

**Common Course Outline**  
**EMST 252**  
**EMT-P Pharmacology**  
**2 Credits**

**The Community College of Baltimore County**

**Description**

**EMT-P Pharmacology**

Examines basic principles and concepts for the safe, effective and rational use of therapeutic agents by the paramedic in out-of-hospital emergency care; covers commonly abused drugs and poisons.

**Overall Course Objectives**

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

1. Outline drug standards and legislation pertinent to the paramedic.
2. Describe the role of drug control agencies.
3. Distinguish among drug forms.
4. Explain the meaning of drug terms necessary to safely interpret information in drug-reference sources.
5. Discuss factors that influence drug absorption, distribution, and elimination.
6. Describe how drugs react with receptor to produce desired effects.
7. List the class, actions, onset, duration, indications, contraindications, adverse reactions, drug interactions, dosage, route of administration, and special considerations for a variety of drugs used in the prehospital setting.

**Major Topics**

Drug Information  
Drug Forms and Preparations  
Pharmacological Terminology  
Allergic Reactions to Drugs  
Mechanisms of Drug Action  
Drug Administration  
Special Considerations for Pediatric Patients  
Special Considerations for Geriatric Patients  
Drugs Affecting the Nervous System  
Drugs Affecting the Cardiovascular System  
Drugs Affecting the Respiratory System  
Drugs Affecting the Endocrine System

**Course Requirements**

Mastery level for all written examinations is 75%.

**Other Course Information**

This course is offered during the Fall only.