

Upstate Medical University College of Medicine Curriculum Goals & Graduation Competencies	Location in Curriculum	Method of Assessment
Provide students opportunities to learn the body of knowledge related to human structure and function at molecular, cellular, organism, and societal levels.		
1. Demonstrate a thorough understanding of basic medical knowledge concerning cellular and organ functions and the mechanisms through which these functions are related, coordinated, and controlled 2. Demonstrate a thorough understanding of basic medical knowledge concerning the molecular, cellular, organ, and system structure of the human body.	<ul style="list-style-type: none"> • Molecular and Cellular Principles • Anatomy • Neuroscience • Physiology • Microscopic Anatomy • Integrated Radiology Curriculum • Medical Literature Curriculum (MLC) I, II • Practice of Medicine (POM) I, II 	<ul style="list-style-type: none"> • MCQ tests in courses • Small group presentations • MLC hypotheses • Lab practicals • Essays • USMLE Step 1
Allow students to understand the nature of physical and psychological diseases and disorders in the human organism, including principles of causation, prevention, and treatment		
3. Demonstrate an understanding and ability to apply important concepts of basic biomedical sciences concerning the molecular, cellular, organ system, and psychosocial aspects of disease 4. Demonstrate an understanding and ability to apply important concepts of basic biomedical sciences concerning the basic pathological mechanisms involved in disease 5. Demonstrate an understanding and ability to apply important concepts of basic biomedical sciences concerning the structure, function, and mode of action of infectious vectors involved in disease processes 6. Demonstrate an understanding and ability to apply important concepts of basic biomedical sciences concerning the mechanisms and modes of action involved in drug therapies	<ul style="list-style-type: none"> • Micro/Immuno • POM I, II • Pathology • Pharmacology • MLC I, II • Behavioral Science 	<ul style="list-style-type: none"> • MCQ tests • MLC hypotheses • NBME subject exams • USMLE Step 1
Emphasize/exemplify the context in which medicine is practiced and health care is delivered, including doctor-patient, doctor-nurse relationship, primary and specialty care, biopsychosocial models, ethics, cultural diversity, and professional behavior		
7. Demonstrate knowledge of specific issues in: <ul style="list-style-type: none"> ○ Primary care delivered in ambulatory settings ○ Medical specialty care delivered in ambulatory settings ○ Wellness and health promotion including: age-related issues, gender-related issues, and disability-related issues; nutrition, activity and exercise; mental health, and life-style issues ○ Race, gender, ethnicity, socioeconomic status affecting access to care and personal health ○ Prevention: injury and disease prevention; risk factor assessment of secondary conditions that may affect primary diagnosis ○ Longitudinal care for disease and disability; congenital and childhood onset, adult onset, progressive disease and disability ○ Psychological development (normal and abnormal) and physiological development (normal and abnormal), as well as sexual maturation ○ Hospital/facility-based experience in acute and chronic care, age-related care, and disability-related care 	<ul style="list-style-type: none"> • POM I, II • Integrated preventive medicine curriculum • Bioethics at the Bedside • Behavioral Medicine • Clinical clerkships 	<ul style="list-style-type: none"> • MCQ tests in courses • NBME subject exams (all clerkships) • Observation of clinical skills by faculty • Standardized patient assessments (POM and all clerkships) • USMLE Steps 1, 2

<p>8. Demonstrate</p> <ul style="list-style-type: none"> ○ Awareness of issues in the economics of health care delivery ○ Ethical behavior in the delivery of health care ○ Awareness of psychosocial issues in the practice of medicine 	<ul style="list-style-type: none"> ● POM ● Bioethics at the Bedside ● Behavioral Science ● Clinical Clerkships 	<ul style="list-style-type: none"> ● MCQ tests in courses ● Short papers ● Case Analysis ● Observation of patient interaction and care
<p>9. Exhibit appropriate teamwork, interpersonal skills, and effective communication with all persons including patients and other members of the health care team</p>	<ul style="list-style-type: none"> ● Practice of Medicine ● Anatomy ● Clinical clerkships 	<ul style="list-style-type: none"> ● Faculty and resident observation ● Peer observation ● Simulation sessions
<p>Provide students with opportunities to learn clinical skills and procedures and to apply their understanding of human biology and pathophysiology within laboratory, research, hospital, clinic, office, and community settings</p>		
<p>10. Satisfactorily conduct comprehensive and focused patient history and physical exams including, but not limited to, comprehensive adult and pediatric history and physical exams, focused male and female genital examinations, rectal, neurological, and mental status examinations.</p>	<ul style="list-style-type: none"> ● Practice of Medicine ● Clinical clerkships 	<ul style="list-style-type: none"> ● Faculty and resident observation ● Standardized patient assessments in clerkships ● 4th year Clinical Skills Exam ● USMLE Step 2 CS
<p>11. Conduct functional assessment of patients including normal adults, pediatric patients (including developmental evaluation), geriatric, and disabled patients and recognize the differences in assessment of pre-natal and pediatric patients.</p>	<ul style="list-style-type: none"> ● Practice of Medicine ● Clinical clerkships 	<ul style="list-style-type: none"> ● Faculty and resident observation ● Standardized patient assessments
<p>12. Satisfactorily perform specific procedures including, but not limited to, Basic Life Support (BLS) techniques, including CPR, start an I.V.; draw arterial and venous blood, insert and remove Foley catheter, provide wound care such as simple debridement, simple suturing and suture removal, dressing changes, and obtain specimens for laboratory determinations, and understand scientifically accepted principles and practices of infection control.</p>	<ul style="list-style-type: none"> ● Practice of Medicine ● Clinical clerkships 	<ul style="list-style-type: none"> ● MCQ tests ● Simulation sessions ● Observation of clinical skills and procedures
<p>13. Provide appropriate guidance to patients, family members, and caregivers on self care and health maintenance practices, and genetic counseling in family practice.</p>	<ul style="list-style-type: none"> ● Practice of Medicine ● Clinical clerkships 	<ul style="list-style-type: none"> ● Faculty and resident observation ● Standardized patient assessments
<p>14. Recognize clinical presentations of life or limb threatening conditions and outline appropriate initial stabilization procedures.</p>	<ul style="list-style-type: none"> ● Clinical clerkships ● Electives ● BLS, ACLS courses 	<ul style="list-style-type: none"> ● Faculty and resident observation ● Station performance (BLS, ACLS)

Instill in students life-long learning skills, with emphasis on the spirit of scientific inquiry, information gathering and utilization, as well as effective communication.		
15. Provide evidence of potential to advance in career including licensure, residency training, board certification, professional leadership, and recognition.	<ul style="list-style-type: none"> • All courses • Licensure examinations • Extracurricular activities 	<ul style="list-style-type: none"> • USMLE Step 1 and 2 scores • Curriculum vitae • Residency program director evaluations
16. Directly observe or actively participate in activities related to the profession of medicine such as political, professional, educational, or charitable associations.	<ul style="list-style-type: none"> • Extracurricular activities 	<ul style="list-style-type: none"> • Curriculum vitae
17. Ability to critically appraise and use biomedical literature, research, and data.	<ul style="list-style-type: none"> • POM I, II • MCP • MLC I, II, III • Preventive Medicine curriculum • Clerkships • Electives 	<ul style="list-style-type: none"> • Lit search assignments • Small group presentations, discussion and interaction • MLC III tasks
18. Demonstrate preparation for participation in biomedical or clinical research and appreciation of its significance.	<ul style="list-style-type: none"> • Basic science courses • Basic science selective • Research track • Summer research • Research electives • MD PhD program 	<ul style="list-style-type: none"> • Completion of basic science courses • Small group presentations • Faculty observation • Abstracts, papers, posters, presentations
19. Demonstrate effective written and oral communication skills.	<ul style="list-style-type: none"> • POM • MCP • Clinical Clerkships • Electives 	<ul style="list-style-type: none"> • Short papers • Patient write-ups • Verbal case presentations • Small group presentations • Standardized patient assessments • Faculty and resident observation

20. Develop self-directed learning skills, including self-assessment, effective selection and use of learning strategies, including applicable library, information management, computer, and communication technologies.	<ul style="list-style-type: none"> • All courses and clerkships 	<ul style="list-style-type: none"> • Successful progress through the curriculum • Short papers • Small group discussion, presentations, interaction • Faculty observation
21. Develop introspection and self-monitoring of one's personal and professional life.		