

### **Joint MD-MSc Degree Program**

Students admitted to the University of Louisville School of Medicine can pursue a joint MD-MSc degree program with only one additional year of study beyond the traditional four-year medical school curriculum. Medical students pursuing the joint MD-MSc degree begin the MSc course work after completing one year of clinical training (i.e., the third year of medical school). Joint degree students spend the fall and spring semesters of their fourth year and the summer and fall semesters of their fifth year completing the MSc course work. They complete their professional paper/thesis for the MSc degree and their clinical rotations for the MD degree in the spring semester of their fifth year. Graduates of the program can expect to be highly competitive for residency and fellowship positions at prestigious institutions.

### **Curriculum**

#### **M4 Year, Fall/Summer Semester Graduate School**

**Choice of 3, all 4 weeks, 5 credits each**

- In-Patient Medicine (IPM)
- AHEC
- Neurology
- In-Patient Surgery (IPS)
- Ambulatory Care (AR)
- Ambulatory Primary Care (APC)

**AND REQUIRED**

- Anesthesiology, 2 weeks, 2 credits

#### **M4 Year Fall/Fall Semester Graduate School**

PHCI 611 - Introduction to Clinical Epidemiology (2)

PHCI 621 – Fundamentals of Biostatistics (2)

PHCI 631 – Social and Behavioral Science in Health Care (2)

PHCI 610 – New Drug and Device Development (2)

#### **M4 Year, Spring/Spring Semester Graduate School**

Clinical Electives (2-10 credits). Need to take a minimum of 2 credits.

PHCI 622 - Design and Analysis of Case Control Studies (2)

PHCI 623 – Design and Analysis of Cohort Studies (2)

PHCI 624 – Clinical Trials I (2)

PHCI 632 – Ethical Conduct of Health Care Research (2)

#### **M5 Year, Fall/Summer Semester Graduate School**

PHCI 601 – Evaluating Health Care Literature (1)

PHCI 501 – From Bench to Bedside: Introduction to Clinical Research (1)

### **M5 Year, Fall/Fall Semester Graduate School**

PHCI 625 – Clinical Trials II (2)

PHCI 650 – Medical Decision Analysis (2)

PHCI 602 – Health Services and Outcomes Research (2)

PHCI 699 – Mentored Research (6 credits)\*\*

*\*\*The student has the choice of when to take these hours based on what financial assistance they want to receive. Options 1) take all in the fall 2) take all in the spring or 3) split the hours up between semesters. If all hours are taken in the fall the student must register for 1 hour of masters candidacy in the spring.*

### **M5 Year, Spring/Spring Semester Graduate School**

**Choice of 3 and remaining electives, all 4 weeks, 5 credits each**

- In-Patient Medicine (IPM)
- AHEC
- Neurology
- In-Patient Surgery (IPS)
- Ambulatory Care (AR)
- Ambulatory Primary Care (APC)

**USMLE Step 2 exam must be scheduled no later than block 8 of the M5 year.**