

## **Pharmacy Curriculum Outcomes Assessment<sup>®</sup>**

### **Content Areas**

The content of the PCOA follows its blueprint, which covers four major domains and 35 sub-topics. The content areas are listed below.

#### **Area 1 - Basic Biomedical Sciences**

- A. Anatomy and Physiology
- B. Pathology/Pathophysiology
- C. Microbiology
- D. Immunology
- E. Biochemistry/Biotechnology
- F. Molecular Biology/Genetics
- G. Biostatistics

#### **Area 2 - Pharmaceutical Sciences**

- A. Medicinal Chemistry
- B. Pharmacology
- C. Pharmacognosy and Alternative and Complimentary Treatments
- D. Toxicology
- E. Bioanalysis/Clinical Chemistry
- F. Pharmaceutics/Biopharmaceutics
- G. Pharmacokinetics/Clinical Pharmacokinetics
- H. Pharmacogenomics/Genetics
- I. Extemporaneous Compounding/Parenteral/Enteral

#### **Area 3 - Social/Behavioral/Administrative Pharmacy Sciences**

- A. Healthcare Delivery Systems
- B. Economics/Pharmacoeconomics
- C. Practice Management
- D. Pharmacoepidemiology
  
- E. Pharmacy Law and Regulatory Affairs

- F. History of Pharmacy
- G. Ethics
- H. Professional Communications
- I. Social and Behavioral Aspects of Practice

**Area 4 - Clinical Sciences**

- A. Pharmacy Practice and Pharmacist-Provided Care
- B. Medication Dispensing and Distribution Systems
- C. Pharmacotherapy – Practice Guidelines and Clinical Trials
- D. Pharmacotherapy – Health Promotion/Disease Prevention
- E. Pharmacotherapy – Pharmaceutical Care
- F. Pharmacist-provided care for Special Populations
- G. Drug Information
- H. Medication Safety
- I. Literature Evaluation and Research Design
- J. Patient Assessment Laboratory