



**Alabama
Department of
Postsecondary Education**

Representing the Alabama Community College System

STATEWIDE CAREER/TECHNICAL EDUCATION COURSE ARTICULATION REVIEW DOCUMENT

Articulation Agreement Identifier: PHM 100 (2010-1) Identifier is the postsecondary course prefix followed by Plan-of-Instruction version number (e.g.; INT 100 (2007-1)).

Applicable CIP code(s): 51.0805 - Pharmacy Technician/Assistant

Postsecondary course program code, number, and title: PHM 100 - Introduction to Pharmacy

Secondary Education course(s) number and title: 490022 - Intro to Pharmacy

Date of Review: April 17, 2012

Effective date: **Fall Semester 2012.**

Course Content Analysis (all postsecondary course objectives must be sufficiently addressed in the secondary courses):

Notes:

- 1 Skills and knowledge contained in the postsecondary course objectives must be present in the corresponding secondary objectives for a “match” to occur.**
- 2. Postsecondary and Secondary objectives must reflect similar content and performance levels before the course articulation agreement will be recommended to the TEDAC Oversight Committee.**
- 3. More than one Secondary course may be used in order to articulate to a Postsecondary course.**

Postsecondary Course Objectives	Secondary Course Objectives	TEDAC Comments
<p>MODULE A - FOUNDATIONS OF PHARMACY Professional Competency: A1.0 Comprehend the role and development of the pharmacy profession. Performance Objective - This competency is measured cognitively. Learning Objectives: A1.1.1 Describe the importance of quality customer service for pharmacy technicians. A1.1.2 Describe the scope of practice for pharmacy technicians. A1.1.3 Differentiate between the scope of practice for pharmacy technicians and other members of the pharmacy team. A1.1.4 Discuss opportunities in the pharmacy profession. A1.1.5 Describe types of practice areas for pharmacy technicians. A1.1.5 Discuss the history and background of pharmacy for various periods of time. A1.1.6 Describe recent developments in the profession. A1.1.7 Identify the most commonly used medications by medication class. A1.1.8 Describe the uses and sources for the most common pharmacological agents.</p>	<p>Course Title: Introduction to Pharmacy Unit 1 - Career Opportunities Content Standards: 1. Trace the development of pharmaceuticals. • Demonstrating the use of pharmaceutical resources 2. Compare roles of the pharmacist and the pharmacy technician in various settings, including the hospital and retail pharmacy. Learning Objectives: 1. Research and identify the development of pharmaceuticals drug sources, drug actions and their effect on the human body 2. Identify roles of the pharmacist and the pharmacy technician as they relate to various settings. 3. Identify career options related to pharmacology. 4. Apply the skills necessary to interpret and understand pharmacy and medical terminology.</p>	

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<p>MODULE B - LAWS AND REGULATIONS Professional Competency: B1.0 Adhere to laws and regulations governing the pharmacy profession. Performance Objectives - This competency is measured cognitively. Learning Objectives: B1.1.1 Describe regulations governing client privacy. B1.1.2 Explain the purpose and role of the NABP. B1.1.3 Discuss the purpose and role of various federal agencies. B1.1.4 Describe the process of drug development and approval. B1.1.5 Discuss local State Board of Pharmacy requirements.</p> <p>MODULE C - PHARMACY PRACTICE Professional Competency: C1.0 Describe common practices for pharmacy technicians. Performance Objective - This competency is measured cognitively. Learning Objectives: C1.1.1 Describe the importance of eliminating medication errors. C1.1.2 Discuss the role of technology in reducing medication errors. C1.1.3 Describe the importance of infection control. C1.1.4 Describe various aseptic techniques. C1.1.5 Describe handling and disposing of various pharmacological agents and equipment. C1.1.6 Calculate doses. C1.1.7 Differentiate between sterile and non-sterile compounding. C1.1.8 Describe equipment used for pharmaceutical compounding.</p>	<p>Course Title: Introduction to Pharmacy Unit 2 - Legal and Ethical Implications Content Standards: 3. Describe ethical characteristics required in the pharmacy workplace. 4. Explain state laws and regulations pertaining to a career in pharmacy. Learning Objectives: 1. Identify ethical characteristics for the pharmacy workplace. 2. Identify state laws and regulations pertaining to pharmacy careers. 3. Analyze regulations and practices related to storage mixtures and handling of pharmaceuticals. 4. Interpret unethical behaviors and effect on consumers.</p> <p>Course Title: Introduction to Pharmacy Unit 3 - Medical Terminology Content Standards: 5. Translate medical terms, symbols, and abbreviations from prescriptions to laymen's terms. Learning Objectives: 1. Define medical terms, symbols, and abbreviations related to prescriptions. 2. Use medical terms to calculate dosages, systems of measurement and conversions from one system to another. 3. Solve basic mathematical problems involving fractions, decimals, percentages, ratios and proportions.</p> <p>Course Title: Introduction to Pharmacy Unit 4 - Technology Content Standards: 6. Use technology to facilitate transactions in a pharmacy. Learning Objectives: 1. Utilize a variety of technology related to a pharmacy setting. 2. Use technology to assess, process and retrieve information</p>	

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<p>C1.1.9 Discuss procedures for prescription dispensing.</p>	<p>with appropriate supervision.</p> <p>Course Title: Introduction to Pharmacy Unit 5 - Math Concepts Content Standards:</p> <p>7. Use mathematics concepts in pharmaceutical settings.</p> <ul style="list-style-type: none"> • Calculating decimals, fractions, proportions, intravenous (IV) flow, and dosages; converting units between systems <p>Learning Objectives:</p> <p>1. Apply mathematical concepts to the pharmacy setting.</p> <p>Course Title: Introduction to Pharmacy Unit 6 - Technical Skills Content Standards:</p> <p>8. Demonstrate the procedure for filling prescriptions in a simulated pharmacy setting, including accepting medication orders, preparing prescription orders, labeling information, and dispensing drugs.</p> <p>Learning Objectives:</p> <p>1. Describe the procedure for filling prescriptions in the pharmacy setting.</p> <p>2. Demonstrate use of dosage calculations, measurements and drug considerations.</p> <p>Course Title: Introduction to Pharmacy Unit 7 - Pharmacology Content Standards:</p> <p>9. Identify classifications of selected drugs.</p> <p>10. Explain routes used for the administration of medicine during a simulated medical case study.</p> <p>11. Differentiate among drug interactions, drug reactions, and side effects.</p> <p>Learning Objectives:</p> <p>1. Identify and list classifications of selected drugs.</p> <p>2. Identify routes used for medication administration.</p> <p>3. Compare and contrast drug interactions, drug reactions, and side effects.</p>	

Postsecondary Course Objectives	Secondary Course Objectives	TEDAC Comments

TEDAC Committee Recommendation:

- Recommend articulation
- Do not recommend articulation at this time (See comments)
- Do not recommend articulation

Dave Laton (signed) 4/17/12
Co-chair, Postsecondary Education TEDAC Committee Date

Mylanda Brown (signed) 4/17/12
Co-chair, Secondary Education TEDAC Committee Date

TEDAC Oversight Committee Recommendation:

- Recommend articulation
- Do not recommend articulation at this time (See comments)
- Do not recommend articulation

Dave Laton (signed) 8/22/12
Co-chair, Postsecondary Education TEDAC Oversight Committee Date

Mylanda Brown (signed) 8/22/12
Co-chair, Secondary Education TEDAC Oversight Committee Date