

**COURSE OUTLINE**  
**FPTC 101**  
**Introduction to Fire Protection Technology**  
**3 credit hours**

**The Community Colleges of Baltimore County**  
**Catonsville**

**Description**

Introduction to Fire Protection Technology

Explores the fire protection industry including fire services, emergency medical services, and fire protection and prevention systems; examines different components of and careers within the fire protection industry.  
Prerequisite: ((RDNG 052 or LVR 2) or LVR 2); (ENGL 052 or LVE 2)

**Overall Course Objectives (Learning Objectives)**

Upon completion of this course the student will be able to:

1. Identify the various career opportunities within the fire protection industry.
2. Describe the historical aspects of the industry.
3. Understand the basic chemistry and physics of fire science.
4. Identify various public and private sector fire protection services and industries.
5. Describe features of fire service organizations including recruitment, hiring practices, training, staffing, and resource management.
- 6.** Describe and interpret various aspects of fire protection ordinances and codes.

**Major Topics**

1. Fire Technology education and the employment selection process.
2. Fire Protection Career opportunities.
3. Public fire protection agencies.
4. Chemistry and physics of fire.
5. Public and private organizations.
6. Fire Department resources.
7. Fire department administration.

8. Fire service support functions.
9. Fire service training issues.
10. Fire prevention.
11. Fire protection ordinances and codes.
12. Fire protection systems and equipment.
13. Emergency incident management.
14. Emergency operations.

### **Course Requirements**

Students will be expected to demonstrate learning through:

1. Periodic short, objectives-based quizzes.
2. Composition of a research paper on a topic of special interest to the student.
3. Several brief reports of current events affecting the fire protection industry.
4. Response and participation in on-line questions and answers related to course materials.
5. Evaluation and discussion of industry internet web sites.

### **Other Course Information**

1. Students must possess the requisite knowledge, skills, and computer equipment to participate in an on-line class.
2. This course satisfies a required class in the Fire Protection Technology curriculum.

9/29/00