



PROGRAM LEVEL EDUCATIONAL OBJECTIVES

Knowledge, Skills, and Attitudes/Behaviors

Knowledge: The MSUCOM student will understand:

- K1. Normal structure-function relationships that provide a basis for understanding and treating disease.
- K2. Biological mechanisms governing homeostasis.
- K3. Principles of preventive medicine and health promotion.
- K4. Genetic, biochemical, microbiologic, immunologic, physiologic and environmental mechanisms that underlie disease states and their treatment.
- K5. The manifestations and consequences of illness at various stages of life.
- K6. Clinical, laboratory, radiologic and pathologic manifestations of disease states.
- K7. Mechanisms of drug action, pharmacokinetics, pharmacodynamics and therapeutics.
- K8. The fundamental osteopathic principles of body unity, the interrelatedness of structure and function, and the human body's self-healing and self-regulatory mechanisms that provide the foundation for osteopathic practice.
- K9. The basic science, mechanisms of action and physical findings of somatic dysfunction.
- K10. The mechanisms of action, indications and contraindications, and basic application of Osteopathic Manipulative Treatment (OMT).
- K11. Fundamental epidemiologic concepts, methods and statistical principles that underlie evidence-based medicine.
- K12. The impact of social inequalities in health care and the factors that are determinants of health outcomes.
- K13. The personal values, attitudes and biases that influence patient care.
- K14. The ethical principles that underlie the medical profession and professional behavior.
- K15. The structure and function of the health care system and how it affects the delivery of osteopathic patient care.

Skills: The MSUCOM student will be able to:

- S1. Identify, access, interpret and apply medical evidence contained in the scientific literature.
- S2. Elicit a comprehensive history from a patient and other sources as appropriate and perform a clinically appropriate physical examination that integrates osteopathic principles and practices.
- S3. Interpret relevant laboratory, imaging and other diagnostic studies in the context of osteopathic patient care.
- S4. Communicate effectively with patients, families, colleagues and other health professionals and caregivers in various clinical settings.
- S5. Generate, access, and test appropriate hypotheses during the medical interview and physical examination to develop and prioritize an appropriate list of potential diagnoses.
- S6. Recognize and incorporate into clinical data gathering and decision making the psychosocial and cultural factors that contribute to health, illness, and behavior.
- S7. Competently perform basic clinical procedures essential for a general osteopathic practice.
- S8. Apply osteopathic principles, including the application of OMT and principles of preventative medicine and health promotion, into an appropriate patient-centered, evidence-based and cost-effective patient care plan.
- S9. Relate effectively to and build rapport with patients of all ages, gender, culture, educational and economic backgrounds.
- S10. Work in cooperation with other health care professionals in the care of patients and in the provision of quality patient-centered care.
- S11. Use guidelines and other standards of patient care and patient safety appropriately in osteopathic medical practice.

Attitudes/Behaviors: The MSUCOM student will demonstrate:

- A1. Compassion and sensitivity in the care of patients and respect for their privacy, dignity and right to be fully involved in decisions about care.
- A2. A responsiveness to the needs of patients and society that supersedes self-interest.

- A3. Accountability to patients, society and the profession.
- A4. A commitment to excellence, continuous self-assessment and ongoing professional development.
- A5. Commitment to the need to apply ethical principles in the execution of all duties and in all research endeavors.
- A6. Dedication to one's own well-being, in addition to that of patients.
- A7. Honesty and integrity in all interactions.
- A8. A commitment to promote health and well-being of the communities they serve.