

**Proposed Indiana University of Pennsylvania College of Osteopathic Medicine
(Proposed IUPCOM – Candidate Status – Seeking Accreditation)**

COCA Pre-Accreditation Element 6.2: Curriculum - Programmatic Level Educational Objectives
Pre-Accreditation Submission 6.2-1: Programmatic Level Educational Objectives

Introduction

The proposed IUPCOM will offer its students a broad approach to its curriculum and learning that incorporates many paradigms of teaching and learning that will resonate with the different learning styles of our matriculants. Traditional large-group classroom, small group, team-based learning, problem-based learning, flipped-classroom, remote teaching/learning, simulation-learning, case-based learning, facilitator-based, and other mechanisms s will be incorporated by different faculty into their teaching styles and learner expectations appropriate for each learning experience. We recognize that many medical learners tend to flourish in team-centric learning environments where de-briefing with faculty, peer, and facilitator feedback provides for professional skill growth experiences in critical thinking, self-reflection, interpersonal communication, and practical application of medical knowledge that are paramount in their educational development. The programmatic level educational objectives will be made available to all students, faculty, staff, community teaching sites, and others who have responsibility for student education and assessment; these will be further shared publicly on our program website.

The IUPCOM curriculum and its framework will be mapped to the seven American Osteopathic Association (AOA) Osteopathic Core Competencies. The measurable curricular goals within each competency domain and Entrustable Professional Activities will guide curriculum development and delivery by faculty with evaluation and assessment of learner knowledge and skill achievement as indicators of learner competence and readiness to practice in a rural environment. Informed, in part, with the assessment of findings of our rural needs surveys, our educational objectives, will be used by our faculty to inform the development of our course content, learning activities, and delivery methodologies a well as shape our learners' clerkship experiences where each learning activity and goal will be designed around measurable learning objectives over a four-year rural and primary care-focused program.

Within each AOA competency domain, measurable curricular goal achievement and completion by our learners will provide indication for competence within each domain. As each learner demonstrates competency for a domain, the domain competencies will incrementally build towards demonstrating readiness for progression. The learning activities and experiences within each portion of the curriculum will be aligned with specific and measurable objectives describing accomplishment expectations to guide student learning and clinical reasoning skill development. Within each competency domain, our learners in progression to proficiency, graduation, and entry into GME will be discernable as:

IUPCOM Programmatic Level Objectives

I. Osteopathic Principles and Practice

Through demonstration of osteopathic philosophical knowledge and skills of accepted standards in osteopathic manipulative treatment (OMT) and through clinical diagnosis of somatic dysfunction and appropriate OMT application, proposed IUPCOM graduates will be able to:

1. Perform an osteopathic history and structural exam as part of a history and physical examination.
2. Diagnose patients presenting with selected conditions using palpatory skills.
3. Integrate an osteopathic manipulative treatment plan into a patient care plan.
4. Treat patients appropriately with osteopathic manipulative medicine.
5. Understand the history and philosophy of osteopathic medicine and incorporate an osteopathic approach to diagnosis and treatment into routine patient care.

II. Medical Knowledge

Through demonstration and application of medical knowledge of accepted standards of clinical medicine through application of osteopathic, biomedical, clinical, epidemiological, biomechanical, social and behavioral sciences in the context of patient-centered care and contemporary developments in medicine through professional engagement in life-long learning, proposed IUPCOM graduates will be able to:

1. Apply foundational biomedical science concepts to patient care in the following medical areas/specialties: Dermatology, Orthopedics and Rheumatology, Hematology/Oncology, Women's Health, Infectious Disease, Cardiology, Pulmonology, Gastroenterology, Geriatrics, Pediatrics, Endocrinology and Metabolism, Nephrology/Urology/Men's Health, Otolaryngology and Surgical Subspecialties, Psychiatry and Behavioral Health, Neurology, Geriatrics, Critical Care, and Emergency Medicine.
2. Integrate the application of clinically relevant foundational basic science principles, as appropriate, in the areas of Pathology/Histology, Anatomy, Biochemistry, Cell Biology, Genetics, Microbiology/Immunology, Pharmacology and Physiology, into patient care.
3. Apply clinical science knowledge related to disciplines pertaining to the patient-centered focus of osteopathic medical practice, from the following medical areas/specialties: Dermatology, Orthopedics and Rheumatology, Hematology/Oncology, Women's Health, Infectious Disease, Cardiology, Pulmonology, Gastroenterology, Geriatrics, Pediatrics, Endocrinology and Metabolism, Nephrology/Urology/Men's Health, Otolaryngology/ Surgical Subspecialties, Psychiatry and Behavioral Health, Neurology, Geriatrics, Critical Care, and Emergency Medicine.
4. Utilize epidemiological science to prevent disease and improve community health outcomes.

5. Incorporate new developments in foundational biomedical and clinical science knowledge relevant to the practice of osteopathic medical care.
6. Integrate foundational biomedical science principles with the psychosocial factors that relate to patient conditions.
7. Utilize ethical and legal practices when conducting research.

III. Patient Care

Through demonstration of the effective application of motor, cognitive, and social skills and knowledge in the diagnosis, collegial interprofessional management, and prevention of clinical presentations in health care within rural and other clinical settings and environments, proposed IUPCOM graduates will be able to:

1. Obtain a patient history.
2. Develop a differential diagnosis for a patient.
3. Perform a physical examination which includes an osteopathic structural examination.
4. Perform, with appropriate supervision, basic essential clinical procedures, including OMT.
5. Recognize the distinctions of various populations as they apply to patient presentations and available prevention, treatment and management options.
6. Create a patient-centered management plan that includes other interprofessional health care team members and related services as appropriate.
7. Recommend appropriate diagnostic laboratory and imaging studies.
8. Integrate health promotion and disease prevention strategies into patient care activities.
9. Collaborate with patients to improve patient care through effective patient care management.
10. Document a clinical encounter.
11. Care for patients using electronic health record systems.

IV. Interpersonal and Communication Skills

Through demonstration of interpersonal and communication skills – in addition to professional behaviors and attitudes – that enable the establishment and maintenance of effective relationships with patients, families, communities, and healthcare team members that facilitates information delivery and reception, and empathetic interactions and rapport development, proposed IUPCOM graduates will be able to:

1. Utilize both physician- and patient-centered medical interviewing skills, as appropriate.
2. Establish rapport with patients using communication skills.
3. Communicate patient care and treatment plans effectively to patients and other interprofessional and multidisciplinary healthcare providers.
4. Develop communication skills which are applicable for conflict management, negotiation, and leadership.

5. Participate and communicate in interprofessional health care teams.

V. Professionalism

Through demonstration of a commitment to the highest standards, represented within the Osteopathic Oath and AOA Code of Ethics, of patient advocacy and societal accountability, personal competence and conduct, adherence to ethical principles, integrity of character, and conduct in support of patient welfare with a dedication to life-long learning, regular professional development, interprofessional collaboration, sensitivity in recognition of the disparate needs of diverse patient populations, and mental/behavioral health considerations that are paramount toward effective patient care, proposed IUPCOM graduates will be able to:

1. Demonstrate the behaviors of respect, compassion, probity, honesty, and trustworthiness.
2. Demonstrate respect and compassion for patient autonomy, dignity, and privacy.
3. Incorporate ethical and professional behavior into patient care.
4. Demonstrate sensitivity, respect, and responsiveness to a diverse and heterogeneous population including, but not limited to, diversity in culture, religion, age, gender, sexual orientation, and mental and physical disabilities.
5. Care for patients with respect, altruism, compassion, integrity, honesty, empathy, and trustworthiness.
6. Utilize self-care, including principles of physical and psychosocial wellness.
7. Demonstrate life-long learning skills.
8. Embrace both positive and needs-improvement feedback.
9. Demonstrate accountability in and duty to the physician-patient relationship.
10. Demonstrate accountability to patients, society, and the osteopathic medical
11. profession, including the duty to act in response to the knowledge of concerning professional behavior of other team members.

VI. Practice-Based Learning and Improvement

Through demonstration of the ability to critically research, evaluate, integrate, and apply evidence-based methods of clinical practice in patient care and health. Application of critical thinking skills with a basis in scientific theory and methodology is fundamental toward integrating evidence-based principles and practice into patient care, proposed IUPCOM graduates will be able to:

1. Apply the scientific method to evaluate foundational biomedical literature for application to patient care.
2. Evaluate and apply the relevance and validity of clinical research to patient care.
3. Improve population health, especially the health of rural and/or underserved medical populations.
4. Translate scientific discoveries into clinical applications.

VII. Systems-Based Practice

Through demonstration of a professional awareness and understanding of healthcare delivery systems and their respective contributions to an efficacious, cost-effective, and qualitative patient care within the system and the ability to identify resources and respond within these systems in essential advocacy for the health of individuals, families, and communities, proposed IUPCOM graduates will be able to:

1. Compare the impact that various health care delivery systems and services have on patient populations, including rural and medically underserved populations.
2. Collaborate effectively in multi-disciplinary health care teams, identifying best practices to deliver appropriate patient care.
3. Engage in an interprofessional healthcare team for optimal patient- and population-centered care.
4. Incorporate considerations of cost awareness and risk-benefit analysis into patient care.
5. Identify social determinants of health and how health care systems and practices address these determinants.
6. Advocate for all patients within the healthcare system.
7. Improve patient safety and strive to prevent medical errors.
8. Lead healthcare teams.
9. Work within healthcare systems to effectively care for patients within system requirements.
10. Be eligible for additional training and licensure exams that will qualify for eligibility for licensure in any jurisdiction within the United States of America.
11. Successfully pass the National Board of Osteopathic Medical Examiners, Inc. (NBOME) Comprehensive Osteopathic Medical Licensure Examination of the USA (COMLEX-USA), Levels 1 and 2-CE in no more than two attempts each.
12. Become eligible to achieve graduation from IUPCOM and achieve placement in an American Council of Graduate Medical Education (ACGME)-approved residency program, allowing the graduate to take medical licensure examinations required for attainment of a license to practice medicine as an osteopathic physician.