instructor I and II, 5 years fire service experi-

ence including 2 years as a fire service trainer, completion of an online pre-examination and prerequisite validation,

and approval by their home fire department.

Presentation: 2 days

Location: Maple Ridge or client site (604) 528-5657

Certification: Certificate of Achievement

new

Evaluator Certification Workshop Challenge

FIRE 251

The Challenge is available to existing evaluators who were previously certified as an evaluator in the BC Fire Fighter Certification Program with the Fire and Safety Division prior to July 1, 2004. The Challenge is a 1-day session where existing evaluators may take the written and practical examination components of the Evaluator Certification Workshop without attending the entire 2 days.

Please note, if the candidate is unsuccessful in the Challenge, the 2 day Workshop must be attended and full tuition will apply.

Credits: .5

Prerequisites: Certified as an evaluator with the Fire and Safety Division

prior to July 1, 2004

Presentation: 1 day

Location: Maple Ridge or client site (604) 528-5657

Certification: Certificate of Achievement

new

NFPA 1001 Challenge

FIRE 001

In response to many requests the Fire and Safety Division has created a challenge model for fire fighters who have relocated from another province or jurisdiction, have taken inhouse training and not been evaluated, or who have been grand-fathered under previous initiatives. The concept of a challenge means that a student submits to an evaluation without the benefit of having had training by that organization. The NFPA 1001 Challenge was developed as a challenge model for students that fit into one of the above captioned categories.

The challenge includes written exams covering all aspects of the NFPA 1001 Standard and a practical evaluation of the critical skills contained in the standard. It occurs over five (5) days and includes all written and practical evaluations of Fire Fighter I and Fire Fighter II.

Entrance Requirements: The challenge process is designed to evaluate the knowledge and skills of fire fighters who are, or have been in the service, and does not include training or coaching. To be eligible to participate in the challenge process, candidates must provide verification of fire fighter training by the fire chief or training officer from the department where the training was provided.

It must be clearly understood that this challenge is based on NFPA 1001 – 2002 Edition and does not result in certification or an equivalent to the Career Fire Fighter Preemployment Certificate Program.

For more information on the challenge please call the Maple Ridge Campus at (604) 462-1000.



revised

Career Fire Fighter Pre-employment Certificate Program

Program outcomes

The program prepares individuals to apply for the position of Career Fire Fighter, although successful completion does not guarantee employment. As part of that preparation, the student will receive certification to National Fire Protection Association (NFPA) 1001 Standard Fire Fighter I and II, Hazardous Materials Response to the Operations Level, First Responder Level III with Automatic External Defibrillators and Spinal Management endorsement, and five additional certificates of achievement.

As a graduate of the program, the student will obtain 30 post-secondary credits that can be applied to ongoing education (diplomas, degrees, etc.). These credits can be applied to advanced programs currently being developed by the Fire and Safety Division, and may also be submitted to other post-secondary institutions for consideration as partial credit towards their programs.

Application and registration

The application, screening, and admission process for the Career Fire Fighter Preemployment Certificate Program takes place two or three times a year. Applicants must have all required qualifications for admission to the program. The required and preferred qualifications are described in the student information and admission package.

Applicants who provide all the necessary documentation of required and preferred qualifications will progress to completion of the Entry Level Fire Fighter Written Exam. Those who pass the exam will be interviewed for personal attributes expected of a fire fighter. The final stage of screening for those who successfully complete the interview is an extensive fire fighter medical exam and physical fitness assessment.

To apply for the program:

- Obtain a Student Information and Admission Package from the JIBC Registration Office or download the package from the Fire and Safety Division website at www.jibc.bc.ca/fire. The package provides detailed information about the steps applicants need to take to be admitted into the program.
- Complete the application form and provide required documentation for the following:
 - High school graduation or equivalent
 - Class 3, BC Drivers License with Airbrake Endorsement. A driving record that demonstrates responsible and safe driving behaviour. More than six points in the last three years will be considered excessive.
 - Current CPR (Level C) certification*
 - No conviction for a criminal offence related to the job of a fire fighter
 - Other preferred qualifications, such as:
- Minimum of one year accumulated work experience after high school, preferably in work related to the needs of the fire service (building construction, mechanical experience, driving large or emergency vehicles, fire service, first aid, nursing, para-medic experience, truck driving, etc.)
- Successful completion of a post-secondary education program (academic, technical, or trades training)
- Ability to swim and related life-saving certificates



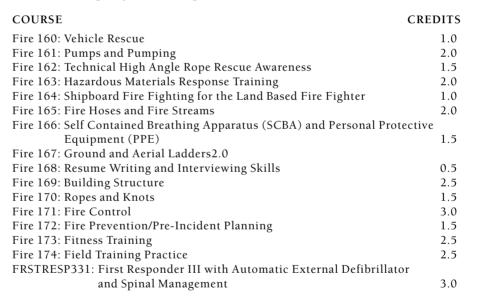
- Fire service-related courses
- Knowledge and understanding of different cultures and fluency in one or more languages other than English (may include sign language)
- Currently active in community service work
- Demonstrated use of small tools such as chain saw, drills, etc.
- Register for the Entry Level Fire Fighter Written Exam by completing the Written Exam Registration Form and mailing or faxing it, along with the examination fee, to the JIBC Registration Office.

Credential issued

Upon successful completion of required courses and evaluations, the student will receive a program certificate in addition to certificates of achievement in specific topics.

Courses

Students will learn through theory, lectures, and practice drills, and will be examined on the following subjects, totaling 30 credits.



For more information about this program visit the Fire and Safety Division website at www.jibc.bc.ca/fire

*Certification and Re-certification for CPR - Level C may be obtained through the Paramedic Academy. The cost for Full Certification is \$65.00 plus gst including the textbook. Re-certification is \$50.00 plus gst including the textbook. All fees are subject to applicable taxes. For more information on these courses and upcoming dates please visit the Paramedic Academy website at

www.jibc.bc.ca/paramedic/programs/cmeprograms/res.htm or call (604) 528-5727.



new

Industrial Emergency Responder Certificate Program

Program Description

The Industrial Emergency Responder Certificate is a thirty-credit certificate program designed to meet the needs of individuals who currently work in an emergency response capacity in an industrial setting while at the same time, performing their primary career responsibilities.

While program delivery is designed to be flexible enough to meet the needs of the working participant, enrollment in the program is open to anyone who wishes to seek a position in an industrial emergency response capacity.

Upon graduation from this program you will have mastered course content aligned to recognized international professional standards and obtained the requisite technical, physical and professional skills and the introductory theoretical knowledge required for employment as an industrial emergency responder.

In addition, this program also provides the foundation for further career development, allowing successful graduates to pursue the Industrial Diploma Program and the Fire and Safety Degree, both currently under development.

Program Organization

The program is comprised of thirty credits. The learner is required to complete all of the required courses listed below, for twenty-four credits and in addition, complete six additional credits from the list of approved elective courses. The order and pace of completion is self-directed providing all coursework is completed within five years of beginning the certificate. (Average completion time is two to four years)

Required Courses - 24 credits

COURSE	CREDITS
Atmospheric Monitoring	1.0
Confined Space Entry and Rescue – Awareness	1.0*
Confined Space Entry and Rescue - Operations	2.0*
Clear and Simple: A Course on Writing Letters,	
Memos and Reports	1.5
Emergency Vehicle Operation	3.0*
Hazmat Awareness	0.5*
Hazmat Operations	2.0*
Hazmat Technician	3.0*
ICS 100	0.5
Industrial Fire Fighting – Level I	2.5*
Industrial Fire Fighting – Level II	2.5*
Industrial Fire Fighting – Level III	2.5*
Employability Skills	0.5
Technical High Angle Rope Rescue – Awareness	1.5*



Elective Courses – 6 credits from the following courses:

COURSE	CREDITS
Building Construction	1.0
Confined Space Entry and Rescue – Technician	2.0*
H ₂ S Safety & Response	0.5
Industrial High Angle Rope Rescue	1.5
Rail Tank Car Specialist	3.0
Rapid Intervention Team	1.0
Shipboard Fire Fighting for Land Based Fire Fighters	2.0
Team Building	1.0
Technical High Angle Rope Rescue - Operations	2.0*
Technical High Angle Rope Rescue – Technician	2.0*

^{*} IESAC and/or ProBoard accredited

For more information on this program please go to our website at www.jibc.ca/fire and click on the Industrial Emergency Responder Certificate Program link, located under the column called "Industrial" or contact the Maple Ridge Campus at (604) 462-1000 or by email at fstc@jibc.bc.ca

Fire Service Leadership Diploma





The Fire Service Leadership Diploma Program provides fire service personnel with opportunities to expand their overall knowledge of the fire service and to achieve certification to the Fire Officer I, II, III and IV levels of the NFPA 1021 Standard. All NFPA Fire Officer levels are accredited by the International Fire Service Accreditation Congress (IFSAC). Fire Officer I and II are also accredited by the National Board on Fire Service Professional Qualifications (ProBoard). Upon completion of each of the four levels of the Fire Officer Program, students are awarded a certificate incorporating the IFSAC Seal, which recognizes their standing in the program. Upon successful completion of Fire Officer IV plus 5.5 college or university level credits (in courses such as business administration, education, arts or sciences, social sciences and human resource management), students will be awarded the Fire Service Leadership Diploma.

The program is for fire service personnel in Career Fire Departments, Volunteer Fire Departments and Composite Fire Departments. It provides essential knowledge for supervision of fire fighters in fire stations, managing the operations of a fire station and department, and the necessary skills to manage emergency scenes.

The majority of courses in the Fire Service Leadership Program are available in both the distance education format and the classroom format. *Increasingly, courses will be available via the internet at www.jibc.bc.ca/fire*

Because of hands-on requirements, specific courses such as Emergency Scene Management and Fire Service Instructor are delivered only in a workshop format.

Please note that all courses listed in the following pages are required for completion of the full Fire Service Leadership Diploma. Students may select individual topics from any level of the fire officer programs except in a small number of cases where pre-requisites are specified. In some topics this will result in a certificate of achievement and/or the

outcome will be recorded on a student transcript. To achieve certification at the respective fire officer level, pre-requisites must be met.

Instructors and Tutors

Instructors for the classroom courses and tutors for the distance education courses bring a wealth of experience and expertise to the Fire Service Leadership Program. They are typically selected from practitioners in the field, and each has many years experience in the subject that they instruct or tutor.

Distance Education Format (Correspondence and Internet)

Distance education (correspondence or on-line) enhances flexibility and is particularly suitable for province wide application. Students are able to remain in their regular work environment and can apply new skills and theories as they are acquired. This ensures that fire departments, which might not have staffing levels or budgets to support leaves of absence, can still participate in training opportunities. Distance learning can be very cost effective as it saves travel and accommodation costs and the need to have personnel to fill in for staff away on training.

The Distance Education format includes a series of courses that allow fire service personnel to upgrade their knowledge through self-study of learning materials provided to them in their own locality. Distance Education allows students to work at their own pace within a structured semester system. Assignment deadlines are set for each semester (spring, fall, winter). Each semester lasts for three months commencing in September (fall semester), January (winter semester) and April (spring semester). For the distance programs, students receive course materials, read, write and submit assignments. Tutors will grade the assignments and comment on all student work.

The student's progress is monitored throughout the course. In conversation with their tutor and in through grades for assignments, students are aware of their progress. Upon completion of each course, the student's status is evaluated and the student is informed of his or her standing by the Fire and Safety Division.

Tutors

For each course, the student is assigned a "tutor". The student's progress is guided and evaluated by the Fire and Safety Division appointed tutor, who evaluates course assignments and projects. The tutor informs the Fire and Safety Division of the student's progress and submits marks for assignments to the Division.

Materials

The student registers for a specific program or course, usually in consultation with the Liaison Officer or Chief Training Officer. Each course contains the following:

- Course binder: This contains the administrative details, such as the name, telephone number and email address of the assigned tutor. The binder also contains objectives, instructional material, self-tests, practical exercises, and projects to be completed.
- Support materials: For several of the courses, additional textbooks or other materials are required. These are not included in the registration fee for the course and must be purchased separately.

Fire Service Leadership Diploma



Classroom Format:

Safety Division. ber of students. Departments wishing to host these courses should contact the Fire and courses can be delivered locally throughout the Province where there is a sufficient num-JIBC, New Westminster Campus. Please note that most of the classroom version of the ticipate via a classroom, Fire Officer I and II are offered in a full classroom format at the For those individuals or departments that wish to have their fire service personnel par-

Distance Education/Classroom Combination Format:

supplement these courses with a classroom version, as convenient. tance education courses. Students can register for courses via distance education and The classroom version of the courses is open to students who also participate in the dis-

Fire Officer

Prerequisites for certification to Fire Officer I: Fire Fighter Level I & II

Station Officer: Dealing with People

F105(distance education)/FC105(classroom)

protection in Canada, the formal organization of a fire department, theories of motiva-This course introduces the fire officer to the origins of and future trends affecting fire tion, leadership, coaching, and discipline.

Credits: 2

Presentation: Classroom Format: 5 days

Station Officer: Dealing with New Operations

F110 (distance education)/FC110 (classroom)

managing in-service inspections, and first responder services function, water supply, public fire safety education program, safety in the workplace, This course introduces the fire officer to the elements of managing an effective training

Credits:

Presentation: Classroom Format: 5 days

Fire Station Environment

F115 (distance education)/FC115 (classroom)

of fund raising. This course also looks at methods of promoting change in the Fire Service. management and the union local. Students of volunteer departments will study methods agement relations, and the balancing role a company officer must play between senior process and liability concerns, the role of chief officers, employment equity, union man-This course exposes fire officers to the pressures on a municipal organization, its budget

redits:

Presentation: Classroom Format: 5 days

Emergency Scene Management I

F120 (classroom)

This workshop prepares the student for the responsibilities of the incident commander. These are: to conduct the three phases of size up, prepare for a logical expansion of an incident, select the appropriate strategy based upon risk/benefit analysis and available resources, carry out (in a scenario) the six steps required to implement the tactical action model and conduct appropriate apparatus placement. Also covered are indications of structural stability and instability, and the actions a fire officer must take to ensure fire fighter safety.

Credits: 2

Prerequisites: Fire Fighter Level I & II

Presentation: Classroom Format: 5 days plus 2 evaluation days

Certification: Certificate of Achievement

Fire Service Instructor I

S101 (classroom)

This workshop will introduce the student to the techniques required to deliver a course from a prepared lesson plan. Students will be exposed to training aids, evaluation instruments and methods of establishing a proper learning environment. Students will also explore record keeping techniques. This course is accredited by IFSAC in compliance with NFPA 1041 Standard, (2002 ed.) actions a fire officer must take to ensure fire fighter safety.

Credits: 2

Presentation: Classroom Format: 2 days plus pre-course assignment

and evaluation

Certification: Certificate of Achievement (Accredited)

Note: See page 52 for a more detailed description of this course.

Fire Officer II

Prerequisites for certification to Fire Officer I: Fire Officer I

Fire Prevention Management

F150 (distance education)/FC150 (classroom)

This course will introduce the student to management techniques useful in developing the fire prevention function within a fire department. Managing in-service inspections and the management of fire investigation will also be explored.

Credits: 3

Presentation: Presentation: Classroom Format: 5 days

Fire Suppression Management

F155 (distance education)/FC156 (classroom)

This course will introduce the student to the relationships among fire risks, fire flows, personnel requirements, and pre-fire plans. Emphasis will be placed on the planning necessary prior to the sounding of the alarm. Please note: this is not a course on incident command.

Credits:

Presentation: Classroom Format: 5 days

Emergency Scene Management II

F160 (classroom)

This workshop prepares students to manage a major incident requiring a complex command staff and a number of divisional officers who report to the commander. Included in the course are sessions on Incident Safety Officer and Hazardous Materials On-Scene Incident Commander.

Credits: 2

Prerequisites: Emergency Scene Management I

Presentation: Classroom Format: 5 days plus a 1.5-hour evaluation

Certification: Certificate of Achievement

This course also satisfies the requirements of the Incident Safety Officer.

Fire Service Instructor II

S102 (classroom)

This workshop exposes the student to the scheduling, budget, records and reports, and instructor evaluation requirements of a Training Officer. Fire Service Instructor II will explore the elements of instructional development, delivery, course evaluations and test analysis. This course is accredited by IFSAC in compliance with NFPA 1041 Standard, (2002 ed.)

Credits: 1

Prerequisites: Fire Service Instructor I

Presentation: Classroom Format: 2 days plus a pre-course assignment

and evaluation

Certification: Certificate of Achievement (Accredited)

Note: See page 53 for a more detailed description of this course.

Public Educator

FC276

This course is intended for those people associated with the Fire Service in British Columbia and who have responsibility for, or an interest in, providing safety education to a wide range of people in their community. This course is only available to students registered in the Fire Officer II program. All other students must register in the Fire & Life Safety Educator I course (F276). Students completing the Public Educator Course and who want full certification to NFPA 1035 must complete the additional assignments and write a separate exam.

Credits: 2 Presentation: 2 days

Fire Officer III

Prerequisites for certification to Fire Officer III: Fire Officer II

With the exception of F230 – Emergency Scene Management III, all Fire Officer III and IV courses are currently offered via distance education only. Watch our website at www.jibc.bc.ca/fire for announcements of classroom and on-line versions of these classes. For more information please phone (604) 528-5657.

Communications: Study Skills

F205

This course introduces adult learners to the teaching and learning expectations of the Justice Institute of BC It includes a review of writing skills, concentrating on how to write papers, and a discussion of effective study skill techniques for distance learners. Please note that this course will become part of Fire Officer I in September 2005.

Credits: 3

Organizational Behaviour

F210

This course examines some of the basic concepts and principles of management and public administration. It provides an approach to such processes as planning, organizing, and controlling. It will address issues such as delegation of authority and organizational design and motivation.

Credits: 3

Personnel Management in the Fire Service I

F215

This course emphasizes personnel selection and the impact of the expanding role of the career fire fighter. It also examines the recruitment and retention of volunteer fire fighters.

Credits: 3

Fire Service Strategic Planning I

F220

This course will look at master planning as a concept which ties together the diverse elements of a fire department into a viable fire service system. It will provide clear understanding of the principles and concepts of master planning and will help students apply these concepts in their department.

Credits: 3

Municipal Finance

F225

This course examines the reasons for financial planning with particular application to the fire department budget. The budget cycle is examined and a brief introduction to public accounting is made. The module proceeds to examine sources of municipal revenue and the criteria to evaluate the effect of these sources on the community. The module ends with a more detailed presentation of municipal expenditures.

Credits: 3

Emergency Scene Management III

F230 (classroom)

In this course students will learn how to apply and use the Incident Command System for managing an emergency incident. Students work from a command post setting within a unified command structure on planning, implementing, managing and evaluating response to incidents that require multi-agency planning, deployment and operations. Students will also examine laws and standards that mandate an organized approach to managing emergency incidents, the elements and components of an effective emergency management system and a fire department's capability to implement an emergency management system.

Credits: 2

Prerequisites: Emergency Scene Management II

Presentation: Classroom Format: 5 days plus a 1.5-hour evaluation

Certification: Certificate of Achievement

Fire Officer IV

Prerequisites for certification to Fire Officer IV: Fire Officer III

Fire Service Law

F250

This course introduces fire officers to principles of law. Topics covered include tort law, particularly the lawsuits arising against fire departments, and criminal law as it applies to arson.

Credits: 3

Program Evaluation & Statistics

F255

This course is designed to help the student select research consultants who engage in comparative research, evaluation research or survey research for the fire service. The student is introduced to issues of research design and evaluation in the first lesson. The second lesson explores measures of central tendency and dispersion. The third lesson introduces simple correlation and regression. The final lesson introduces multiple regression.

Credits: 3

Government Organization & Structure

F260

This course provides an overview of the three levels of government in Canada and analyzes their organizations and structures. Particular attention is paid to the relationship between parliamentary democracy and decision-making at each level of government.

Credits: 3

Personnel Management in the Fire Service II

F265

This course emphasizes the effect of critical incident stress on fire fighters, and the ways to address this problem. It also emphasizes labour management relations by focusing on the collective bargaining process and the administration of the collective agreement.

Credits: 3

Master Planning

F270

This course is a major planning project prepared under the direction of an instructor.

Credits: 3

Municipal Emergency Preparedness Plan

F275

This workshop exposes students to the elements of a Municipal Emergency Management Plan, and enables students to develop an understanding of the Fire Service role in the Municipal Emergency Plan. Contact Geoff Burston at (604) 528-5679 or gburston@jibc.bc.ca for details.

Credits: 1

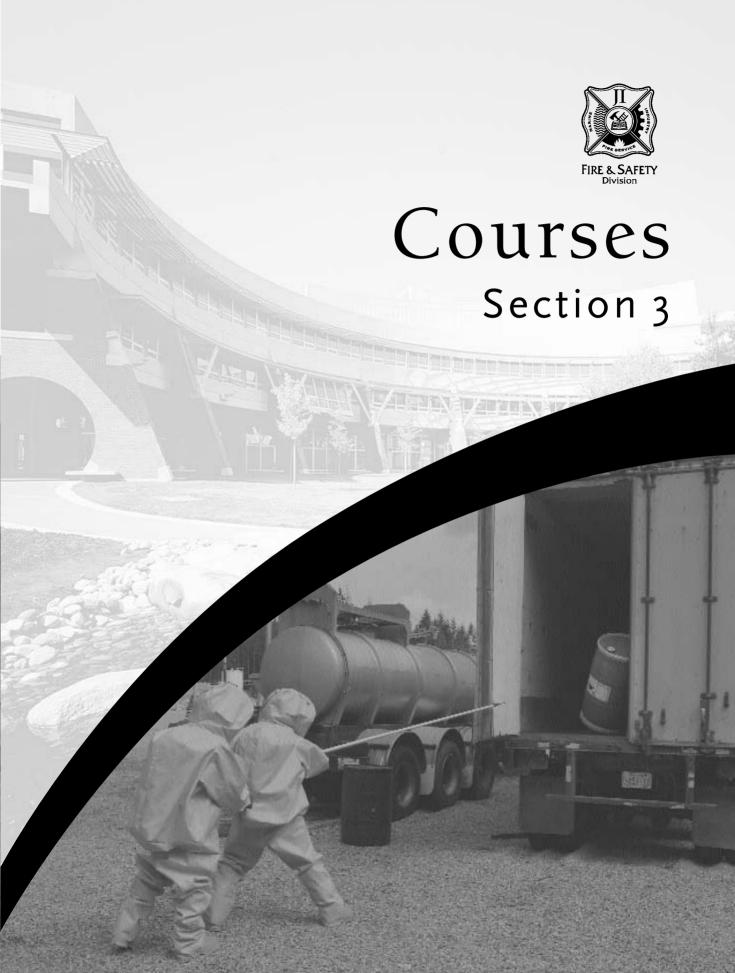
revised

Senior Leaders Course

F280

In this course, students will build on skills and knowledge acquired in previous courses to further enhance their leadership and management proficiency and to respond more effectively to department, community and government priorities. The course features two main components. In the first, students participate in a 360 degree analysis of their skills and abilities, and develop and implement an action plan based on their findings. In the second part of the course students meet with senior civic administrators to hear about issues they are dealing with at the municipal level and to get their perspective on issues that directly affect the fire service.

Credits: 1.5



Apparatus Training Courses

revised FS180

EMERGENCY VEHICLE DRIVER TRAINING (EVD))





This one-day course combines fire apparatus hands-on driver training and classroom theory. Training is conducted at the Boundary Bay Airport which is a restricted and controlled training site. The course is designed to introduce students to the practical driving requirements of Chapter Two of NFPA 1002 standard. This program focuses on defensive driving techniques, vehicle reference points, and the legal aspects of Section 122 of the Motor Vehicle Act. The course is scheduled upon client request.

Credits:

Prerequisites: Class 5 driver's license with air brake endorsement

Presentation: 1 day - Classroom and hands-on practical

Location: Boundary Bay Airport, Delta or client site (604) 462-1000

Certification: Certificate of Achievement

revised FS181

EMERGENCY VEHICLE OPERATION (EVO)



This course is designed to educate and evaluate Driver/Operators in the use of Fire Department Pumping Apparatus. It is accredited by IFSAC and meets the NFPA 1002 Standard. Students will receive interactive training in preventative maintenance, vehicle maneuvering, driving/operating, water supply, relay pumping, foam production and drafting. A written and practical evaluation is required to ensure NFPA Standards are achieved. Successful students will have an appropriate mix of theoretical knowledge and practical skills to ensure the apparatus and personnel get to the scene safely and that the apparatus is utilized to its fullest potential. This program is designed to be delivered inhouse by department instructors. Fire and Safety Division evaluators will conduct evaluations. The course is scheduled upon client request.

Credits:

Prerequisites: Basic knowledge of pumps and hydraulics and a class 5

drivers license with air brakes. Completion of the pre-reading

requirement.

Presentation: In-house instruction/Fire and Safety Division evaluation

Location: Client site

Certification: Certificate of Achievement, (Accredited)

Recommended Text: Pumping Apparatus: Driver/Operator Handbook



PUMPS AND PUMPING





In this course the student will receive hands-on training in the use of vehicle mounted pumps. Through classroom instruction combined with hands-on training students will learn: vehicle maintenance; field hydraulics; driver responsibilities. The student will be challenged with a variety of pumping scenarios.

Credits:

Prerequisites: Valid driver's license with Air Brake Endorsement Presentation: 4 days – Classroom lecture and practical exercises Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

Emergency Scene Management Courses

F120 (classroom)

EMERGENCY SCENE MANAGEMENT I



This workshop prepares the student for the responsibilities of the incident commander. These are: to conduct the three phases of size up, prepare for a logical expansion of an incident, select the appropriate strategy based upon risk/benefit analysis and available resources, carry out (in a scenario) the six steps required to implement the tactical action model and conduct appropriate apparatus placement. Also covered are indications of structural stability and instability, and the actions a fire officer must take to ensure fire fighter safety.

Credits:

Prerequisites: Fire Fighter Level I & II

Presentation: Classroom Format: 5 days plus 2 evaluation days Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement

F160 (classroom)

EMERGENCY SCENE MANAGEMENT II



This workshop prepares students to manage a major incident requiring a complex command staff and a number of divisional officers who report to the commander. Included in the course are sessions on Incident Safety Officer and Hazardous Materials On-Scene Incident Commander.

Credits:

Prerequisites: Emergency Scene Management I

Presentation: Classroom Format: 5 days plus a 1.5-hour evaluation Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement

This course also satisfies the requirements of the Incident Safety Officer.

F230 (classroom)

EMERGENCY SCENE MANAGEMENT III



In this course students will learn how to apply and use the Incident Command System for managing an emergency incident. Students work from a command post setting within a unified command structure on planning, implementing, managing and evaluating response to incidents that require multi-agency planning, deployment and operations. Students will also examine laws and standards that mandate an organized approach to managing emergency incidents, the elements and components of an effective emergency management system and a fire department's capability to implement an emergency management system.

Credits: 2

Prerequisites: Emergency Scene Management II

Presentation: Classroom Format: 4 days plus a 3-hour evaluation (Please

note that in September 2005 the format will change to 5 days

plus a 3-hour evaluation.)

Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement

Fire Fighting Courses

revised FS184

FIRE AND STRUCTURAL INTEGRITY



This one-day course combines fire apparatus hands-on driver training and classroom theory. Training is conducted at the Boundary Bay Airport which is a restricted and controlled training site. The course is designed to introduce students to the practical driving requirements of Chapter Two of NFPA 1002 standard. This program focuses on defensive driving techniques, vehicle reference points, and the legal aspects of Section 122 of the Motor Vehicle Act. The course is scheduled upon client request.

Note: This course is offered by contract only.

Credits: 5
Prerequisites: None

Presentation: Classroom lecture and demonstrations
Location: Maple Ridge or client site (604) 462-1000

Certification: Record of Attendance

Recommended Text: Essentials of Fire Fighting & Building Construction Related

to the Fire Service



INCIDENT SAFETY OFFICER





This course is designed to provide the skills to function efficiently as a Safety Officer in emergency incident operations. The primary focus will be on developing decision-making skills through recognition of cues that affect personnel safety while responding to an incident. As this is an incident-specific, scene-oriented course, designed to teach what a Safety Officer needs to know, there will be use of hands-on and table-top scenarios to convey instructional points. This course is in compliance with NFPA 1521.

Credits:

Prerequisites: Experienced fire fighters or industrial fire brigade members

Presentation: 2 days – Classroom lecture and interactive scenarios

Location: Maple Ridge or client site (604) 462-1000 **Certification:** Certificate of Achievement (Accredited)

Recommended Text: Fire Department Safety Officer



revised FS171

LIVE FIRE - LEVEL I



A fire fighter completing Level I will have the appropriate mix of theoretical knowledge and practical skills and techniques to function effectively and safely as an integral member of a fire fighting team when engaged in fire suppression activities. Participants will develop the following practical skills and techniques for structural fires, interior/exterior attacks and ventilation: Class A materials - exterior, combustible liquid, vehicle fires, storage containers, class A materials interior. This course is in conformance with NFPA 1001.

Credits: 1

Prerequisites: Confirmation from the Department Fire Chief or supervis or

on competency in the following subjects: safety and orientation, ladders, fire streams, fire hose and appliances, fire

behavior, SCBA, ventilation and rescue

Presentation: 2 days – Classroom and live fire exercises

Location: Maple Ridge Campus or TBA (604) 462-1000

Certification: Certificate of Achievement

revised FS172

LIVE FIRE - LEVEL II





A fire fighter completing this level will develop practical skills and techniques to extinguish and control the following: an exterior combustible liquids fire of at least 100 sq. ft. (9m²) using a foam fire stream; a fire in an elevated location within a structure (e.g. upper level, attic); a hidden fire within a structure (e.g. within walls, crawl spaces); a fire involving energized electrical components; a fire involving a flammable gas cylinder; a fire in a below grade or other location requiring initial attack from above. This course is in conformance with NFPA 1001.

Credits:

Prerequisites: Live Fire Level I

Presentation: 2 days – Classroom lecture and field exercises **Location:** Maple Ridge Campus or TBA (604) 462-1000

Certification: Certificate of Achievement

LIVE FIRE - LEVEL III





This level is designed to enhance the skills, knowledge and safety of the fire fighter. The course introduces the fire fighter to working in the role of an incident commander. The Incident Commander will size up emergency scenes and formulate strategic goals and tactical objectives. Participants will apply the Incident Command System (ICS) using passport accountability to live fire scenarios.

Credits:

Prerequisites: Senior fire fighter with Live Fire Level II
Presentation: 2 days – Classroom lecture and field exercises

Location: Maple Ridge Campus (604) 462-1000

Certification: Certificate of Achievement

LIVE FIRE SPECIAL



The objective of this course is to design live fire training scenarios which meet the specific needs of the individual Fire Department or Industrial Brigades. This scenario based training incorporates the client's operating guidelines and suppression techniques used by a Fire Department or industry.

Credits: None

Prerequisites: Confirmation from the Department Fire Chief on competency

in the following subjects: safety and orientation, ladders, fire streams, fire hose and appliances, fire behaviour, SCBA, venti-

lation and rescue

Presentation: Customized

Location: Maple Ridge Campus (604) 462-1000 or TBA

Certification: Record of Attendance

revised FS191 RAPID INTERVENTION TEAM (RIT)





In this hands on course, participants will obtain the knowledge, skills and abilities necessary to operate effectively both as a Rapid Intervention Team as well as an individual team member. Through interactive exercises this course will improve the effectiveness, efficiency and safety of the emergency personnel operating in an unpredictable emergency environment. This course will assist Rapid Intervention Teams, emergency departments and individual personnel in meeting legal and jurisdictional responsibilities.

Credits: 1.5

Prerequisites: It is preferred that the candidate have and understanding of

fire ground operations and methodology, be competent and experienced in PPE and SCBA and possess a knowledge of

incident command system.

Presentation: 2 1/2 day – Interactive classroom and field exercises

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

SHIPBOARD FIRE FIGHTING FOR THE LAND BASED FIRE FIGHTER





This course is based on the NFPA 1405 standard with additional Canadian content. It teaches the student basic suppression techniques involved onboard marine vessels. Nautical terminology is taught, as is basic vessel layout. Compartments are identified and their functions listed. Shipboard organization in relation to marine fire fighting is examined. A tour of marine vessels is part of the course.

Credits: Prerequisites: None

Presentation: Classroom and ship visits

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

Recommended Text: Marine Fire Fighting for Land-Based Fire Fighters

revised FS187

STRATEGIES AND TACTICS



Using video, computer simulation, and model towns, students will manage the attack and coordinate the suppression on several structure fires in buildings of various occupancies. This course is directed towards line fire fighters and officers. It addresses fire behaviour, scene management, ventilation techniques and methods of structural fire attack. The course objective is to incorporate fire control with an effective emergency scene management system. The course is scheduled upon client request.

Credits:

Prerequisites: Fire department personnel or industrial clients Presentation: 2 days - Classroom theory and hands-on practical Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Record of Attendance

revised FS160

VEHICLE RESCUE - LEVEL I



This course familiarizes the student with Accident Scene Management, Air Bag Technology, New Vehicle Construction and Design and Alternative Fuel Vehicles. Upon completion of this course the participant will possess the ability to recognize applicable hazards, properly use appropriate tools and equipment, and be able to demonstrate techniques necessary to safely and effectively support, and participate in a vehicle extrication scenarios. This course is in compliance with NFPA 1006.

Credits:

Able to vertically lift 75 pounds Prerequisites:

2 days - Classroom lecture and hands-on practical exercises Presentation:

Location: Maple Ridge or client site (604) 462-1000

Certification: Certificate of Attendance **Recommended Text:** Principles of Vehicle Extrication



VEHICLE RESCUE- LEVEL II





This course is based on the NFPA 1405 standard with additional Canadian content. It teaches the student basic suppression techniques involved onboard marine vessels. Nautical terminology is taught, as is basic vessel layout. Compartments are identified and their functions listed. Shipboard organization in relation to marine fire fighting is examined. A tour of marine vessels is part of the course.

Credits:

Prerequisites: Vehicle Rescue - Level I

Presentation: 2 days - Classroom lecture and scenario based training

Location: Maple Ridge or client site (604) 462-1000

Certification: Certificate of Achievement

Forest Fire Suppression Courses

S100

BASIC FIRE SUPPRESSION AND SAFETY





This course was developed by the BC Forest Service Protection Branch to meet regulatory requirements including Workers' Compensation Board of BC, which states that all workers fighting forest fires must be trained and then retrained annually. This includes people who are hired to temporarily fight fires. This course covers: fire line safety, the fundamentals of fire fighting, fire behaviour and water delivery using portable pumps and gravity systems.

Credits: . Prerequisites: None

Presentation: 1 day - lectures, classroom and field exercises Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

new

FIRE OPERATIONS IN THE WILDLAND URBAN INTERFACE (WUI)







Upon completion of this course, the participant will be able to size up and evaluate a potential WUI situation, deploy the necessary resources using safe and efficient strategies and tactics to minimize property damage. This course is designed for Fire Department personnel.

Credits:: Prerequisites: S100

Presentation: 2 days - lectures, classroom and field exercises Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

Fire Investigation Courses

new FPI

FPIN150

FIRE INVESTIGATOR I – FIRE CAUSE AND ORIGIN



This course introduces students who are members of regulatory or enforcement agencies to fire investigation and the role and responsibilities of the fire investigator. Students will examine the applicable legal and regulatory requirements, including relevant legislation and standards, and the relationship of the fire investigator with other entities involved in the investigation. Students will learn the fundamentals of fire science and causal factors in order to determine the origins and causes of fire and meet reporting requirements.

Credits: 1.5

Prerequisites: Hazardous Materials Emergency Response Awareness

Presentation: 3 days classroom

Location: New Westminster Campus **Certification:** Certificate of Achievement

Recommended Text: NFPA 921 Guide for Fire and Explosion Investigations 2001

Edition and IFSTA "Fire Investigator" 1st Edition

Hazardous Materials Courses

new

FS121

ATMOSPHERIC MONITORING



This course is designed for individuals who are required to operate atmospheric monitoring instruments, either in an industrial application or as emergency personnel, responding to Hazmat or Confined Space emergencies. In this course the theory of operation and care, maintenance and calibration and of several types of instruments is covered in detail. Hands-on laboratory activities allow the students to practice conducting air sampling and formulate strategies required to mitigate an incident.

Credits: 1
Prerequisites: None

Presentation: 2 days – Classroom lectures and hands-on practical exercises

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Attendance

revised FS122

HAZARDOUS MATERIALS EMERGENCY RESPONSE-SPILL CONTROL



This course focuses on safe emergency response procedures to control hazardous materials spills. The course will give the student the basic knowledge and skills necessary to respond safely, identify the hazard and perform appropriate spill control techniques. This course is scheduled upon client request and is customized to meet the client's requirements.

Credits: . 5
Prerequisites: None

Presentation: Customized length, using lectures, classroom and field

exercises

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Record of Attendance

FS125

HAZARDOUS MATERIALS EMERGENCY RESPONSE-AWARENESS



This course focuses on the recognition of a hazardous emergency, personnel safety, hazard assessment, and the notification of the emergency response team using safe, practical, defensive actions all of which are critical components required when dealing with a hazardous situation. Techniques learned are practiced in simulated emergencies where the Incident Command System (ICS) is introduced. This course is accredited by IFSAC and Proboard in compliance to NFPA 472.

Credits: .5
Prerequisites: None

Presentation: 1 day – lectures, classroom and field exercises, or if

combined with Hazmat Operations course, 5 days

Location: Maple Ridge Campus or client site (604) 462-1000
Certification: Certificate of Achievement (Accredited)

Recommended Text: JIBC Hazardous Materials – Awareness, Student

Study Guide

revised FS128

HAZARDOUS MATERIALS EMERGENCY RESPONSE-OPERATIONS



This course is a necessity for employees of industries who manufacture, transport or store chemicals or other hazardous materials as well as fire and police personnel who respond to hazardous materials incidents including spills or drug labs. Participants will develop the skills to identify hazardous materials, determine the appropriate safety precautions, apply the principles of the Incident Command System (ICS) and the 8-Step Process of Managing a Hazmat Incident. Through hands on scenarios, students will respond to simulated incidents wearing all required appropriate protective equipment and successfully demonstrate response management and the establishment of decontamination areas and procedures. This course is accredited by IFSAC and Proboard in compliance to NFPA 472.

Credits: 2

Prerequisites: NFPA or ProBoard accredited Hazardous Materials

Emergency Response - Awareness

Presentation: 4 days – lectures, classroom and field exercises, or if

combined with Hazmat Awareness course, 5 days

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement (Accredited)

Recommended Text: JIBC Hazardous Materials - Operations, Student

Study Guide

HAZARDOUS MATERIALS EMERGENCY RESPONSE-TECHNICIAN





This course is a necessity for emergency responders from industry, fire, police and all other personnel who are required to respond offensively and manage personnel at a hazardous materials emergency incident. Utilizing the Incident Command System, the 8-Step process, monitoring equipment, specialized technical information resources and spill confinement techniques, the successful participant will be able to assess the risks and safely mitigate exposure to physical and chemical hazards at a hazardous materials incident. Advanced scenarios using the railcar derailment, transport trailers and other containers teach and practice offensive control techniques. This course is accredited by IFSAC and Proboard in compliance to NFPA 472.

Credits:

Prerequisites: NFPA or ProBoard accredited Hazardous Materials

Emergency Response - Operations

Presentation: 5 days – lectures, classroom and field exercises

(plus 1 evening scenario)

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement (Accredited)

Recommended Text: JIBC Hazardous Materials - Technician, Student

Study Guide

NOTE: It is strongly recommended that the Hazmat Operations course be taken in conjunction with this course as the course content is closely blended to build on each other.

new FS137

HAZARDOUS MATERIALS EMERGENCY RESPONSE FOR INCIDENT COMMANDERS – CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR TERRORISM





This course provides the Incident Commander with the necessary tools to manage a hazmat incident. Exploration of public protection strategies, methods of interacting with other agencies and input into the hot zone plan are all core topics explored over the two day course. Special attention is also given to action planning and the unified command system. Skills are developed and applied using practical scenarios with tabletop models.

Credits: 1

Prerequisites: It is strongly recommended that the participant have NFPA

or ProBoard accredited Hazardous Materials Emergency Response – Technician level however we will accept NFPA or

ProBoard accredited Hazardous Materials Emergency Response – Operations and field experience.

Presentation: 2 days – lectures, classroom and field exercises

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

FS136

HAZARDOUS MATERIALS EMERGENCY RESPONSE - REFRESHER





This two-day refresher course begins with a review of the potential health and chemical hazards. From that point, training occurs mostly in the field and consists of scenarios that will challenge Hazmat personnel from both industry and the fire service. Using accessible reference materials and applicable rules and regulations the students will apply the Incident Command System in the mitigation of hazardous materials scenarios.

Credits:

Prerequisites: It is strongly recommended that the participant have NFPA

> or ProBoard accredited Hazardous Materials Emergency Response – Technician level however we will accept NFPA or

ProBoard accredited Hazardous Materials Emergency

Response - Operations.

Presentation: 2 days - lectures, classroom and field exercises Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

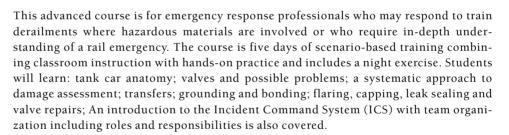
Recommended Text: IIBC Hazardous Materials - Technician, Student

Study Guide

revised FS133

RAIL TANK CAR SPECIALIST





Credits:

Prerequisites: JIBC Hazardous Materials Emergency Response -

> Operations or an accredited Hazardous Materials Emergency Response – Technician course from another

training institution.

Presentation: 5 days - classroom lectures and field exercises - including

one night scenario

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

Industry Courses

new

FS189

BUILDING CONSTRUCTION





This course provides an understanding of how various structures react under fire conditions and how to deal with them in a safe manner. Through lectures and field activities, participants will examine how structures react under fire conditions and explore the methods to deal with them in a safe manner. Topics covered include: common construction methods; building codes; fire separations; fire growth and fire spread in structures; effects of fire on common building materials; ventilation options and considerations; building collapse identifiers and strategies for dealing with the various types of structures.

Credits: 1 Prerequisites: None

Presentation: 2 days - Classroom lecture and field exercises

Location: Maple Ridge Campus (604) 462-1000

Certification: Certificate of Attendance

revised FS001

FIRE SAFETY AND EXTINGUISHER TRAINING





This course will explain fire behaviour, the fire tetrahedron, extinguisher selection and application. It will also touch on fire safety at work and proper safety procedures to follow in the event of a fire. The course has valuable information for employees of service stations, school districts, hospitals, hospitality and transportation industries, long term care facilities, etc.

Credits: None Prerequisites: None

Presentation: 4 hours - Classroom lecture and practical exercises Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Record of Attendance

FS190

H₂S SAFETY & RESPONSE





This course will ensure that the student will obtain thorough knowledge of Hydrogen Sulfide (H₂S), it's physical properties, hazards and the regulations surrounding it. In addition they will learn the proper ways of dealing with the gas releases in a safe and efficient manner including appropriate response procedures. (This program does not certify the individual as a qualified rescuer but centralizes the focus on a specific product, H₂S.)

Credits: ٠5 Prerequisites: None Presentation: Classroom

Location: Maple Ridge Campus (604) 462-1000

Certification: Certificate of Attendance

INDUSTRIAL FIRE FIGHTER — AWARENESS



on fire extinguishers involves live fire in controlled settings. The course is scheduled At the conclusion of this two-day program, the successful student will have the basic knowledge and skills required to become a valuable member of an incipient level Fire Brigade. Course content consists of fire extinguisher theory and practical evolutions, and self-contained breathing apparatus (SCBA), theory and practical evolutions. Instruction upon client request.

Credits:

2 days – Classroom lectures and field exercises None Prerequisites:

Presentation:

Maple Ridge Campus (604) 462-1000 Location:

Certificate of Achievement Certification:

revised FS141

INDUSTRIAL FIRE FIGHTING - LEVEL



Upon successful completion of this course the participant will have the knowledge and tions and brigade organization, fire behavior and chemistry of fire, hose systems, safety principles, SCBA and PPE utilization, identification of storage container characteristics, search and rescue, fire detection and alarm system, ladders, salvage and overhaul. This The course content includes: identification of fire hazard considerations, local regulaskills required to be a competent member of an Industrial Fire Brigade Response Team. course is accredited by IFSAC and ProBoard in conformance to NFPA 1081.

Credits:

FS125 Hazardous Materials Response-Awareness 5 days - Classroom lectures and field exercises Prerequisites: Presentation:

Certificate of Achievement (Accredited) Maple Ridge Campus (604) 462-1000 Location:

Certification:

Recommended Text: Industrial Fire Brigade Training: Incipient Level



INDUSTRIAL FIRE FIGHTING - LEVEL II



exterior fires as a member of the Industrial Fire Brigade Team. The course covers the on scenarios, theory and practice, the learner will develop the ability to master advanced This course builds on the skills and knowledge acquired in Level I and provides the participant with exposure to fires of an increased complexity. Through exposure to handsapparatus, techniques, and tools required in an industrial setting for a fire of this nature. This course is accredited by IFSAC and ProBoard compliance to NFPA 1081.

Industrial Fire Fighting – Level I that meets the require Prerequisites: Credits:

5 days - classroom lectures, field exercise and live fire training Maple Ridge Campus (604) 462-1000 **Presentation:** Location:

ments of Chapter 5 of NFPA 1081

Certificate of Achievement (Accredited) Certification:

INDUSTRIAL FIRE FIGHTING - LEVEL III



This course provides the student the opportunity to advance the skills obtained in Levels sure to hands-on scenarios, theory and practice, the learner will develop the ability to master an interior structural fire as a member of the Industrial Fire Brigade Team. This fire of this nature. This course is accredited by IFSAC and ProBoard in compliance to course covers the apparatus, techniques, and tools required in an industrial setting for a I and II in order to safely mitigate a response to an interior structural fire. Through expo-NFPA 1081.

Credits: 2.5

Industrial Fire Fighting – Level II that meets the require Prerequisites:

ments of Chapter 6 of NFPA 1081

5 days - classroom lectures, field exercise and live fire Presentation:

training

Location: Maple Ridge Campus (604) 462-1000

Certification: Certificate of Achievement (Accredited)

FS144

INDUSTRIAL FIRE FIGHTING - BRIGADE TEAM LEADER



course also explores the underlying management and leadership skills required by the skills required to effectively establish command, use Emergency Response Procedures and oversee the Emergency Response of an Industrial Fire Brigade. This Upon successful completion of this five-day course the student will have the knowledge team leader away from emergency situations. This course is accredited by IFSAC in compliance to NFPA 1081.

Credits:

Industrial Fire Fighting – Level III that meets the require-Prerequisites:

ments of Chapter 7 of NFPA 1081

5 days - classroom lectures, field exercise and live fire Presentation:

training

Location: Maple Ridge Campus (604) 462-1000

Certification: Certificate of Achievement (Accredited)

FS148

REFINERY FIRE FIGHTER - LEVEL I



gency procedures is followed by field exercises with extinguisher or foam. Individual A review of fire theory and behaviour, classes of fire, extinguisher use and plant emerand team exercises are performed. A classroom review of BLEVE hazard is followed by field exercises on propane fires.

Credits:

Letter of recommendation from manager or supervisor **Prerequisites:**

Presentation:1 day — Classroom lecture and field exercisesLocation:Maple Ridge Campus (604) 462-1000

Certification: Record of Attendance

INDUSTRIAL FIRE FIGHTING - LEVEL II FS149



propane, gasoline (flange fires) and diesel fires. Students use extinguishers, in-line Opportunity is given for team leaders to control their members during exercises under A review of SCBA, ICS and team response to fires is followed by field exercises on foam, hoses and wheeled units while responding in full turnout gear (including SCBA). the instructor's supervision. The course is scheduled upon client request.

Refinery Fire Fighter – Level I Prerequisites: Credits:

1 day – Classroom lecture and field exercises Presentation:

Maple Ridge Campus (604) 462-1000 Certificate of Attendance Certification: Location:

Inspector Courses

FIP100





The Justice Institute has partnered with the NFPA to deliver the Fire Inspector I course. The goals of this course are to:

- Enhance professionalism within the fire inspection industry.
- Recognize and provide evidence of competence as related to NFPA 1031.
 - Ensure proficiency in the use of codes and standards.

This course is in three phases:

Phase I: Preparation for a Written Examination

This is done through a 42-hour classroom session.

Phase II: The Written Examination

provided by and marked by IFSTA. The Justice Institute is responsible for administration This four-hour examination is designed to evaluate a student's knowledge of fire inspection principles and code application at the level of NFPA Fire Inspector I. The examination is and proctoring of the examination.

Phase III: The Practicum

checklists for thirteen target occupancies, of which they must select seven (these must If successful in the written examination, students are eligible to continue to the Practicum phase. This is designed to ensure that an individual has experience in their particular field prior to becoming certified. The student is provided with workbooks and include a sprinklered facility and a commercial kitchen facility). Once completed, the checklists are forwarded to the NFPA via the Justice Institute for review and acceptance.

tion of the course, students receive a joint NFPA/Justice Institute certificate. This course All BC applicants register through the Fire and Safety Division. Upon successful compleis accredited by IFSAC and ProBoard in compliance with NFPA 1031

None Prerequisites: Credits:

Classroom Format: 8 days Presentation:

New Westminster Campus or client site (604) 528-5657 Certificate of Achievement (NFPA/JIBC; Accredited) Certification: Location:

FIP200



FIRE INSPECTOR II

This course builds on the skills and knowledge developed in the Fire Inspector I (FIP100), to achieve Level II of the most current NFPA 1031 Standard.

ful candidates receive a joint certificate from the NFPA and the Justice Institute of BC, As with Inspector I, this course is accredited by both IFSAC and Pro Board, and successbearing an accreditation seal.

Topics covered include:

Administration: This duty involves research, interpretation of codes, implementing policy, testifying at legal proceedings, and creating forms and job aids. Field Inspection: This duty involves code enforcement, inspections and analysis of new and existing structures and properties for construction, occupancy, fire protection and exposures.

struction documents to ensure that they meet the intent of applicable codes and standards Plans Review: This duty involves field verifications of shop drawings, plans and confor fire and life safety. The course is workshop-based with 42 hours of in-class instruction. The delivery methodology is largely based on case studies. This is followed by a written examination. Following the written examination, the candidates conduct five inspections, comprising two site plans and three fire plans.

Credits: 3
Prerequisites: Fire Inspector I (FIP100)

Presentation: Classroom Format: 6 days

New Westminster Campus or client site (604) 528-5657

Certificate of Achievement (NFPA/JIBC; Accredited) Certification:

FIP150

PLAN EXAMINER I



The Plan Examiner I course is a partnership between the Justice Institute and the NFPA. The process for completing the courses (listed below) is similar to Fire Inspector I FIP100 (please refer to previous page).

Although not a requirement, it is recommended that students take BC Fire Code I and BC Building Code I in conjunction with Plan Examiner I.

This Plan Examiner I course, together with BC Fire Code I (see page 51), and BC Building Code I extends the knowledge gained from Fire Inspector I and develops the requisite knowledge for the inspection function. It introduces or refreshes the fire plan examiner with regard to practices, principles and theory.

This course is in three phases:

Phase I: Preparation for a Written Examination (6 days)

This is a 42-hour classroom course which prepares the student for the written examination.

Phase II: The Written Examination (1 day)

Before taking the exam, students get the opportunity to review the course materials. Following this review the four-hour examination is designed to evaluate a student's knowledge of principles and code application at the level of NFPA Fire Plan Examiner I. The examination is provided by and marked by IFSTA. The Justice Institute is responsible for the administration and proctoring of the examination.

Phase III: The Practicum

Following the written examination, students are led through a series of practical applications. The exercises and materials produced by the students as part of the evaluation are submitted, via the Justice Institute, to the NFPA for review.

All BC applicants register through the Fire and Safety Division. Upon successful completion of the course, students receive a joint NFPA/Justice Institute certificate. This course is accredited by IFSAC and ProBoard in compliance with NFPA 1031

Credits:

Prerequisites: Fire Inspector I (FIP100)
Presentation: Classroom Format: 6 days

Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement (NFPA/JIBC; Accredited)

FIP160

BC FIRE CODE I





This three day workshop introduces students to the Fire Services Act, various parts of the BC Fire Code, relevant referenced standards and city by-laws. The parts of the fire code covered are:

Part 1: Applications and Definitions

Part 2: Building and Occupant Safety

Part 3: Industrial and Commercial Occupancies

Part 4: Flammable and Combustible Liquids

Part 5: Hazardous Materials, Processes and Operations

Part 6: Fire Protection Equipment (Introduction)

Part 7: Inspector Testing and Maintenance of Fire Emergency Systems in High Buildings

Credits:

Prerequisites: Fire Inspector I, Plan Examiner I recommended

Presentation: Classroom Format: 3 days

Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement

FIP170

BC BUILDING CODE I



This one-day course extends the knowledge gained from the previous study to develop knowledge of the standards and codes as they relate within the Province of British Columbia. It is recommended that this course be taken in conjunction with Plan Examiner I (FIP150) and BC Fire Code I (FIP160).

Credits:

Presentation: Classroom Format: 1 days

Location: New Westminster Campus or client site (604) 528-5657

Certification: Certificate of Achievement

F276 FIRE & LIFE SAFETY EDUCATOR I



This course is intended primarily for those people associated with the Fire Service in British Columbia and who have responsibility for, or an interest in, providing safety education to a wide range of people in their community.

The course covers:

- The administration of the public education function, including the use of forms, reporting procedures, scheduling activities and report writing and record maintenance.
- The planning and development function, including community and organizations, fire and life safety issues, the leading types of injuries in your community, and
- The different strategies which can be used in education and fire prevention, together with the learning characteristics of varied audiences and appropriate instructional material, depending on the "target population" of the group being taught.

continued on page 52

- Maintaining safety during fire and life safety education activities, given a lesson plan and list of equipment, so that public fire and life safety activities are conducted with out injury to educator or students.
- Presentation of a lesson, given a lesson plan with multiple presentation methods, evaluation instruments a time allotment, setting and identified audience, so that the lesson plan is followed and the objectives are met.
- Notifying the public, given a scheduled event, so that the location, date, time, topic and sponsoring agency are included.
- Distribution of educational information, given material, a specified audience and time frame, so that the information reaches the audience within the specified time.
- Administration of an evaluation instrument, given the appropriate evaluation instrument and testing policies and procedures, so that lesson outcomes are known.
- Scoring an evaluation instrument, given the scoring procedures and grading scale, so that lesson outcomes are known.

The overall goal of the course is to provide you with the skills and knowledge needed to plan and deliver sound education in fire and life safety. Once you have mastered these competencies, your confidence will increase and you will find the role much easier to carry out.

Credits:

Prerequisites: Fire Service Instructor I is a co-requisite with this course

and is required for full certification to NFPA 1035. Students without Fire Service Instructor I may take the course

without certification.

Presentation: Classroom Format: 2 days plus pre-course assignments

Certification: Certificate of Achievement (Accredited) When taken in com-

bination with the Fire Service Instructor I, Fire & Life Safety Educator I meets the requirements of the National Fire Protection Agency (NFPA) 1035 Standard (2000 Edition). Based on the NFPA 1035 Standard, this course satisfies the requirements for accreditation by the IFSAC and ProBoard.

Instructor Courses

Note: The Fire and Safety Division encourages fire departments to "host" the Fire Service Instructor Courses. Please contact the Fire and Safety Division New Westminster Campus at (604) 528-5657 for procedures on hosting this course.

S101 FIRE SERVICE INSTRUCTOR I



This is a thirty two-hour IFSAC and ProBoard accredited course emphasizing instructional and evaluation methods and techniques that can be used to present skills and information from prepared materials. This course meets Level I of the National Fire Protection Association (NFPA) 1041 (2002 ed.) Standard by providing the instructor with the knowledge and ability to:

- deliver instruction effectively from a prepared lesson plan, including instructional aids and evaluation instruments,
- adapt lesson plans to the unique requirement of the students and authority having jurisdiction,

continued on page 53

- organize the learning environment so that learning is maximized, meet the record-keeping requirements of authority having jurisdiction.

ing and completing the provided student workbook and assembling prepared materials spends approximately 16 hours reviewing and preparing materials. This includes read-Distance Education Component: Prior to attending the classroom session, the student from their own Fire Department.

participate in a two and a half day classroom session, where they adapt the prepared Classroom Component: Having reviewed and prepared pre-course materials, the students materials for delivery.

Credits:

None Prerequisites: Classroom format: 2.5 days plus pre-course assignment Presentation:

and evaluation

Certificate of Achievement (Accredited). Certification:

FIRE SERVICE INSTRUCTOR II S102

development and implementation of instruments for the evaluation of subordinate This is a forty two-hour accredited course with emphasis on program management, lesson instructors. This course meets the Level II of the National Fire Protection Association (NFPA) 1041 standard (2002 ed.).

and completing the provided Student Workbook and assembling prepared materials from Distance Education Component: Prior to attending the classroom session, the students spend approximately 22 hours reviewing and preparing materials. This includes reading their own Department.

Classroom Component: Having reviewed and prepared pre-course materials, the students participate in a 20-hour classroom session, where they adapt the prepared materials for delivery and make major presentations.

They also learn to perform evaluations of other instructors.

Credits:

Fire Service Instructor I Prerequisites: Classroom format: 3 days plus a pre-course assignment Certificate of Achievement (Accredited) Presentation: Certification:

Note: The Fire and Safety Division encourages fire departments to "host" the Fire Service Instructor Courses. Please contact the Fire and Safety Division at (604) 528-5657 for procedures on hosting this course.



Technical Rescue Courses

revised FS165

CONFINED SPACE RESCUE – AWARENESS



Using a combination of classroom discussion and skill based training participants will develop the ability to initiate and conduct non-entry confined space rescue. Participants will gain insight into hazard identification, assessment and control, incident response, regulatory requirements for entry and rescue, first responders' roles and responsibilities, and limitations of standard and specialized confined space equipment. This course meets the training requirements for basic and general entry operations as determined by the WCB of BC and NFPA 1670 Confined Space Rescue Awareness Level. It is accredited by ProBoard to NFPA 1006

Credits: 1

Prerequisites: None

Presentation: 2 days Classroom lecture and field exercises
Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement (Accredited)

new FS166

CONFINED SPACE RESCUE - OPERATIONS



Utilizing a systematic approach to the rescue process participants will gain the skills and knowledge to conduct rope based rescue operations in a variety of confined space environments. To that end the mechanics of rope based rescue systems will be explored emphasizing the selection, construction, proper use, and limitations of these systems in the industrial environment. In addition participants will gain practical experience and insight in the use of communication systems, technical resource material, patient packaging devices, atmospheric monitoring equipment, air sampling strategies, and strategies/tactics for successful emergency entry operations. It is accredited by ProBoard to NFPA 1006

Credits:

Prerequisites: Accredited Confined Space – Awareness
Presentation: 4 days – Classroom lecture and field exercises
Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement (Accredited)

new

FS167

CONFINED SPACE RESCUE - TECHNICIAN





Participants will acquire the skills and knowledge to safely and effectively coordinate, perform, and supervise a technical confined space rescue incident. To that end advanced concepts in incident command, rescue strategies and tactics, site management, team leadership, hazard mitigation, equipment and resource management, information gathering and utilization, advanced rescue techniques, technical rescue pre-planning and rescue scene management and termination will be explored and developed by the end of this course. This course is accredited by ProBoard to NFPA 1006

Credits: 2

Prerequisites: Accredited Confined Space-Operations. It is suggested that the

participant also have accredited Technical High Angle Rope Rescue-Operations and Hazardous Materials Awareness.

Presentation: 4 days Classroom lecture and field exercises

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement (Accredited)

CONFINED SPACE RESCUE - REFRESHER



This challenging two-day course is designed for students from industry and the fire service. Upon completion of the course students will be competent in all aspects of all equipment and procedures to properly effect a confined space rescue. The course is designed for students who have a basic understanding of atmospheric monitoring, industrial hygiene, and rope rescue techniques. The first day includes confined space awareness, hazard assessments and responsibilities, basic rope rescue procedures, victim packaging, atmospheric monitoring, SCBA and supplied air respirator training. On the second day students will apply the techniques and skills acquired from day one in vertical and horizontal confined space rescue scenarios. This course is also recommended as a refresher for students who require annual skills maintenance training as per WCB. The course is scheduled upon client request.

Credits: 1

Prerequisites: Accredited Confined Space Rescue – Operations
Presentation: 2 days – Classroom lectures and field exercises
Location: Annacis Island or client site (604) 462-1000

Certification: Certificate of Achievement

FS070 FALL PROTECTION





This seven-hour course trains students in the fundamentals of fall protection and the safe use and limitations of personal fall protection equipment. Other areas covered include fall restraint and fall arrest anchor points, safety belts, harnesses and lanyards, and lifelines. This course has been designed in accordance with Workers' Compensation Board (WCB) Regulations. The course is scheduled upon client request.

Credits: .5
Prerequisites: None

Presentation: Classroom lecture

Location: Maple Ridge Campus or client site (604) 462-1000

Certification: Certificate of Achievement

TECHNICAL HIGH ANGLE ROPE RESCUE - AWARENESS LEVEL FS150



course includes: ropes and knots, equipment familiarization, basic anchoring and rigging students who would like to move into the operations and technician level courses. The systems, rappelling, patient packaging and low angle/embankment rescue scenarios. The and practical evaluation. Successful candidates will be certified to low angle technical This course will standardize embankment rescue and provide the foundation skills for course consists of both classroom and field instruction. Students will be given a written rope rescue. This course is accredited by IFSAC and ProBoard in compliance with NFPA

Credits:

3 days - Classroom lectures and practical hands-on exercises Presentation:

None

Prerequisites:

Maple Ridge Campus or client site (604) 462-1000 Location:

Certificate of Achievement (Accredited) Certification:

TECHNICAL HIGH ANGLE ROPE RESCUE - OPERATIONS LEVEL



FS151

systems, raising systems and team scenarios. Students will operate as an integral part of a ers. Students will be given a written and practical evaluation. This course is accredited descending, line transfers, victim packaging, lowering systems, mechanical advantage The operations level will include team-building roles and responsibilities, ascending and team environment and will be directed and monitored by instructors acting as team leadby IFSAC and ProBoard in compliance with NFPA 1006.

Credits:

Accredited Technical High Angle Rope Rescue Prerequisites:

Awareness Level

Maple Ridge Campus or client site (604) 462-1000 4 days – Classroom lecture and practical exercises Presentation: Location:

Certificate of Achievement (Accredited) Certification:

TECHNICAL HIGH ANGLE ROPE RESCUE - TECHNICIAN LEVEL

FS152



transfers, knot passing, highlines and a variety of technical scenarios. Students will be effectively coordinate, perform and supervise a technical rescue incident in the high angle environment. The course consists mainly of field instruction and includes advanced anchoring systems, compound/complex mechanical advantage systems, line given a written and practical evaluation. This course is accredited by IFSAC and niques for hazard recognition, equipment use and procedures necessary to safely and The technician level will require students to demonstrate skills, knowledge and tech-ProBoard in compliance with NFPA 1006.

Accredited Technical High Angle Rope Rescue Operations 4 days - Classroom lecture and practical exercises Prerequisites: Presentation: Credits:

Maple Ridge Campus or client site (604) 462-1000 Certificate of Achievement (Accredited) Certification:

Location:

INDUSTRIAL/HIGH ANGLE ROPE RESCUE



cal rescue equipment and systems are covered in this course. Training occurs mostly in the field and consists of a variety of scenarios upon which proficiency evaluations are cuer at a site where a tower crane is in use. Tower crane components, specialized techni-This hands on course provides the student with the skills and knowledge to act as a resbased.

Credits: 1.5

Accredited Technical High Angle Rope Rescue -Prerequisites:

Technician Level

3 days – Classroom lecture and practical exercises Presentation:

Maple Ridge Campus or client site (604) 462-1000 Location:

Certification: Certificate of Achievement

new FS156

TOWER CRANE REFRESHER



cue equipment and systems. Training occurs mostly in the field and consists of a variety of scenarios upon which proficiency evaluations are based. Students will be challenged to develop and command their own scenarios. Students will be given both a written and pro-This two day refresher course includes a review of tower crane components, technical resficiency evaluation.

Accredited Technical High Angle Rope Rescue -Prerequisites: Credits:

Technician Level

2 days – Classroom lecture and practical exercises Maple Ridge Campus or regional locations TBA Presentation: Location:

(604) 462-1000

Certification: Certificate of Achievement

General Courses

(classroom)

BASIC FIRE SCIENCE

DE00

education)/ NC02

(distance

This course is designed for fire service personnel but is also applicable to non-fire servvides an introductory study of basic chemical and physical principles underlying fire and dangerous goods behaviour in emergency situations. Topics include vapour pressure and combustion, elements of fire suppression, and general methods of fire control. This course will be offered in classroom format if there is a sufficient demand. Basic Fire ice personnel who need a fundamental understanding of fire and flammable materials, and to members of the general public with an interest in this safety area. The course pro-Science can be offered at other colleges around the Province.

Credits: .5
Prerequisites: None

40 self-study hours or six 2 hour classroom sessions Presentation:

Certification: Certificate of Achievement



BASIC ORIENTATION FOR NEW DEPARTMENTS

This course is designed to assist new volunteer fire departments in establishing safe and effective practices and procedures. Basic instruction is given on subjects including fire behaviour, self-contained breathing apparatus, hose and nozzle handling, pumps and water supplies, search techniques, and fire ground organization. Local fire department equipment and resources are used. The course is available to newly formed volunteer fire departments who have been recognized by the Office of the Fire Commissioner and have been issued a fire department code. Fire departments that are newly reorganized or have a large number of new recruits may also find this course of interest. A minimum equipment list is required to conduct the course:

- ULC rated pumper (minimum 420 IGPM);
- capability to supply pumper capacity either from an in-ground water system or a portable water system;
- 2 1/2" attack lines with at least two constant flow nozzles;
- 1 1/2" attack lines with at least two constant flow nozzles;
- adequate self-contained breathing apparatus to satisfy Workers' Compensation Board requirements (at least four complete units with four spare cylinders);
- approved personal protective equipment for 10 fire fighters;
- call-out system to alert the fire department in the event of an emergency.

Credits: None Prerequisites: None

Presentation: 2 1/2 days – Classroom sessions and practical exercises

Local fire department (604) 462-1000

new

FS188

EMPLOYABILITY SKILLS



This course will provide exposure to potential interview scenarios as well as guidelines for resume preparation and writing. Through role-playing scenarios, interview questions and responses will be explored to allow the student to practice the skills necessary to be successful in a face-to-face interview situation. Participants will have an opportunity to develop a completed, personal resume and obtain a basic understanding of the skills required to prepare for an interview. The participant will have been exposed to the philosophy of a fire officer who is responsible for recruitment and hiring. This course is an elective only for students in the Industrial Emergency Responder Certificate Program.

Credits: .5
Prerequisites: None
Presentation: Classroom

Location: Maple Ridge Campus (604) 462-1000

Certification: Record of Attendance

DE02 (distance education)/ NC06



(classroom)

FIRE SAFETY AT WORK

building type; fire prevention, fire drills, and using portable extinguishers; and a fire at Work can be offered at other Colleges around the BC. This course meets the interest of rials explore the nature of fire, common fuels, and ignition sources; hazards for each vention inspections, educate other employees on safe ways to respond to fire, lead fire drills, and prepare a full fire safety plan for any organization. Students are required to The course will be offered in classroom format if there is sufficient demand. Fire Safety safety plan. After completing this course, students will be able to conduct basic fire presubmit four written projects and pass a multiple choice exam to complete the course. This course has been designed in the distance education format and developed in cooperation with the Open College component of the Open Learning Agency. Course mate-WCB-Part 4, but is not designed for professional or volunteer fire service personnel.

None Prerequisites: 40 self-study hours or six 2 hour classroom sessions Presentation:

Certificate of Achievement Certification:

DE06





ism, light, sound, and radioactivity. Included in the course is a unit on the SI system of measurement with fire service related application and exercises. After completing the combustion. The course will be offered in classroom format if there is sufficient demand General Physics familiarizes the student with basic concepts of physics at a practical level. The topics include the physical phenomena of heat, motion, electricity, magnetcourse students will have a more in-depth understanding of the principles of fire and and can be offered at other colleges around the Province.

Suggested – Basic Fire Science or background in science 40 self-study hours or six 2 hour classroom sessions Prerequisites: Presentation:

Certificate of Achievement Certification:

SITLEAD

100

INTRODUCTION TO SITUATIONAL LEADERSHIP®



tively managing and developing people, time and resources in the workplace. This oneday course introduces students to the basic situational leadership model and provides an opportunity to learn how to apply the model through case studies and exercises. There is Situational Leadership (TM) is a comprehensive, up-to-date and practical method of effecno credit for the introductory course.

None Prerequisites: Credits:

New Westminster Campus or client site (604) 528-5657 1 day - classroom lecture and exercises Presentation: Location:

Certificate of Achievement Certification:

FC106

SITUATIONAL LEADERSHIP®



tively managing and developing people, time and resources in the workplace. This Situational Leadership (TM) is a comprehensive, up-to-date and practical method of effeccourse introduces students to these methods and evaluates their learning of the principles.

Credits:

2 days - classroom lecture, exercises and evaluation Prerequisites: Presentation:

None

Certificate of Achievement (This course is also a component New Westminster Campus or client site (604) 528-5657 Certification: Location:

of the Emergency Management Division Certificate Program)

Situational Leadership® is a registered trademark of the Center of Leadership Studies

DE05

TECHNICAL MATH



ume and surface area, and provides frequent opportunities to apply the information to averages, algebraic equations, powers and square roots, ratios and proportions, and mat if there is sufficient demand and can be offered at other colleges around the This course presents the basic math skills needed for fire flow calculations, such as volpractical situations. Units include whole numbers, fractions and decimals, percentages, measurements of length, area, and volume. The course will be offered in classroom for-Province.

Credits:

Basic mathematical skills Prerequisites:

40 self-study hours or six 2 hour classroom sessions Certificate of Achievement Presentation: Certification:

Also of Interest

CENTRE FOR CONFLICT RESOLUTION



Conflict Resolution give you practical, hands-on tools to help you advance your career Got Conflict? We can help. Courses offered at the Justice Institute of BC, Centre for and give you a competitive edge in dealing with others. Our courses are exceptional and provide great value for money - all courses are dynamic and interactive, with small class sizes and excellent student/instructor ratios, resulting in one-on-one personal developTo find out more about the Centre for Conflict Resolution and the courses that we offer, check out our website www.jibc.bc.ca/ccr or call us at 1-888-799-0801

CENTRE FOR LEADERSHIP AND COMMUNITY LEARNING



Critical Incident Stress Management

The CISM Certificate program is offered through the Centre for Leadership and individuals who may be required to effectively manage critical incidents as well as to Community Learning at the Justice Institute of BC. This program is recommended for protect the emotional health and safety of those involved in a traumatic event. This program will be of specific interest to first line trauma responders such as firefighters, paramedics, crisis intervention workers and victim services workers. This newly revised program consists of two blocks of training offered in one to three-day seminar formats. There are a total of twelve days of classroom training. Block 1 combines knowledge of critical incident stress and trauma management with the of Block One, participants will receive a Letter of Acknowledgement verifying the hours skills necessary to participate in a critical incident stress intervention. At the completion completed and courses attended.

understanding of the diverse field of CIS and trauma management. Students must pass a written exam and an evaluation of their abilities upon completion of Block 2. With the successful completion of Block Two requirements, participants will receive a Certificate Block 2 is specifically aimed at giving participants a broad range of knowledge and of Achievement for Blocks One and Two.

The Justice Institute of BC has received accreditation from the Association of Traumatic Stress Specialists. All instructors within the program are certified trauma specialists. For more information, please contact:

Telephone: (604) 528-5631 Program Assistant Nenita Capili Telephone: (604) 528-5633 Program Coordinator

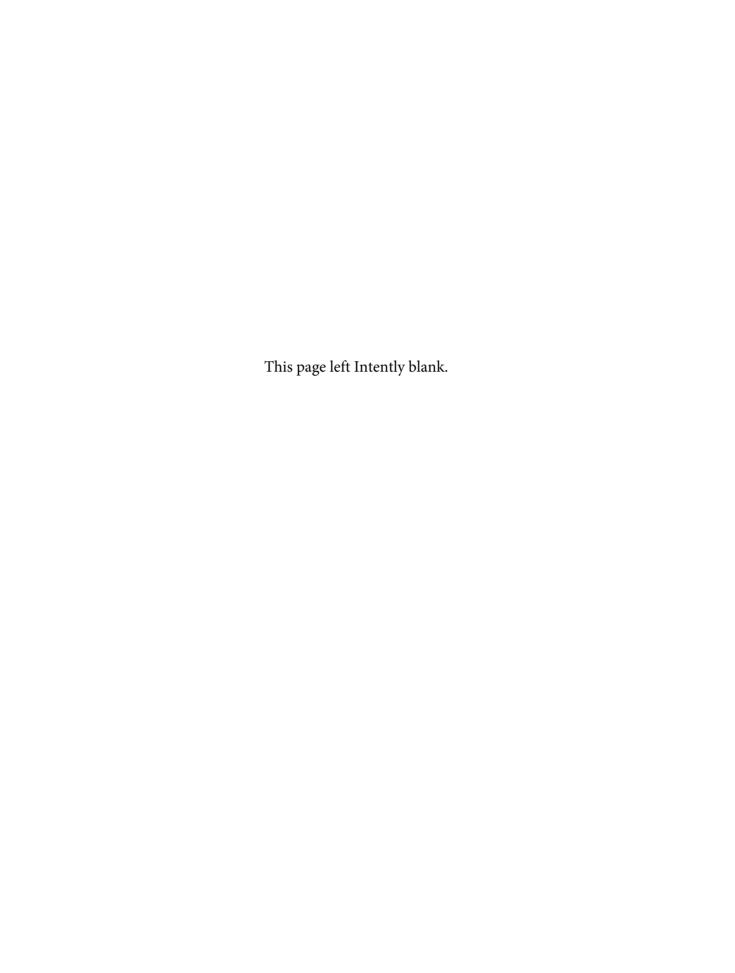
Email: srice@jibc.bc.ca

Email: ncapili@jibc.bc.ca



Masters Program in Justice and Public Safety Leadership

The Master of Arts degree in Leadership and Training offered with Royal Roads level program provides executive leadership education to professionals with seven to 10 Roads. Following the completion of this residency, learners will take courses via Internet-based distance education. A second three-week residency will take place at the beginning of year two of the program, following which learners will undertake an applied major project for their thesis, leading to graduation. For information regarding University was launched in July 2001 and is the first of its type in Canada. This graduateocused, "e-learning" model. The program begins with a three-week residency at Royal years experience in policing, fire service, corrections, emergency management, paramedic services, courts, and social and human services. This program utilizes a learnerthese programs please call (604) 528-5623.





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Justice Institute of BC
Fire & Safety Division
715 McBride Boulevard
New Westminster, BC V3L 5T4
(604) 528-5657 Fax: (604) 528-5660

Email: fireacademy@jibc.bc.ca Date of Request: Request Taken By: _____ Program: Shipping Address: _____ Billing Address: Attention: Attention: Telephone: Fax: ITEM TITLE/DESCRIPTION QUANTITY ITEM COST **TOTAL** Departments who are members of the BC Training Officers' Sub Total: Association are eligible for a 10% discount on Manuals and curriculum packages. Training Officers' Discount: Please allow three to four weeks delivery. Sub Total: Courier orders are at the expense of the department. Orders are shipped by regular mail and the cost for shipment GST: is included in the price. Signature (If Required) Total Payable: METHOD OF PAYMENT Amount: Cheque: Cheque#: Card Type: Expiry:

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