



FIRE PROTECTION TECHNOLOGY

Program Information



Portland Community College
P.O. Box 19000
Portland, OR 97280-0990

Cascade Campus
PSEB Room 132
909 N. Killingsworth St.
Portland, Oregon 97217
Office: 971-722-5580 Fax: 971-722-5535



Fire Protection Program Mission Statement

Collaborate and partner with emergency response agencies, organizations, associations and educational institutions to provide high quality pre-employment training and education, and professional development opportunities for career and volunteer emergency response personnel to meet industry needs for a skilled and diverse professional workforce.



Mission Statement

Portland Community College provides access to an affordable, quality education in an atmosphere that encourages the full realization of each individual's potential. The college offers opportunities for academic, professional, and personal growth to students of all ages, races, cultures, economic levels, and previous educational experiences.

CORE OUTCOMES

Graduates of Portland Community College should be able to:

- **Communicate Effectively**
- **Community and Environmental Responsibility**
- **Critical Thinking and Problem Solving**
- **Cultural Awareness**
- **Professional Competence**
- **Self-Reflection**

Getting Started at Portland Community College is easy.....

Follow these steps to get started with the Fire Protection Technology Program



Step 1

If you are not currently a student at PCC, Apply for Admission to Portland Community College

Apply on line at www.pcc.edu/admissions (this may take a couple of days) or in person at one of our admission office. *Declare a Major such as Fire Protection*

Step 2

Take college placement tests

All new students are required to take the COMPASS placement test. The student must have passed RD 115, WR 115, and MTH 60 or placed into WR121 and MTH 65. Or a copy of College math and writing assessment test scores from any college.

If you have transcripts from other colleges fill out a Request for Transfer Credit Evaluation at http://www.pcc.edu/resources/student-records/documents/Transfer_Evaluation_Request_Form.pdf

Step 3

Visit a START Lab if you are not a current student of PCC

No appointment is necessary. The Cascade campus START Lab is located in the Student Services Building (SSB), Rm. 201
Closed Fridays

Step 4

Consider Funding Options

Financial Aid – www.pcc.edu/fa Vet. Benefits – www.pcc.edu/vets

Scholarships-www.pcc.edu/scholarships Payment plans – www.pcc.edu/payplan

Step 5

Enrollment to Fire Protection Technology

All students interested in exploring fire protection program must first take FP 101 Principles of Emergency Services as a pre-requisite to the Fire Academy, FP 111 and FP 112.

The student may take available 100 level Fire Protection, General Education, and EMT-Basic before the Fire Academy as long as standard prerequisites are met.

To view all course offered in the Fire Program visits www.pcc.edu/fire .

Students enrolled in fire protection courses will be required to have a physician's release to use equipment designed to protect the respiratory system from the products of combustion and hazardous chemicals. It is required that student complete the respirator Medical Evaluation Questionnaire prior to the first scheduled day of FP 111. This equipment includes, but is not limited to self-contained breathing apparatus (SCBA), respirators and filter mask. See Page 9 & 10 of this packet.

Attendance at the first Firefighting Skills Academy class is mandatory. **NO EXCEPTIONS.** Students missing the first class will be dropped from the roster by the department. In addition, students who are enrolled in the Fire Academy Part I and II, FP 111 and FP112 must successfully pass the respiratory survey.

Due to the unique responsibilities involved in the practical application of fire protection and emergency response during lab periods and cooperative education assignments, the Fire Protection Technology Department reserves the right to counsel students who demonstrate unsuitable characteristics (unsafe, unethical or immoral behavior or physical inability to perform standard job duties) and to guide those students into another area of study.

Students who have a health, physical, or psychological problem that may affect or be affected by the use of protective breathing equipment, should contact the department prior to entering the program.

Satisfactory criminal history background checks will be mandatory to qualify for cooperative education and state certification as a fire fighter and EMT Basic. The cost for the criminal history background check is the responsibility of the student.

Step 6

Meet with an advisor

The advisor for the Emergency Services programs is Michelle Butler you may contact her at (971) 722-5284 or mlbutler@pcc.edu she will help you plan courses for the program and the general education courses required for the program. Get help planning a course of study to reach your goals. If you haven't declared a major, now would be a good time.

Step 7

Register for Classes www.pcc.edu/registration

Pre-requisites must be completed before you start any Fire Protection classes: WR 115, RD115, and MTH 60

Step 8

Manage your Registration

Review PCC's registration policies to find out about dropping or withdrawing from classes, late registration, cancelled classes, refunds, past due accounts and more. www.pcc.edu/regpolicies

Step 9

Pay for Classes

Full payment of your account balance must be received by due date for the term. Look for your bill and account balance under your MyPCC College Business tab.





FIRE ACADEMY Firefighter I & II

PCC's Fire Academy classes are in an accelerated format with Fire Academy Part I and Part II presented during the same term. Classes are held over 3 days for 10 hours each Friday, Saturday, and Sunday. There will be only one section per term with a limit of 24 students.

- **The student must complete FP 101, Principles of Emergency Services as a prerequisite.**
- If the student has circumstances that would prevent them from completing Fire Academy Part I and Part II, the student must notify the program administrator before the beginning of the term. If this is not done, the student may be held financially responsible for the class.
- Students must be a minimum of 18 years old on the first scheduled day of class to be able to participate in FP 111 and FP 112, Fire Academy Part I and Part II.

ENTRY TESTING/PHYSICAL ABILITIES ASSESSMENT

Students who will be entering the Fire Academy Parts I and II must have completed a physical ability assessment. Students may take the physical ability assessment in FP 101, or when offered at PCC, or from other institutions that offer such assessments such as a fire department or another college. Valid CPAT cards are accepted.

The purpose of the assessment is to understand the physical abilities required for the Fire Academy Classes (FP111 & FP112). The assessment is similar to industry standards.

Description of Physical Abilities Assessment

The Standard Agility/Ability Test has a time limit of 10 minutes & 15 seconds. All stations are completed wearing a turnout jacket, helmet & gloves (provided).

The agility/ability assessment may include all or some of the following stations:

- Station 1** Four floor tower climb, 3-4 times, w/hose bundle/shoulder load or 25 pound vest.
- Station 2** Pull a 1 3/4" hose line pull and nozzle, 75', turn 90 degrees, pull 25', from one knee, pull 25' hand over hand.
- Station 3** Lift and carry tools or equipment 200'.
- Station 4** Raise and lower a 24' extension ladder from a horizontal position on the ground to vertical position against a wall and back to horizontal, 2 times – raise the fly section of the ladder to full extension and lower to the starting point.
- Station 5** Strike a Kaiser Sled weight with a sledgehammer, move the weight the 36" designated distance.
- Station 6** On hands and knees, crawl 65 feet
- Station 7** Drag a weighted sled or rescue dummy 70 ft.

In addition, the candidate will be required to walk 85 ft. between stations.



**Portland Community College
Fire Protection Technology**

Uniform Policy

Type 1 - Classroom Uniform:

Type I Uniform Required for the following courses: FP 101, FP 111, FP 112, FP 121, FP 122, FP 123, FP133, FP 280A,

Light Blue Uniform Shirt

Blue Fire Science Tee Shirt

Black or Navy Blue Pants

Black Leather above Ankle Boots

Black Leather Belt

Hat (optional) PCC Fire Science Hat ONLY

Type 2 – Classroom Uniform:

Uniform Required for all other FP courses not listed above including evening and weekend courses. Also required for FP 111 and FP 112 on Drill Days

Blue Fire Science Tee Shirt and/or

Blue Fire Science Sweatshirt

Full Length Black or Blue Pant

Summer Term Only: Black or Blue Work Shorts

Hat (optional) PCC Fire Science Hat ONLY

Type 3 – Workout/ PT Uniform:

Required for All Emergency Service PE Classes

Blue Fire Science Tee Shirt

Black PCC Fire Science sweat short and/or sweat pant

Tennis Shoes

Hat (optional) PCC Fire Science Hat ONLY

Chief Edward D. Lindsey

Signature: *Edward D. Lindsey*

Date: 02-15-2012

The uniform shirt, tee shirt, and sweatshirt can only be purchased at the Cascade Campus book store. Uniform pants, shoes, and belt are not available at the book store but can be purchased at any retail store.

Student wearing the PCC fire Protection uniform must present themselves in a professional manner and appearance. **Be proud of the uniform and wear it with dignity.**



Portland Community College Fire Protection Technology

Hygiene Policy

Full Uniform; clean and pressed, shirt tucked in Boots Black and Polished, no exposed raw leather or scuffs, laces tied..

Personal Hygiene: Required for all FP Courses

Student wearing the PCC fire Protection uniform must present themselves in a professional manner and appearance. Be proud of the uniform and wear it with dignity.

Hair is manageable, neatly kept, and can be contained under helmet during all drill activities. Facial hair must not interfere with SCBA mask seal

Wearing of rings & body piercing is not recommended. These must not interfere with the safety of the individual or create a potential hazard.

Tattoos should be located so they are not exposed or can be covered by the uniform.

Body odor or uniform and turnout odor will be addressed.

Portland Community College is a tobacco free institution.

Verbal and Non Verbal Language: Individual control must be maintained.

Individuals must conduct themselves in a professional manner as not to bring discredit upon themselves, fellow students, PCC Fire Protection program and the Fire Service.

Boisterous or vulgar language is discouraged

Anger, rage and profanity is discouraged

Non verbal gestures and disrespectful use of body language is discouraged

Chief Edward D Lindsey

Signature: *Edward D. Lindsey*

Date: 02-15-2012



PORTLAND COMMUNITY COLLEGE

FIRE PROTECTION TECHNOLOGY

pcc.edu/fire

909 N Killingsworth ■ Portland Oregon 97217

971-722-5538 ph. ■

971-722-5535 fax

AAS in Fire Protection Technology (2011-12)

Student Name:					Advisor:						
Phone:					Date:						
G#					E-mail						
COURSE #	TITLE		CR.	COMP	SUB	COURSE #	TITLE		CR.	COMP.	SUBSTITU TE
General Education Requirements:			16			Fire Suppression Core - Second Year 27					
PH L	202	Intro to Philos-Eleme Ethics	4			FP	200	Hydraulics & Water Supply	3		
		Arts and Letters	4			FP	201	Emergency Service Rescue	4		
		Social Science	4			FP	202	Fixed Systems & Extinguishers	3		
		Science/Math/Computer Studies	4			FP	203A	Intro. to Tactics & Strategy	3		
						FP	210	Multicultural Strat. for Diversity	3		
Comp. Req. not part of Gen Ed						FP	211	Building Construction	3		
Math Competency (MTH 65 or higher)						FP	212	Fire Investigation	3		
Writing Competency (WR 121 or higher)						FP	214	Occ. Safety & Health Fire Serv	3		
Fire Protection Core- First Year						FP	232	NFPA Driver/Pumper Operator	2		
FP	101	Principles of Emergency Services	3			H PE	295	Health & Fitness	3		
FP	111	Fire Fighter I Skills Academy	10			Fire Protection - Work Experience			12		
FP	112	Fire Fighter II Skills Academy	7			FP	280A	Coop Education	3		
FP	121	Fire Behavior & Combustion	3			FP	280A	Coop Education	3		
FP	122	Fund. of Fire Prevention	3			FP	280A	Coop Education	3		
FP	123	Hazardous Materials Ops	3			FP	280A	Coop Education	3		
FP	133	Wildland & Forest FF	3								
Emergency Medical											
EMS 105 Emerg. Medical Tech. - Basic I			5								
EMS 106 Emerg. Medical Tech. - Basic II			5			TOTAL CREDITS					
						100					

Recommended General Ed. courses: Arts and Letters: PHL 205, PHL 207, WR 222, SPA 101. SP 111, SP 140 Social Science: PSY 101, PS 203, SOC 213, SOC 232 Science/Mathematics/Computer Studies: CIS 120, MTH 111B, MTH 111C, **FP 210, FP 214 and HPE 295 may be taken along with 100 level courses.**

Respirator Medical Evaluation Questionnaire

Company: _____

Questions 1 through 9 below must be answered by every employee who has been selected to use any kind of respirator (please check yes or no).

To the employee: Can You Read? Yes No

Your employer must allow you to answer this questionnaire during normal working hours, or at a time and place that is convenient to you. To maintain your confidentiality, your employer or supervisor must not look at or review your answers, and your employer must tell you how to deliver or send this questionnaire to the health care professional who will review it. The following information must be provided by every employee who has been selected to use any type of respirator (please print).

1. Today's date _____

2. Your name _____

3. Your age (to the nearest year) _____

4. Sex (check one) Female Male

5. Your height _____ ft. _____ in.

6. Your weight _____ lbs.

7. Your job title _____

8. A phone number where you can be reached by the health care professional who reviews this questionnaire

(include the area code) _____

9. The best time to call you at this number _____

10. Has your employer told you how to contact the health care professional who will review this questionnaire? Yes No

11. Check the type of respirator you will use (you can check more than one category)

- A. N, R, or P disposable respirator (filter mask, non cartridge type only)
- B. Other type _____ (for example, half or full-face piece type, powered-air purifying, supplied-air, self-contained breathing apparatus).

12. Have you worn a respirator (check one) Yes No
If yes, what type(s) _____

1. Do you currently smoke tobacco or have you smoked tobacco in the last month? Yes No

2. Have you ever had any of the following conditions?
- A. Seizures (fits) Yes No
- B. Diabetes (sugar disease) Yes No
- C. Allergic reactions that interfere with your breathing Yes No
- D. Claustrophobic (fear of closed-in places) Yes No
- E. Trouble smelling odors Yes No

3. Have you ever had any of the following pulmonary or lung problems?
- A. Asbestosis Yes No
- B. Asthma Yes No
- C. Chronic bronchitis Yes No
- D. Emphysema Yes No
- E. Pneumonia Yes No
- F. Tuberculosis Yes No
- G. Silicosis Yes No
- H. Pneumothorax (collapsed lung) Yes No
- I. Lung Cancer Yes No
- J. Broken ribs Yes No
- K. Any chest injuries or surgeries Yes No
- L. Any other lung problem that you've been told about Yes No

4. Do you currently have any of the following symptoms of pulmonary or lung disease?
- A. Shortness of breath Yes No
- B. Shortness of breath when walking fast on level ground or walking up a slight hill or incline Yes No
- C. Shortness of breath when walking with other people at an ordinary pace on level ground Yes No
- D. Have to stop for breathing when walking at your own pace on level ground Yes No
- E. Shortness of breath when washing or dressing yourself Yes No
- F. Shortness of breath that interferes with your job Yes No
- G. Coughing that produces Phlegm (thick Sputum) Yes No
- H. Coughing that wakes you early in the morning Yes No
- I. Coughing that occurs mostly when you are lying down Yes No
- J. Coughing up blood in the last month Yes No
- K. Wheezing? Yes No
- L. Wheezing that interferes with your job Yes No
- M. Chest pain when you breathe deeply Yes No
- N. Any other symptoms that you think might be related to lung problems Yes No

5. Have you ever had any of the following cardiovascular or heart problems?

- A. Heart attack Yes No
- B. Stroke Yes No
- C. Angina Yes No
- D. Heart failure Yes No
- E. Swelling in your legs or feet (not caused by walking) Yes No
- F. Heart arrhythmia (heart beating irregularly) Yes No
- G. High blood pressure Yes No
- H. Any other heart problem that you've been told about Yes No

6. Have you ever had any of the following cardiovascular or heart symptoms?

- A. Frequent pain or tightness in your chest Yes No
- B. Pain or tightness in your chest during physical activity Yes No
- C. Pain or tightness in your chest that interferes with your job Yes No
- D. In the past two years, have you noticed your heart skipping or missing a beat Yes No
- E. Heartburn or indigestion that is not related to eating Yes No
- F. Any other symptoms that you think may be related to heart or circulation problems Yes No

7. Do you currently take medication for any of the following problems?

- A. Breathing or lung problems Yes No
- B. Heart trouble Yes No
- C. Blood pressure Yes No
- D. Seizures Yes No

8. If you've used a respirator, have you ever had any of the following problems? (If you have never used a respirator, check the following space and go to question 9)

- A. Eye irritation Yes No
- B. Skin allergies or rashes Yes No
- C. Anxiety Yes No
- D. General weakness or fatigue Yes No
- E. Any other problem that interferes with your use of a respirator Yes No

9. Would you like to talk to the health care professional who will review this questionnaire about your answers to this questionnaire Yes No

Questions 10 to 15 below must be answered by every employee who has been selected to use either a full-face respirator or a self-contained breathing apparatus (SCAB). For employees who have been selected to use other types of respirators, answering these questions is voluntary.

10. Have you ever lost vision in either eye (temporarily or permanently) Yes No

11. Do you currently have any of the following vision problems?

- A. Wear contact lenses Yes No
- B. Wear glasses Yes No
- C. Color blind Yes No
- D. Any other eye or vision problem Yes No

12. Have you ever had an injury to your ears, including a broken ear drum Yes No

13. Do you currently have any of the following hearing problems?

- A. Difficulty hearing Yes No
- B. Wearing a hearing aid Yes No
- C. Any other hearing problem Yes No

14. Have you ever had a back injury? Yes No

15. Do you currently have any of the following musculoskeletal problems?

- A. Weakness in any of your arms, hands, legs, or feet Yes No
- B. Back pain Yes No
- C. Difficulty fully moving your arms and legs Yes No
- D. Pain or stiffness when you lean forward or backward at the waist Yes No
- E. Difficulty fully moving your head up or down Yes No
- F. Difficulty fully moving your head side to side Yes No
- G. Difficulty bending at your knees Yes No
- H. Difficulty squatting to the ground Yes No
- I. Climbing a flight of stairs or a ladder carrying more than 25 lbs Yes No
- J. Any other muscle or skeletal problem that interferes with using a respirator Yes No

Please explain any "yes" answers in more detail.

FIRE PROTECTION TECHNOLOGY Program Requirements Acknowledgements

I understand that by marking and signing this form, I am acknowledging that I understand the program requirements

- I have completed the PCC Admissions process
- I have completed College reading, writing and math assessment tests and attended a START LAB. College reading, writing and math assessment test can be taken at any college. PCC requires all new students to take the COMPASS placement test.
- I have been placed into RD 115 or above.
- I have been placed into WR 115 or above.
- I have completed MTH 20 or placed into MTH 60 or above.
- I will be 18 years old on or before the first day of FP 111.
- I have successfully completed a physical ability assessment.

- I have requested or submitted Official College transcripts and/or military service training records. Official records must be in a **sealed envelope and submitted to an advisor or sent to PCC Student Records with a request for evaluation**. A copy of the records must be submitted to the FP Program for further advising. It is not necessary to order official transcripts from PCC.

- I will be able to get a physician's release to use equipment designed to protect the respiratory system from the products of combustion and hazardous chemicals. This equipment includes, but is not limited to: self contained breathing apparatus (SCBA), respirators and filter mask.

- I have read and understand the prerequisites and requirements to enter EMS 105/106, "Emergency Medical Technician Basic" (EMT-B) class. EMT Basic is a required core course for the AAS in Fire Protection Technology. I have never been arrested, charged with, or convicted of a misdemeanor or felony (*excluding traffic violations*). You will be required to complete a criminal background check during your EMT class. There will be a cost of approximately \$30 for the background check. Individuals will have great difficulty becoming a career fire fighter if they cannot be certified as an EMT Basic. If you have questions about the impact of a criminal record, please see an FP advisor prior to taking FP classes.

- I understand that individuals can begin taking general education courses, Emergency Medical Technician courses and any level 100 Fire Protection classes, as long as prerequisites are met.

- I have read and understand the uniform and hygiene policy. The Fire Protection uniform is required for all FP courses

Driving records are important in the Fire Service, if you answered yes to the following question contact the department chair for the program to see how this would affect your chosen career.

YES \ NO (circle one) Has your Drivers' License ever been suspended or revoked?
If YES, attach an explanation with dates and offenses.

Print Name _____ Date _____

Signature _____