

ULM Educational Outcome	ACPE 2011 Performance Domains & Abilities (Appendix D)
I. Provide Comprehensive Patient Specific Pharmaceutical Care.	<p>1. Patient Safety - Accurately Dispense Medications (order fulfillment):</p> <p>2. Basic Patient Assessment</p> <p>3. Medication Information</p> <p>4. Identification and Assessment of Drug related Problems</p> <p>5. Mathematics applied to pharmaceutical calculations, compounded medications, dose calculations, and applications of pharmacokinetic calculations.</p> <p>6. Ethical, Professional, and Legal Behavior</p> <p>7. General Communication Abilities</p>
1. Evaluate the appropriateness of a given prescription or medication order based on patient and disease-specific factors.	<p>1. Patient Safety - Accurately Dispense Medications (order fulfillment): Ability Statement: Demonstrate a commitment to and a valuing of patient safety by assuring accurate preparation, labeling, dispensing and distribution of prescriptions and medication orders.</p> <p>2. Basic Patient Assessment Ability Statement: Collect record and assess subjective and objective patient data to define health and medication-related problems. Patient information must be collected in a manner demonstrating knowledge of patient educational level, the unique cultural and socioeconomic situations of patients, and comply with requirements for patient privacy.</p> <p>4. Identification and Assessment of Drug related Problems Ability Statement: Correlate drug related variables and patient related variables to identify and assess drug related problems. Evaluate how the unique characteristics of patients and patient populations impact on manifestations of drug-related problems</p> <p>6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.</p> <p>7. General Communication Abilities Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback</p>

2. Evaluate each patient for self-treatment or referral.

2. Basic Patient Assessment

Ability Statement: Collect record and assess subjective and objective patient data to define health and medication-related problems. Patient information must be collected in a manner demonstrating knowledge of patient educational level, the unique cultural and socioeconomic situations of patients, and comply with requirements for patient privacy.

3. Develop and implement an evidence-based care plan. (pharmacology, medicinal chemistry, physiology, pathology, etc.)

2. Basic Patient Assessment

Ability Statement: Collect record and assess subjective and objective patient data to define health and medication-related problems. Patient information must be collected in a manner demonstrating knowledge of patient educational level, the unique cultural and socioeconomic situations of patients, and comply with requirements for patient privacy.

3. Medication Information

Ability Statement: Demonstrate knowledge of and accept responsibility for that knowledge of commonly used medications, formulations and drug products.

4. Identification and Assessment of Drug related Problems

Ability Statement: Correlate drug related variables and patient related variables to identify and assess drug related problems. Evaluate how the unique characteristics of patients and patient populations impact on manifestations of drug-related problems

4. Compound and/or dispense the most optimal formulation for drug delivery consistent with the patient needs and in harmony with the law.

1. Patient Safety - Accurately Dispense Medications (order fulfillment):

Ability Statement: Demonstrate a commitment to and a valuing of patient safety by assuring accurate preparation, labeling, dispensing and distribution of prescriptions and medication orders.

3. Medication Information

Ability Statement: Demonstrate knowledge of and accept responsibility for that knowledge of commonly used medications, formulations and drug products.

5. Mathematics applied to pharmaceutical calculations, compounded medications, dose calculations, and applications of pharmacokinetic calculations.

Ability Statement: Utilize pharmaceutical and pharmacokinetics mathematics to perform accurate medication calculations. Value the importance of total accuracy in performing and applying these calculations.

5. Document all activities involved with the provision of comprehensive patient specific pharmaceutical care.

2. Basic Patient Assessment

Ability Statement: Collect record and assess subjective and objective patient data to define health and medication-related problems. Patient information must be collected in a manner demonstrating knowledge of patient educational level, the unique cultural and socioeconomic situations of patients, and comply with requirements for patient privacy.

3. Medication Information

Ability Statement: Demonstrate knowledge of and accept responsibility for that knowledge of commonly used medications, formulations and drug products.

II. Communicate Effectively.

6. Ethical, Professional, and Legal Behavior

7. General Communication Abilities

8. Counseling Patients

9. Drug Information Analysis and Literature Research

10. Health and Wellness – Public Health

6. Counsel and educate patients regarding medication use, disease-state management, and health maintenance.

7. General Communication Abilities

Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication.

8. Counseling Patients:

Ability Statement: Provide effective health and medication information to patients and/or care givers and confirm patient and/or care giver understanding of the information being provided.

9. Drug Information Analysis and Literature Research

Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

7. Develop population-based patient education programs.

10. Health and Wellness – Public Health

Ability Statement: Know and apply principles of health and wellness in provision of individual and population-based health and wellness information. Integrate unique characteristics of individuals and populations in design of health and wellness information.

9. Drug Information Analysis and Literature Research

Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

8. Collaborate with other healthcare professionals using appropriate effective communication in both written and oral forms.

6. Ethical, Professional, and Legal Behavior

Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.

7. General Communication Abilities

Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication.

9. Read, write, speak, listen, and use data, media, and computers to send and respond effectively to communications for varied audiences and purposes.

6. Ethical, Professional, and Legal Behavior

Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.

7. General Communication Abilities

Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication

8. Counseling Patients:

Ability Statement: Provide effective health and medication information to patients and/or care givers and confirm patient and/or care giver understanding of the information being provided.

<p>III. Appropriately Manage and Use Resources of the Health Care System.</p>	<p>2. Basic Patient Assessment 6. Ethical, Professional, and Legal Behavior 7. General Communication Abilities 9. Drug Information Analysis and Literature Research 11. Insurance /Prescription Drug Coverage</p>
<p>10. Plan, organize, direct and control pharmaceutical care systems and human, material, and financial resources utilizing management theories and practices.</p>	<p>6. Ethical, Professional, and Legal Behavior Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.</p> <p>7. General Communication Abilities Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication</p> <p>11. Insurance /Prescription Drug Coverage Ability Statement: Utilizing knowledge of a wide array of private and public health insurance options assist patients and care givers to obtain their medications and related para-pharmaceuticals in an affordable manner that meets their health care needs</p>
<p>11. Apply patient and population specific data, quality assurance strategies, and research processes.</p>	<p>2. Basic Patient Assessment Ability Statement: Collect record and assess subjective and objective patient data to define health and medication-related problems. Patient information must be collected in a manner demonstrating knowledge of patient educational level, the unique cultural and socioeconomic situations of patients, and comply with requirements for patient privacy.</p> <p>11. Insurance /Prescription Drug Coverage Ability Statement: Utilizing knowledge of a wide array of private and public health insurance options assist patients and care givers to obtain their medications and related para-pharmaceuticals in an affordable manner that meets their health care needs.</p>

12. Ensure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in patient care.

7. General Communication Abilities
 Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

IV. Identify, Interpret, and Evaluate Literature Needed for the Provision of Drug Information and Pharmaceutical Care.

9. Drug Information Analysis and Literature Research

13. Define the question that needs to be answered.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

14. Distinguish among lay, professional, and scientific literature.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

15. Identify appropriate literature search engines for lay, professional and scientific literature.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

16. Explain the method of construct an appropriate search strategy for various literature types.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

17. Evaluate literature source validity.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

18. Explain methods for systematically evaluating literature.

9. Drug Information Analysis and Literature Research
 Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

19. Evaluate the appropriateness of research methodologies and statistical methods.	9. Drug Information Analysis and Literature Research Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.
20. Draw appropriate conclusions from research results.	9. Drug Information Analysis and Literature Research Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.
21. Assess the potential impact and implication of published information on current practices.	9. Drug Information Analysis and Literature Research Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.
V. Promote Health Improvement and Self-Care.	10. Health and Wellness – Public Health 11. Insurance /Prescription Drug Coverage
22. Promote/participate in effective health and disease prevention services as part of patient or population specific care.	10. Health and Wellness – Public Health Ability Statement: Know and apply principles of health and wellness in provision of individual and population-based health and wellness information. Integrate unique characteristics of individuals and populations in design of health and wellness information. 11. Insurance /Prescription Drug Coverage Ability Statement: Utilizing knowledge of a wide array of private and public health insurance options assist patients and care givers to obtain their medications and related para-pharmaceuticals in an affordable manner that meets their health care needs.
23. Collaborate with policy makers, health care providers, members of the community and administrative and support personnel to identify and resolve health problems and evaluate health policy.	10. Health and Wellness – Public Health Ability Statement: Know and apply principles of health and wellness in provision of individual and population-based health and wellness information. Integrate unique characteristics of individuals and populations in design of health and wellness information.
VI. Think Critically.	6. Ethical, Professional, and Legal Behavior 9. Drug Information Analysis and Literature Research
24. Identify, retrieve, understand, analyze, synthesize, and evaluate information needed to make informed, rational, and ethical decisions.	9. Drug Information Analysis and Literature Research Ability Statement: Assess information needs of patients and health providers and apply knowledge of study design and literature analysis and retrieval to provide accurate, evidence-based drug information.

25. Solve complex problems that require an integration of one's ideas and values within a context of scientific, social, cultural, legal, clinical, and ethical issues.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.
26. Display habits, attitudes, and values associated with mature critical thinking	
VII. Demonstrate Appropriate Interpersonal, Professional, and Ethical Behaviors.	3. Medication Information 6. Ethical, Professional, and Legal Behavior 7. General Communication Abilities
27. Maintain professional competence.	3. Medication Information Ability Statement: Demonstrate knowledge of and accept responsibility for that knowledge of commonly used medications, formulations and drug products.
28. Represent the profession in an ethical manner.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.
29. Identify, analyze, and resolve ethical problems involved in pharmacy practice.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.
30. Provide service to the profession and the community.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.
31. Collaborate proactively with other health care professionals.	7. General Communication Abilities Ability Statement: Demonstrate effective communication abilities in interactions with patients, their families and care givers, and other health care providers. Communication should be consistent with education level, cultural issues, and be empathetic. Elicit feedback validating understanding of communication.
32. Practice in a manner that is consistent with state and federal laws and regulations.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.

33. Accept the responsibilities embodied in the principles of pharmaceutical care.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.
34. Demonstrate appropriate interpersonal, intergroup, and cross-cultural behaviors that promote respect and trust from peers, patients, and community members.	6. Ethical, Professional, and Legal Behavior: Ability Statement: In all health-care activities, demonstrate knowledge of and sensitivity towards the unique characteristics of each patient. Comply with all federal, state, and local laws related to pharmacy practice. Demonstrate ethical and professional behavior in all practice activities.

