

GATEWAY CURRICULUM

PHASE 1

2020 - 2021

9/8/20 (Tuesday): Orientation

9/14/20 (Monday): **Module 1 – Molecules to Society** (7 weeks)

11/2/20 (Monday): **Module 2 – Defense & Response to Injury** (7 weeks)

11/25/20 (Wednesday), 5:00 pm: Thanksgiving Break

Through 11/29/20 (Sunday)

12/18/20 (Friday), 5:00 pm: Winter Break

Through 1/3/21 (Sunday)

1/4/21 (Monday): **Module 3 – Circulation & Breathing** (8 weeks)

1/18/21 (Monday): Martin Luther King Day Holiday

3/1/21 (Monday): **Immersion 1** (3 weeks)

3/19/21 (Friday), 5:00 pm: Spring Break

Through 3/28/21 (Sunday)

3/29/21 (Monday): **Module 4 – Ins & Outs** (7 weeks)

5/17/21 (Monday): **EXPLORE** (4 weeks)

5/31/21 (Monday): Memorial Day Holiday

6/11/21 (Friday), 5:00 pm: Summer Break

Through 6/27/21 (Sunday)

6/28/21 (Monday): **Module 5 – Metabolism & Reproduction** (6 weeks)

7/5/21 (Monday): Independence Day Holiday (observed)

8/9/21 (Monday): **Immersion 2** (3 weeks)

8/30/21 (Monday): **Module 6 – Scaffolding & Movement** (4 weeks)

9/6/21 (Monday): Labor Day Holiday

9/30/21 (Monday): **Module 7 – Brain & Behavior** (7 weeks)

11/15/21 (Monday): **Immersion 3** (3 weeks)

11/24/21 (Wednesday), 5:00 pm: Thanksgiving Break

Through 11/26/21 (Friday)

12/6/21 (Monday): **Phase 1 Capstone** (2 weeks)

12/17/21 (Friday), 5:00 pm: Winter Break

Through 1/2/22 (Sunday)

1/3/22 (Monday): **Begin Phase 2**

FOUNDATIONAL INTEGRATED MODULES*

Molecules to Society

An introduction to the individual experience to health and disease, highlighting the perspective from molecules to society (molecules > genes > cells > organs> organ systems> body > individual > society); blueprint/architecture of the human body, the different systems and their normal functions; introduction to the means by which the different parts of the body operate in harmony to maintain homeostatic conditions; overview of all curricular threads and the way in which they are integrated throughout all modules.

Defense & Response to Injury

Introduction to the pathologic mechanisms of disease, with a focus on infectious, autoimmune, and neoplastic mechanisms; specific topics included: host defense and innate and acquired immunity, hemostasis, response to injury, microorganisms and responses to infection, regulation of cell growth and differentiation, neoplasm.

Circulation & Breathing

The functions of circulation (perfusion, vascular compliance, cardiac conduction and contraction) and respiration (air movement and gas exchange, including the role of erythrocytes).

Ins & Outs

The functions of nutrition, digestion, waste removal, and ionic balance.

Metabolism and Reproduction

The functions of energy homeostasis and reproduction.

Scaffolding & Movement

The peripheral nervous system innervation of skeletal muscles, allowing movement of the body; other structural components of the body, including tendons, bones, joints, and ligaments will be featured.

Brain & Behavior

The functions of the central nervous system, including modulation of movement, somatosensation, consciousness, attention, sleep, speech/language, special senses, learning/memory, emotion, motivation, and reward.

*In this context, “foundational sciences” is specifically and purposefully intended to imply the traditional basic sciences (e.g., anatomy, biochemistry, physiology, etc.) AND, including but not limited to, clinical skills, and Physicians, Patients, Systems, & Society content (inclusive of professional identity formation, community engagement, social, behavioral and health systems sciences).

CLINICAL IMMERSIONS

- Students will rotate through 3 clinical environments:
 - Inpatient
 - Outpatient, including urgent/emergent care
 - Perioperative/Periprocedural/Procedural (including Labor & Delivery)
- These experiences will be meaningful, authentic, and consistent with the students’ level of experience. They are not intended to be clerkship experiences.
- Particular attention will be given to the clinical skills, the social and health systems sciences, and professional identity formation during the immersions.