


<p><b>Name of Policy:</b> College of Medicine &amp; Life Sciences: Educational Program Objectives (Core Competencies) for the College of Medicine</p> <p><b>Policy Number:</b> 3364-81-04-011-01</p> <p><b>Approving Officer:</b> Dean, College of Medicine &amp; Life Sciences</p> <p><b>Responsible Agent:</b> Associate and Assistant Deans for Undergraduate Medical Education and Director of Assessment, Accreditation and Continuous Quality Improvement</p> <p><b>Scope:</b> College of Medicine &amp; Life Sciences M.D. Program</p>	 <p><b>Revision date:</b> 08/17/18</p> <p><b>Original effective date:</b> 7/01/03</p>				
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(A) Policy statement

The core competencies serve as statements of what students are expected to learn or accomplish during the course of the Doctor of Medicine program. They are defined in terms of expectations for graduates' knowledge, skills, and attitudes and behaviors of professionalism. These outcomes are aligned with the American Council on Graduate Medical Education (ACGME) six core competencies.

(B) Purpose of policy

These program objectives/core competencies guide the curriculum for all four years of the Doctor of Medicine program.

(C) Scope

This policy applies to all students enrolled in the Doctor of Medicine program, as well as the faculty and administration of the University of Toledo College of Medicine & Life Sciences.

(D) Procedure

Working through the faculty representatives on the Executive Curriculum Committee (ECC), the UT COMLS faculty have designed a program in which knowledge, skills and professionalism are learned and applied through an integrated four-year curriculum. The ECC has responsibility for the articulation of the Educational Program Objectives, hereby referred to as core competencies, which direct the curriculum. The ECC is responsible for the regular review of the core competencies and may add, delete or modify them when they deem it necessary. These are distributed to all medical students, teaching faculty, residents and others who are involved in the instruction of medical students.

UT COMLS students have the opportunity to learn through direct contact with content experts, through problem-based and problem-solving formats, through computer-facilitated independent learning, through laboratory-based practice with feedback, and experientially through supervised interactions with real and simulated patients. The students are held accountable to the core competencies as part of the graduation requirements for the Doctor of Medicine degree.

*Core Competencies Required for Graduation*

**University of Toledo College of Medicine and Life Sciences**

**Medical Knowledge**

**Students must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social behavioral sciences across the lifespan, as well as the application of this knowledge to patient care.**

Graduating medical students will be competent and have demonstrated

- MK-1 Knowledge of the normal structure and function of all organ systems
- MK-2 Knowledge of the molecular, biochemical and cellular mechanisms related to normal and abnormal function
- MK-3 Knowledge of underlying causes of common disorders and their pathogenesis
- MK-4 Knowledge of altered structure and function (pathology and pathophysiology) associated with various diseases
- MK-5 Knowledge of clinical manifestations of common diseases
- MK-6 Knowledge of pharmacological basis of therapeutics
- MK-7 Knowledge of scientific principles required to practice evidence-based medicine
- MK-8 Knowledge about pain relief and palliative care
- MK-9 Knowledge of ethical principles that govern decision making in medicine
- MK-10 Knowledge of normal and abnormal human behavior
- MK-11 Knowledge of the manner in which people of diverse cultures and belief systems perceive health/illness and respond to symptoms, diseases and related treatments
- MK-12 Knowledge of the non-biological determinants of health and the economic, psychological, social and cultural factors that contribute to health and disease
- MK-13 Knowledge of gender, cultural and other biases that impact delivery of health care
- MK-14 Knowledge of fundamentals of medical professionalism
- MK-15 Knowledge of fundamental principles of preventive medicine and population/public health
- MK-16 Knowledge of fundamental principles of patient centered and team based care, patient safety as well as quality improvement in health care delivery

## **Patient Care**

**Students must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health across the life span. Students must be able to utilize all medical, diagnostic, and procedural skills considered essential for the area of practice.**

Graduating medical students will be competent and have demonstrated

PC-1 The ability to obtain an accurate, relevant and complete medical history that covers all essential aspects of the history

PC-2 The ability to perform a physical examination that is both complete and accurate

PC-3 The ability to conduct an accurate, relevant focused history and physical in appropriate clinical situations

PC-4 The ability to document a patient encounter that is legible (if applicable), organized, concise, timely and accurate

PC-5 The ability to obtain informed consent for common medical and surgical procedures in a compassionate, professional and efficient manner

PC-6 The ability to perform common procedures utilizing safe and effective techniques and with universal precautions

PC-7 The ability to use knowledge of the most frequent clinical, laboratory, radiographic and pathological manifestations to interpret the results of commonly used diagnostic procedures

PC-8 The ability to construct appropriate common diagnostic and therapeutic strategies for patients with common conditions, both acute and chronic

PC-9 The ability to recognize emergency medical conditions and institute appropriate initial therapy

PC-10 The ability to retrieve (from electronic databases and other resources), manage, and utilize biomedical information to deliver safe and effective clinical care

PC-11 The ability to deliver care in interprofessional teams

## **Professionalism**

**Students must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.**

Graduating medical students will be competent and have demonstrated

PB-1 Ethical, responsible, reliable and dependable behavior in all aspects of their professional lives and a commitment to patients, society and the profession

PB-2 Honesty and integrity in all interactions with patients, families, staff, colleagues and others with whom students interact in their professional life

PB-3 Professionalism in dress, grooming, manner of speech and personal interactions with patients, families, staff, colleagues and others with whom students interact in their professional life

PB-4 Respect for the privacy and dignity of patients and their families

PB-5 Compassionate treatment of patients

PB-6 Knowledge of, and respect for other health care professionals, and of the need to collaborate with others in caring for patients as well as promoting population health

PB-7 Knowledge of key principles required for delivery of culturally competent care

PB-8 Professional maturity by appropriately managing conflicts, coping with personal and professional stress and showing flexibility in potentially ambiguous situations

### **Interpersonal and Communication Skills**

**Students must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients across the life span, their families, other health professionals, and the community at large.**

Graduating medical students will be competent and have demonstrated

IPC-1 The ability to communicate effectively in a timely manner, both verbally and in writing, with patients, patients' families, colleagues, and others with whom physicians must exchange information in carrying out their responsibilities

IPC-2 The ability to communicate effectively with colleagues within one's discipline as well as other health professionals in a respectful, professional and timely manner to ensure interdisciplinary and interprofessional delivery of high quality care

IPC-3 The ability to communicate in a culturally competent manner with patients, families and community at large

IPC-4 The ability to apply principles of cultural competence to all aspects of health care delivery

## **Practice Based Learning and Improvement**

**Students must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.**

Graduating medical students will be competent and have demonstrated

PBL-1 The capacity to recognize and accept limitations in one's own knowledge and clinical skills, and a commitment to continuously improve one's knowledge and ability through lifelong learning

PBL-2 The ability to independently set learning and improvement goals

PBL-3 The ability to incorporate all forms of feedback in identifying gaps in knowledge, skills and professionalism and implement remediation plans

PBL-4 The ability to utilize information technology in improving medical knowledge and delivering care to patients and populations

PBL-5 The ability to identify, analyze and assimilate evidence from scientific research and apply to patients' health problems

PBL-6 The ability to participate effectively in education of patients, their families and caregivers, other trainees, and other health professionals

PBL-7 The ability to apply fundamentals of basic sciences to clinical problems

## **Systems Based Practice**

**Students must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.**

Graduating medical students will be competent and have demonstrated

SBP-1 Knowledge of the role and responsibilities of physician and other health care professionals in various models of health care organizations, and the impact of finances/economics on delivery of health care

SBP-2 Knowledge of impact of health care disparities in delivery of health care

SBP-3 Knowledge of economic impact of diagnostic and therapeutic evaluation and risk-benefit analysis in both patient and population-based care

SBP-4 The ability to identify and report systems error as well as identify potential solutions.

SBP-5 The ability to participate effectively in and deliver care in an interprofessional team

<p>Approved by:</p> <p><u>/s/</u> Christopher Cooper, M.D. Executive VP for Clinical Affairs and Dean, College of Medicine &amp; Life Sciences</p> <p><u>April 17, 2019</u> Date</p> <p><i>Review/Revision Completed by:</i> Associate and Assistant Deans for Undergraduate Medical Education and Director of Assessment, Accreditation and Continuous Quality Improvement</p>	<p><b>Policies Superseded by This Policy:</b> <b>None.</b> This policy formerly was named: <b>Educational Program Objectives</b></p> <p><b>Initial effective date: 07/01/03</b></p> <p><b>Review/Revision Date:</b></p> <ul style="list-style-type: none"><li>• 09/17/04</li><li>• 04/22/07</li><li>• 07/24/12</li><li>• 06/16/15</li><li>• 08/17/18</li></ul> <p><b>Next review date: 08/17/21</b> (three years from most recent revision/review date)</p>
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