

TTUHSC CANDIDATE ABILITY SET

The following are the categories defining the seven basic abilities of TTUHSC Candidates:

- 1. Communication*
- 2. Use of Basic Science in the Practice of Pharmacy*
- 3. Problem Prevention and Solving*
- 4. Dispensing Pharmaceuticals*
- 5. Providing Patient-Specific and Population Based Pharmaceutical Care*
- 6. Professionalism*
- 7. Social and Administrative Science*

The following defines the various Levels of Abilities (Code.Ability.Level.Item):

Communication (CO)

Level P0. The entering candidates will have received interview scores indicative of a demonstration of competence in general communication skills. The entering candidates will have received an initial assessment of abilities and interview scores demonstrating their abilities to:

- CO.P0.01. Communicate effectively through verbal means
- CO.P0.02. Listen effectively
- CO.P0.03. Communicate effectively in written form
- CO.P0.04. Solve a selected situational dilemma

Level P1. Candidates who have completed the first half of their first year of the professional curriculum will have mastered the principles of effective reading, writing, listening, and visually communicating with selected communications partners. The P-1 student will be able to demonstrate abilities to:

- CO.P1.01. Describe how to identify the level of a patient's, a patient's agent, or another health care provider's relative ability to communicate/level of communication
- CO.P1.02. Describe how to identify the appropriate vehicle of communication for the given communications partner
- CO.P1.03. Describe how to verbally communicate with patients, patients' agents, and other health care providers
- CO.P1.04. Describe how to non-verbally communicate with patients, patients' agents, and other health care providers
- CO.P1.05. Describe how to communicate written messages to patients, patients' agents, and other health care providers
- CO.P1.06. Describe how to communicate an educational message through a patient information/education flyer
- CO.P1.07. Describe how to listen actively and with empathy to patients, patients' agents, and other health care providers
- CO.P1.08. Describe the use of computers in communication

Level P2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated competence in the areas of reading, writing, listening, and communicating with selected communications partners. The P-2 student will be able to demonstrate ability to:

- CO.P2.01. Enter and decipher selected computer based data correctly
- CO.P2.02. Develop and interpret an information database in narrative, graphic, and tabular form

Level P3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated competence in the areas of reading, writing, listening, and visually communicating with selected communications partners. The P-3 student will be able to demonstrate abilities to:

- CO.P3.01. Identify the level of a selected patient's, a patient's agent, or another health care provider's ability/level of communication
- CO.P3.02. Identify the appropriate vehicle of communication for a selected communication partner
- CO.P3.03. Communicate verbally with a selected patient, patient's agent, or other health care provider accurately
- CO.P3.04. Communicate non-verbal messages with a selected patient, patient's agent, or other health care provider accurately
- CO.P3.05. Communicate written messages with a selected patient, patient's agent, or other health care provider accurately
- CO.P3.06. Prepare and communicate effectively a selected educational message through a patient information sheet
- CO.P3.07. Actively and empathetically listen to a selected patient, patient's agent, or other health care providers

Level P4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated competence in the areas of reading, writing, listening, and visually communicating with selected communications partners. In an actual clinical situation, in a practice setting, the P-4 student will be able to demonstrate abilities to:

- CO.P4.01. Validate the understanding of the knowledge transmitted to patients, patients' agents, and other health care providers in a patient care setting
- CO.P4.02. Communicate a complex principle or idea in simple terms
- CO.P4.03. Establish rapport with patients, patients' agents and other members of the health care team
- CO.P4.04. Demonstrate control over a selected clinical situation
- CO.P4.05. Demonstrate respect for the values and opinions of others
- CO.P4.06. Present an idea/proposal persuasively
- CO.P4.07. Assert objectives in the best interest of quality patient care in a professional manner

Use of Basic Science in the Practice of Pharmacy (BS)

Level P0. The entering candidates will have a solid basic science background. The entering candidate will have received an initial assessment of abilities and interview scores demonstrating abilities to achieve:

- BS.P0.01. a minimum acceptable cumulative grade point average in all college-level course work
- BS.P0.02. a minimum acceptable grade point average in all math/science college-level course work
- BS.P0.03. or exceed a minimum acceptable percentile score on the PCAT

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will have demonstrated their abilities in the basic sciences. The P-1 student will be able to demonstrate abilities to:

- BS.P1.01. Define the nature, location, and function of a selected component of the human anatomy
- BS.P1.02. Describe different routes of medication administration
- BS.P1.03. Define the advantages and disadvantages of a selected route of medication administration
- BS.P1.04. Describe the structure and function of the components of a normal human cell
- BS.P1.05. Describe the organization, structure, and function of cells in selected human tissues
- BS.P1.06. Describe the consequences of a selected anatomical abnormality

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated their abilities in the basic sciences. The P-2 student will be able to demonstrate abilities to:

- BS.P2.01. Describe the normal physiology of a selected human organ system
- BS.P2.02. Describe the pathophysiology of a selected disease state
- BS.P2.03. Describe the mechanism of action of a selected drug
- BS.P2.04. Describe the mechanism of interaction between two selected drugs
- BS.P2.05. Define a therapeutic goal in terms of human physiology
- BS.P2.06. Define the consequence of a selected phenomenon on the absorption, distribution, metabolism, and excretion of a selected drug
- BS.P2.07. Apply principles of pharmaceutics to the design of various dosage forms.
- BS.P2.08. Differentiate among various pharmaceutical dosage forms and delivery systems
- BS.P2.09. Describe different modes of drug degradation and their impact on drug shelf life
- BS.P2.10. Estimate patient-specific pharmacokinetic parameters

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated their abilities in the basic sciences. The P-3 student will be able to demonstrate abilities to:

- BS.P3.01. Identify the probable adverse effects of a drug based on its pharmacologic classification
- BS.P3.02. Describe the probable action of a drug based on its pharmacologic classification
- BS.P3.03. Perform basic pharmaceutical calculations in a patient care setting

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated their abilities in the basic sciences. The P-4 student will be able to demonstrate abilities to:

- BS.P4.01. Develop a disease management strategy

Problem Prevention and Solving (PS)

Level P-0. Entering candidates will have the ability to solve and prevent problems, and will have received an initial assessment of abilities and interview scores demonstrating their abilities to:

- PS.P0.01. State the process for solving a selected situational dilemma
- PS.P0.02. Define a solution to a selected situational dilemma
- PS.P0.03. Reach a group consensus given a situational dilemma

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will have demonstrated their abilities to solve and prevent problems. The P-1 student will be able to demonstrate abilities to:

- PS.P1.01. Identify a selected problem in a well defined controlled situation
- PS.P1.02. Identify the process of problem solving in a well defined controlled situation

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated their abilities to solve and prevent problems. The P-2 student will be able to demonstrate abilities to:

- PS.P2.01. State the consequences of not solving a selected problem in a well defined controlled situation
- PS.P2.02. Describe the process of problem solving for a selected problem in a well defined controlled situation
- PS.P2.03. Solve a selected problem in a well defined controlled situation
- PS.P2.04. Evaluate the proposed solution to a selected problem in a well defined controlled situation

PS.P2.05. Evaluate the impact of a suggested solution to a selected problem on the stakeholders in a well defined controlled situation

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated their abilities to solve and prevent problems. The P-3 student will be able to demonstrate abilities to:

- PS.P3.01. Identify the essential elements given an ill-defined, but controlled problem
- PS.P3.02. State the consequences of not solving an ill-defined, but controlled problem
- PS.P3.03. Solve a selected ill-defined, but controlled problem
- PS.P3.04. Evaluate the proposed solution to an ill-defined, but controlled problem in a selected health care scenario
- PS.P3.05. Evaluate the impact of the suggested solution on the stakeholders in an ill-defined, but controlled health care scenario

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated their abilities to solve and prevent problems. The P-4 student will be able to demonstrate abilities to:

- PS.P4.01. Identify the essential elements given an unarticulated problem in an ill defined uncontrolled patient care setting
- PS.P4.02. State the consequences of not solving an ill defined uncontrolled problem associated with a selected health care scenario in a patient care setting
- PS.P4.03. Solve a selected ill defined uncontrolled problem
- PS.P4.04. Evaluate the proposed solution to an ill defined uncontrolled problem defined for a selected health care scenario in a patient care setting
- PS.P4.05. Evaluate the impact of the suggested solution on the stakeholders in an ill defined uncontrolled selected health care

Dispensing Pharmaceuticals (DP)

Level P-0. The entering candidate will display fundamental abilities in math and science. The entering candidate will have received an initial assessment of abilities and interview scores demonstrating abilities to achieve or exceed a minimum acceptable:

- DP.P0.01. grade point average in their math/science college-level course work
- DP.P0.02. percentile score on the PCAT
- DP.P0.03. percentile score on the Quantitative Scale of the PCAT
- DP.P0.04. percentile score on the Chemistry Scale of the PCAT

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will have demonstrated their basic drug order processing and dispensing abilities. The P-1 student will be able to demonstrate abilities to:

- DP.P1.01. Read a written prescription
- DP.P1.02. Perform a selected pharmaceutical dosage form calculation
- DP.P1.03. Calculate a dose from a selected word problem.

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated their drug order processing and dispensing abilities. The P-2 student will be able to demonstrate abilities to:

- DP.P2.01. Differentiate between over-the-counter and legend drug items
- DP.P2.02. Provide appropriate counseling on non-prescription medications
- DP.P2.03. Detect drug-drug, drug-excipient, and drug-container incompatibilities
- DP.P2.04. Design individualized dosage regimens based on the patient-specific or population kinetic data
- DP.P2.05. Compound a selected dosage form
- DP.P2.06. Label and package a selected dosage form according to state and federal laws.
- DP.P2.07. Demonstrate knowledge of the operating processes of medication dispensing systems.

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated their drug order processing and dispensing abilities. The P-3 student will be able to demonstrate abilities to:

- DP.P3.01. Detect irrational polypharmacy
- DP.P3.02. Define when a given prescription falls outside the usual dose for a selected medication
- DP.P3.03. Recommend a course of action when a selected medication order should not be filled
- DP.P3.04. Detect a patient specific datum from a computerized patient database
- DP.P3.05. Demonstrate the ability to place a drug order for controlled and non-controlled substances
- DP.P3.06. Determine whether a selected medication order should be filled
- DP.P3.07. Counsel a patient on the appropriate method of taking a selected prescription medication
- DP.P3.08. Transcribe a verbal prescription order

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated their drug order processing and dispensing abilities. The P-4 student will be able to demonstrate abilities to:

- DP.P4.01. Perform patient-specific pharmacokinetic calculations in a patient care setting
- DP.P4.02. Assess compliance in a patient care setting
- DP.P4.03. Demonstrate the ability to practice within a selected patient care setting within state and federal pharmacy regulation.
- DP.P4.04. Demonstrate competently use and operate a selected medication system in a selected patient care setting.

Providing Patient-Specific and Population-Based Pharmaceutical Care (PC)

Level P-0. The entering candidates will have demonstrated their academic preparedness, problem-solving skills, and interpersonal abilities. The entering candidates will have received an initial assessment of abilities and interview scores demonstrating their abilities to:

- PC.P0.01. Achieve or exceed a minimum acceptable cumulative grade point average in all college/level course work
- PC.P0.02. Achieve or exceed a minimum acceptable grade point average in their math/science college/level course work
- PC.P0.03. Achieve or exceed a minimum acceptable percentile score on the PCAT
- PC.P0.04. Communicate effectively through verbal means
- PC.P0.05. Effectively solve a selected situational dilemma

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will have demonstrated their basic pharmaceutical care abilities. The P-1 student will be able to demonstrate abilities to:

- PC.P1.01. Define the term drug use review
- PC.P1.02. Define the term clinical pharmacy
- PC.P1.03. Define the term pharmaceutical care
- PC.P1.04. Describe the elements of pharmaceutical care
- PC.P1.05. Describe the important functions of the pharmacist in delivering quality care to an individual patient
- PC.P1.06. Describe the value of counseling patients
- PC.P1.07. Define the concept of therapeutic outcome
- PC.P1.08. Define the term preventive care

- PC.P1.09. Identify barriers to access to health care for a selected patient-population

- PC.P1.10. Describe the procedure for the administration of a selected dosage form

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated their basic pharmaceutical care abilities. The P-2 student will be able to demonstrate abilities to:

- PC.P2.01. Describe the essential elements of a patient database
- PC.P2.02. Create a patient-specific database for a selected patient
- PC.P2.03. Describe the location of a selected patient datum in a patient database
- PC.P2.04. Describe the concept of patient confidentiality
- PC.P2.05. Define the term population-based pharmaceutical care
- PC.P2.06. Describe the role of the pharmacist as a patient advocate
- PC.P2.07. Describe quality of life issues for a given medical condition
- PC.P2.08. Describe the role of the pharmacist in preventive care
- PC.P2.09. Identify an appropriate required laboratory test
- PC.P2.10. Define the characteristic elements of a written protocol
- PC.P2.11. Describe a healthy lifestyle
- PC.P2.12. Describe patient rights
- PC.P2.13. Define the concept of cost-benefit analysis
- PC.P2.14. Describe community resources available for a selected patient-population

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated their pharmaceutical care abilities. The P-3 student will be able to demonstrate abilities to:

- PC.P3.01. Define a therapeutic problem for a selected patient or patient-population
- PC.P3.02. Define a therapeutic goal for a selected patient or patient-population
- PC.P3.03. Devise a therapeutic approach for the resolution of the problem identified for a selected patient or patient-population
- PC.P3.04. Devise a drug and non-drug regimen for the resolution of the problem identified for a selected patient or patient-population
- PC.P3.05. Devise an alternative course for the resolution of the problem identified for a selected patient or patient-population
- PC.P3.06. Describe the issues associated with compliance for the resolution of the problem identified for a selected patient or patient-population
- PC.P3.07. Detect adverse drug effects associated with a selected drug regimen
- PC.P3.08. Assess the progress toward a selected therapeutic goal for a selected patient or a patient-population.
- PC.P3.09. Recommend dosage adjustment for a selected drug regimen for a selected patient
- PC.P3.10. Retrieve drug or disease state information related to a selected patient problem
- PC.P3.11. Define the association of co-morbidities with a selected medical problem
- PC.P3.12. Define predisposing factors associated with a selected medical problem
- PC.P3.13. Differentiate disease states based upon given symptoms in a selected patient
- PC.P3.16. Interpret a laboratory test
- PC.P3.17. Be certified to provide appropriate treatment for emergency first care
- PC.P3.18. Monitor therapy for a selected patient
- PC.P3.19. Take a patient drug history

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated their basic pharmaceutical care abilities. The P-4 student will be able to demonstrate abilities to:

- PC.P4.01. Assess the outcome of pharmacotherapy and non-drug treatment in a patient care setting
- PC.P4.02. Manage a medical problem in a patient care setting
- PC.P4.03. Manage a patient's symptoms in a patient care setting
- PC.P4.04. Prevent an undesired outcome in a patient care setting
- PC.P4.05. Manage an undesired outcome in a patient care setting
- PC.P4.06. Assess the impact of a medical problem on the quality of life of a selected patient in a patient care setting
- PC.P4.07. Assess the impact of drug and non-drug treatment on the quality of life of a selected patient in a patient care setting
- PC.P4.08. Plan a therapeutic approach in a patient care setting
- PC.P4.09. Empower the patient as an active partner in a patient care setting
- PC.P4.10. Assess the cost-effectiveness of a therapeutic approach to resolution of a selected medical problem in a patient care setting
- PC.P4.11. Administer a selected dosage form
- PC.P4.12. Perform a drug use evaluation in a patient care setting
- PC.P4.13. Document interventions in a patient care setting
- PC.P4.14. Assess the effectiveness of selected interventions in a patient care setting
- PC.P4.15. Assess the cost-effectiveness/cost-benefit of a clinical service in a patient care setting
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- PC.P4.16. Aid healthcare providers during emergency first care
- PC.P4.17. Use computer and technology skills in a selected practice setting.
- PC.P4.18. Demonstrate the ability to retrieve, evaluate and apply current medical literature in the delivery and communication of pharmaceutical care.
- PC.P4.19. Detect potential drug interactions in a patient care setting

Professionalism (PR)

Level P-0. The entering candidates will have demonstrated their academic preparedness, problem-solving skills, and interpersonal abilities. The entering candidates will have received an initial assessment of abilities and interview scores demonstrating their abilities to:

- PR.P0.01. Achieve or exceed a minimum acceptable cumulative grade point average in all college-level course work
- PR.P0.02. Communicate effectively through verbal means
- PR.P0.03. Effectively solve a selected situational dilemma
- PR.P0.04. Describe their personal commitment to a healthcare career through practical

- experience
- PR.P0.05. Describe their personal commitment to the welfare of patients
 - PR.P0.06. Describe their personal commitment to the progression of pharmacy
 - PR.P0.07. Demonstrate professional bearing
 - PR.P0.08. State their personal commitment to a health care career through practical experience
 - PR.P0.09. Describe their personal commitment to their community through volunteerism
 - PR.P0.10. Demonstrate academic maturity

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will have demonstrated their basic academic preparedness, problem solving skills, and ability to reason and make informed moral judgments. The P-1 student will be able to demonstrate abilities to:

- PR.P1.01. Differentiate among judgment, ethics, and values as it applies to the profession of pharmacy
- PR.P1.02. Define the concept of quality of care
- PR.P1.03. Define the concept of public trust
- PR.P1.04. Describe the reasonable person concept

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will have demonstrated their problem solving skills and ability to reason and make informed moral judgments. The P-2 student will be able to demonstrate abilities to:

- PR.P2.01. Describe the roles of the pharmacist within the community
- PR.P2.02. Define the role of the pharmacist in an interdisciplinary care team
- PR.P3.03. Represent Teas Tech and the profession with dignity

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will have demonstrated their problem solving skills and ability to reason and make informed moral judgments. The P-3 student will be able to demonstrate abilities to:

- PR.P3.01. Demonstrate involvement in the profession
- PR.P3.02. Be aware of, and sensitive to cultural diversity
- PR.P3.03. Define professional responsibility as it applies to the practice of pharmacy
- PR.P3.04. Demonstrate punctuality and preparedness in a pharmacy practice setting
- PR.P3.05. Dress professionally in a pharmacy practice setting
- PR.P3.06. Demonstrate conscientiousness in a pharmacy practice setting

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will have demonstrated their problem solving skills and ability to reason and make informed moral judgments. The P-4 student will be able to demonstrate abilities to:

- PR.P4.01. Practice ethically in a patient care setting
- PR.P4.02. Justify a decision made in a patient care setting
- PR.P4.03. Lead when appropriate in a patient care setting
- PR.P4.04. Demonstrate flexibility in a patient care setting
- PR.P4.05. Serve as a role model in a patient care setting
- PR.P4.06. Prioritize tasks in a patient care setting
- PR.P4.07. Work within personal and professional limits in a patient care setting
- PR.P4.08. Commit to lifelong learning
- PR.P4.09. Follow when appropriate in a patient care setting
- PR.P4.10. Manage time, and focus despite distractions
- PR.P4.11. Assume responsibility for your decisions, performance, and/or actions

Social and Administrative Science (SA)

Level P-0. The entering candidates will have received an initial assessment of abilities and interview scores demonstrating their abilities to:

- SA.P0.01. Demonstrate computer literacy
- SA.P0.02. Achieve or exceed a minimum acceptable cumulative grade point average in all college-level course work
- SA.P0.03. Communicate effectively through verbal means
- SA.P0.04. Solve a selected situational dilemma

Level P-1. Candidates who have completed the first half of their first year of the professional curriculum will be able to demonstrate their social and administrative sciences knowledge, skills, and abilities to:

- SA.P1.01. Describe the concepts of the states of health and illness
- SA.P1.02. Differentiate cultural aspects of health and illness
- SA.P1.03. Describe the relative impacts of life events on health and illness
- SA.P1.04. Identify the current trends in the pharmaceutical industry
- SA.P1.05. Differentiate the postures of sympathy and empathy
- SA.P1.06. Describe the ethical principles associated with a given scenario
- SA.P1.07. Differentiate ethical principles from legal principles

Level P-2. Candidates who have completed the first half of their second year of the professional curriculum will be able to demonstrate their social and administrative sciences knowledge, skills, and abilities to:

- SA.P2.01. Define, from a legal perspective, food, drug, cosmetic, device, label, and labeling
- SA.P2.02. Identify the situations that may cause a drug to be adulterated or misbranded
- SA.P2.03. Know the federal record keeping activities for drug distribution by pharmacists
- SA.P2.04. Compare and contrast the Federal Controlled Substances Act with the Harrison Act
- SA.P2.05. State the general purpose of the Texas Pharmacy Act
- SA.P2.06. Define the specific form of negligence suggested by a selected health care scenario
- SA.P2.07. Define the term maleficence
- SA.P2.08. Define the term beneficence
- SA.P2.09. Define the implications of the edge-of-the-wedge/slippery slope concept for a selected health care problem
- SA.P2.10. Compare and contrast the implications of withholding versus withdrawing medical care
- SA.P2.11. Discuss the legal and ethical implications of DNR orders

Level P-3. Candidates who have completed the first half of their third year of the professional curriculum will be able to demonstrate their social and administrative sciences knowledge, skills, and abilities to:

- SA.P3.01. Define a mission statement for a selected project
- SA.P3.02. Describe the process of a staff evaluation procedure
- SA.P3.03. Describe the appropriate process for hiring and motivation of personnel
- SA.P3.04. Describe the appropriate process for disciplining and terminating of personnel
- SA.P3.05. Develop a quality assurance plan for a selected service or project
- SA.P3.06. Competently apply state and federal regulations in a selected personnel management situation
- SA.P3.07. Describe the nature and function of a selected financial document

Level P-4. Candidates who have completed the first half of their fourth year of the professional curriculum will be able to demonstrate their social and administrative sciences knowledge, skills, and abilities to:

- SA.P4.01. Develop a project budget
- SA.P4.02. Develop a business plan for a selected service or project
- SA.P4.03. Describe the procedures involved in inventory control
- SA.P4.04. Analyze a selected financial business document
- SA.P4.05. Describe the public policy issues associated with a selected medical care scenario