

## Core Competencies for Entering Medical Students

### Thinking & Reasoning Competencies

**Critical Thinking:** Uses logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.

**Quantitative Reasoning:** Applies quantitative reasoning and appropriate mathematics to describe or explain phenomena in the natural world.

**Scientific Inquiry:** Applies knowledge of the scientific process to integrate and synthesize information, solve problems and formulate research questions and hypotheses; is facile in the language of the sciences and uses it to participate in the discourse of science and explain how scientific knowledge is discovered and validated.

**Written Communication:** Effectively conveying information to others using written words and sentences.

### Intrapersonal Competencies

**Ethical Responsibility to Self and Others:** Behaves in an honest and ethical manner; cultivates personal and academic integrity; adheres to ethical principles and follows rules and procedures; resists peer pressure to engage in unethical behavior and encourages others to behave in honest and ethical ways; develops and demonstrates ethical and moral reasoning.

**Reliability and Dependability:** Consistently fulfills obligations in a timely and satisfactory manner; takes responsibility for personal actions and performance.

**Resilience and Adaptability:** Demonstrates tolerance of stressful or changing environments or situations and adapts effectively to them; is persistent, even under difficult situations; recovers from setbacks.

**Capacity for Improvement:** Sets goals for continuous improvement and for learning new concepts and skills; engages in reflective practice for improvement; solicits and responds appropriately to feedback.

### Science Competencies

**Living Systems:** Applies knowledge and skill in the natural sciences to solve problems related to molecular and macro systems including biomolecules, molecules, cells, and organs.

**Human Behavior:** Applies knowledge of the self, others, and social systems to solve problems related to the psychological, socio-cultural, and biological factors that influence health and well-being.

### Interpersonal Competencies

**Service Orientation:** Demonstrates a desire to help others and sensitivity to others' needs and feelings; demonstrates a desire to alleviate others' distress; recognizes and acts on his/her responsibilities to society, locally, nationally, and globally.

**Social Skills:** Demonstrates awareness of others' needs, goals, feelings, and the ways social and behavioral cues affect peoples' interactions and behaviors; adjusts behaviors appropriately in response to these cues; and treats others with respect.

**Cultural Competence:** Demonstrates knowledge of social and cultural factors that affect interactions and behaviors; shows an appreciation and respect for multiple dimensions of diversity; recognizes and acts on the obligation to inform one's own judgment; engages diverse and competing perspectives as a resource for learning, citizenship, and work; recognizes and appropriately addresses bias in themselves and others; interacts effectively with people from diverse backgrounds.

**Teamwork:** Works collaboratively with others to achieve shared goals; shares information & knowledge with others and provides feedback; puts team goals ahead of individual goals.

**Oral Communication:** Effectively conveys information to others using spoken words and sentences; listens effectively; recognizes potential communication barriers and adjusts approach or clarifies information as needed.