

PARADIGM-SHIFTING CURRICULUM

The Carle Illinois College of Medicine’s paradigm-shifting curriculum breaks the mold. Unlike any other medical curriculum, ours will empower physician-innovators to think differently and to take even better care of patients.

Four Pillar Approach to Curriculum

We will be the first in the world to seamlessly integrate engineering principles in teaching medicine. Unlike traditional medical training which combines basic and clinical sciences, our four-pillar approach means **basic sciences, clinical sciences, engineering and innovation, and medical humanities** are infused to all four years of learning. We are able to do this by leveraging the vast expertise across the entire enterprise – University of Illinois at Urbana-Champaign and Carle Health System.

TRADITIONAL CURRICULUM FRAMEWORK

Flexner Report, 1910



OUR NEW CURRICULUM FRAMEWORK



CURRICULUM VALUES

- Patient-centered
- Systems-based delivery
- Nexus of Engineering, Biology, Medicine, Humanities
- Innovation and research focus
- Early clinical exposure

CURRICULUM GOALS

- Develop Physician-Innovators**
- Creative problem-solvers who challenge the status quo
- Technology drivers and implementers
- Comfortable in non-traditional teams to create non-traditional solutions to challenges in healthcare

- Develop Physician-Leaders**
- Clinicians with an even higher degree of professionalism and passion
- Lifelong learners
- Skilled in the discipline of leadership

Highly Selective Student Recruitment

We will be the first medical college in the world to require high levels of quantitative and computational skills before students enroll. This includes a high-level of proficiency in differential equations, linear algebra, statistics and computational skills. Students will also be selected based on our four key qualities of compassion, competence, curiosity and creativity.

Student Creativity Amplified

We will harness our students’ peak creativity by requiring them to generate a new idea to improve health care delivery during each of their clinical rotations. One of these ideas will be selected for their capstone projects, which will potentially translate to new approaches, technologies and treatments. Our paradigm-shifting curriculum engages students in new ways to allow maximum creativity in solving our most pressing health care challenges.