

## Component II - Second Year

Component II includes seven required Clinically Integrated Blocks (CIB) and a period of preparation of the USMLE Step 1. The M2 year begins with the Renal System followed by six additional system blocks. The last block is followed by a dedicated period of preparation for the Step 1 of the United States Medical Licensing Exam® (USMLE®), which includes a Guided Step 1 Review, time for self-directed study, and taking the USMLE® Step 1 exam. The year ends with a combination of orientation and clinical skills training in preparation for the M3 clinical rotations.

### Horizontally Integrated Disciplines (HID)

The learning objectives of the Horizontal Integrated Disciplines, such as anatomy, physiology, or pathology, are integrated into the Clinically Integrated Blocks across the curriculum. Horizontal Integrated Disciplines do not appear on a student's transcript; however, a student's performance in each discipline is reported to the student at the end of each semester to identify areas of weakness and guide further study. Horizontal disciplines require a minimum performance level; failure to meet this level triggers a remediation plan.

### Interprofessional Education (IPE)

Entering M2 students should have completed IPE 500. During the M2 year, students continue to participate in interprofessional education activities to fulfill the IPE passport requirement. Additional opportunities to interact and learn with other health professionals are interspersed throughout the Medical Education Program.

Component II includes active and experiential learning opportunities and small group case-based and team-based learning sessions. The Clinical Skills Training Curriculum continues from Component I with Ambulatory Clinic Experience, Early Hospital Experience, Interviewing, Clinical Skills Simulation, and Interprofessional Education activities.

COMPONENT II REQUIRED BLOCKS					
CIB DESIGNATOR	BLOCK TITLE	BLOCK DIRECTOR(s) OMA	BLOCK DIRECTOR(s) PRC	WEEKS OF INSTRUCTION	CREDIT HOURS
CIB 204	Renal System	Sunil Jagadesh, MD	Maher Mousa, MD Katherine Dahl, MD	4	4
CIB 202	Gastrointestinal System		Indu Srinivasan, MD	5	5
CIB 206	Endocrine System	Avin Pothuloori, MD	Kathryn Coan, MD	3	3
CIB 208	Reproductive System	Jodi Hedrick, DO	Carrie Aguilar, MD	4	4
CIB 210	Life Cycle	Terry Zach, MD	Wendi Carlton, MD	3	3
CIB 218	Brain and Behavior	Venkata Kolli, MBBS	Devna Rastogi, MD	3	3
CIB 212	Multisystem Disease/ Clinical Decision Making	Theresa Townley, MD	Tina Younger, MD Moustafa Hazin, DO	5	5
CIB 214	Step I Guided Review and Study	Terry Zach, MD	Mark Fischione, MD	8	8
TOTAL CREDIT HOURS					36.0

## REQUIRED BLOCKS

### **CIB 204 Renal-Urinary System**

This four-week block teaches the anatomy and physiology of the kidney and urinary systems and the physiology of body fluid and electrolyte homeostasis. It builds upon this core knowledge by discussing renal pathophysiology, the tools used for clinical diagnosis of renal disease, the structural and functional manifestations of prevalent causes of renal disease, and the therapeutic strategies and pharmaceutical agents used to treat renal diseases. Topics include fluid and electrolyte disorders, glomerular and non-glomerular kidney disorders, acid-base disorders, chronic renal failure, renal and urinary tract neoplasms, urinary tract infections, voiding disorders, and renal stone disease.

### **CIB 202 Gastrointestinal System**

This five-week block teaches the normal anatomy, histology, embryology, biochemistry, and physiology of the gastrointestinal system, integrated with pathophysiology of gastrointestinal system abnormalities and appropriate therapy for these conditions.

### **CIB 206 Endocrine System**

This three-week block provides learning experiences on the anatomy, histology, physiology, pathology, pharmacology, and basic clinical medicine of the endocrine system integrated with a consideration of abnormalities and appropriate therapy for these conditions. Areas of focus include the hypothalamic/pituitary axis, the adrenal gland, calcium homeostasis, thyroid gland, the endocrine pancreas, and homeostatic control of metabolism.

### **CIB 208 Reproductive System**

This four-week block provides learning experiences on the anatomy, histology, physiology, pathology, pharmacology, and basic clinical medicine of the male and female reproductive systems integrated with a consideration of reproductive abnormalities and appropriate therapy for these conditions. Areas of focus include normal pregnancy and delivery and diseases of reproductive organs, including sexually transmitted infections.

### **CIB 210 Life Cycle**

This three-week block provides students with an understanding of the course of human development, including the stages of growth and change in many domains of human functioning; normal human behavior in health, in illness including genetic disorders, and in situations of challenges and difficulty, including end-of-life and Palliative Care.

### **CIB 218 Brain and Behavior**

The three-week Brain and Behavior block enables students to understand the biological, psychological, and social origins of psychiatric syndromes, their definitions and symptom features, and diagnostic criteria, as delineated in the *Diagnostic and Statistical Manual of Mental Disorders, 5<sup>th</sup> edition*, of the American Psychiatric Association (DSM-5). Students will gain an understanding of the role of genetics, growth and development, environmental and psychosocial risk factors, dynamic experiential factors, and individual personality as parts of the complex process that can result in psychiatric disorder in some individuals. Students will gain a foundation of knowledge for assessing patients for psychiatric illness, interacting with them comfortably, diagnosing psychiatric illness, and making recommendations for pharmacological treatments and psychological therapies.

### **CIB 212 Multisystem Disease/Clinical Decision Making**

This five-week block focuses on normal and abnormal processes that affect multiple body organs. These include diseases related to nutritional deficiencies, exposures to toxins and environmental extremes, infectious diseases, neoplasms, trauma, and adverse effects of drugs on multisystem disorders. In the clinical decision-making sessions, students will learn how to use clinical reasoning to diagnose and manage common clinical disorders.

### **CIB 214 Step 1 Guided Review and Study**

This eight week block starts with the Comprehensive Basic Science Exam (Basic Science Shelf) and begins a period of Guided Review based on the feedback from the shelf exam results. The review includes short recorded lectures, practice board question sessions, and weekly quizzes. There is also time for self-directed learning to integrate medical knowledge acquired over the first and second year of the medical curriculum in preparation for the USMLE Step 1 examination. The course culminates with students taking the USMLE Step 1 exam.

### **GOLD SELECTIVES**

**GOLD Selectives** are available to Component I and II students in four categories: (1) Student Interest Selectives (SIS) in the Humanities and Special Topics, (2) Guided Research Selectives (GRS), (3) Career Exploration Selectives (CES), and (4) Mission Outreach Selectives (MOS). Each GOLD Selective ranges from 0.5 to 1.0 credit hour. Preclerkship students are required to complete 1.5 credit hours of GOLD Selectives before advancement to Component III. Students must complete one SIS selective. Students receive information on the availability of Selectives offered in each semester of the pre-clerkship years during Orientation. Students can review the current GOLD Selective offerings on the EPC Syllabus Archive Blueline Site: <https://blueline.instructure.com/courses/1168315>