



KHSC-Proposed KansasCOM Curriculum Objectives

The Dean/Chief Academic Officer (Dr. Dickerman) and Senior Associate Dean of Academic Affairs (Dr. Finley) developed a vision for the curriculum. Based on this collaboration, it was determined that the Kansas Health Science Center (KHSC) Kansas College of Osteopathic Medicine (KansasCOM) shall offer the Doctor of Osteopathic Medicine (DO) degree with the objectives of:

Year 1:

1. Development of a comprehensive foundation in anatomy, physiology, pathophysiology, medical therapeutics
2. Introduction to the clinical presentation model based on common patient and community presentations for the major organ systems
3. Introduction to Foundations of Doctoring including application of the principles of the scientific method, biostatistics, medical ethics, and inter-professional health care delivery
4. Development of foundational skills in osteopathic principles, the osteopathic structural examination, and osteopathic manipulative therapy
5. Development of foundational skills in physical examination, patient interviewing, and diagnosis
6. Introductory skills in research

Year 2:

1. Development of a comprehensive foundation in application of medical knowledge and skills to clinical presentations in preparation for clinical training
2. Development of advanced education in the clinical presentation model based on complex patient and community presentations for the major organ systems
3. Development of advanced Foundations of Doctoring skills including the principles of community needs assessment, community service, and team based care
4. Development of advanced skills in osteopathic principles, the osteopathic structural examination, and osteopathic manipulative therapy
5. Development of advanced skills in physical examination, patient interviewing, and diagnosis including the use of bedside ultrasound and complex patient simulation
6. Development of advanced skills in research including participation in a research project, research presentation, and development of a research protocol
7. Development of skills in life-long learning including COMLEX-USA preparation

Year 3:

1. Development of clinical skills in acute medical conditions, chronic disease management, preventive care, and wellness
2. Development of clinical skills in team based/inter-professional care; peer to peer communication, systems based care, and professionalism
3. Development of advanced skills in osteopathic principles, the osteopathic structural

- examination, and osteopathic manipulative therapy
4. Development of advanced skills in research including participation in a research project, research presentation, critical appraisal of medical literature, and research electives
 5. Development of skills in life-long learning including COMLEX-USA/COMAT preparation and use of medical resources at the point of care in clinical medicine

Year 4:

1. Development of advanced clinical skills in acute medical conditions/problems, chronic disease management, preventive care, and wellness in preparation for residency training
2. Development of advanced of clinical skills in team based/inter-professional care; peer to peer communication, systems based care, and professionalism (including preparation for residency application and interviewing)
3. Development of advanced skills in osteopathic principles, the osteopathic structural examination, and osteopathic manipulative therapy as they apply to the specialty of choice
4. Advanced skills in research including participation in a research project, research presentation, and research electives
5. Development of skills in preparation for residency including procedural, cognitive skills, and systems-based care boot camps.

The KHSC-KansasCOM curriculum is a four-year program leading to the degree of Doctor of Osteopathic Medicine (DO). Emphasis is placed on collaboration with patients to promote health and wellness, the identification and treatment of illnesses, and treatment of each patient in the context of the wide variety of factors that influence health.

KHSC-KansasCOM 's curriculum is designed to help students integrate the basic and clinical sciences, develop their ability to diagnose illness and increase their understanding of the environment within which medicine is practiced. Instruction in the first two years is presented according to individual patient clinical presentation or a population need presentation. KHSC-KansasCOM uses instruction based on clinical cases supported by access to data science, artificial intelligence, virtual reality technologies and machine learning. Instructors employ an audience response system to assess student's understanding of diagnosis and pathophysiology in clinical presentations. The instructional program contains computer assisted instruction, small-group teaching, state-of-the-art robotic simulators, specialized workshops and simulated clinical experiences utilizing virtual reality.

Evaluation of student performance is based on observed, structured clinical examinations, competency based assessments, observational techniques and standard written tests.

Within the first two years of curriculum, students are immersed in early clinical experiences to become familiar with the many facets of community and population healthcare. These assignments provide a gradual transition from classroom to clinical settings.

At the conclusion of the didactic phase of medical education (years 1 and 2), students continue the clinical phase (years 3 and 4) of their medical education. Year 3 focuses on core rotations, in the following areas: Family Medicine, Internal Medicine/Sub-Specialty Medicine, Surgery/Sub-Specialty Surgery, Pediatrics, Obstetrics and Gynecology, Psychiatry, and Emergency Medicine. The fourth year provides elective rotations selected by the student to enable a full appreciation for the broad scope of clinical training opportunities available after graduation. Core rotations will occur at one of several clinical affiliates that are primarily located in Wichita or other sites around the state of Kansas. Distance-learning technology will support and maintain student engagement with the central campus in Wichita.