

Course Outline  
FPTC 111  
Construction Standards and Building Codes  
3 credit hours

The Community Colleges of Baltimore County  
Catonsville

Description

Construction Standards and Building Codes

Covers the common concepts in fire-safe design and construction of buildings by focusing on types of buildings, materials, and fire-resistive ratings of assemblies as well as building codes and standards, and their necessity in the construction process; surveys all levels of government and private organizations impacting the construction process.

Overall Course Objectives (learning objectives)

1. Understand the typical permits approval process.
2. Understand the origin of construction standards and building codes.
3. Identify the leading model building codes.
4. Describe and identify the typical fire assembly.
5. Describe the government role in promulgating and enforcing building codes.
6. Describe the concept of “authority having jurisdiction”.
7. Identify the major classifications of building construction types.

Major Topics

1. The history of building design and construction.
2. The role of model code agencies.
3. The model building code process.
4. The BOCA code.
5. Identification of building design classifications.

Course Requirements

1. Students shall demonstrate learning through:

1. Class discussions.
2. Successful completion of quizzes.
3. Exercises to interpret and apply model building codes.