

Component II - Second Year

Component II includes six 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 five additional system blocks. The last block is followed by a dedicated period of preparation for the Step 1 of the USMLE, which includes a Guided Step 1 Review. 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				
COURSE NUMBER	TITLE	BLOCK DIRECTOR(s)	WEEKS OF INSTRUCTION	CREDIT HOURS
CIB 204	Renal System	Dr. Sunil Jagadesh	4	4
CIB 202	Gastrointestinal System	Dr. Rajani Rangray	4	4
CIB 206	Endocrine System	Dr. Peter Abel & TBD	3	3
CIB 208	Reproductive System	TBD	4	4
CIB 210	Life Cycle	Dr. Terry Zach	4	4
CIB 212	Multisystem Disease/ Clinical Decision Making	Dr. Theresa Townley	6	6
CIB 214	Guided Review/Comprehensive Basic Science Exam	Dr. Terry Zach	3	3
CIB 221	USMLE Step 1 Study		4	4
CIB 220	Introduction to Clinical Care		1	1
TOTAL CREDIT HOURS				33

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, voiding disorders, and renal stone disease.

CIB 202 Gastrointestinal System

This four-week block teaches the normal anatomy, histology, embryology, 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.

CIB 210 Life Cycle

This four-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 212 Multisystem Disease/Clinical Decision Making

This six-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 Guided Review/Comprehensive Basic Science Exam

The class 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.

CIB 221 USMLE Step 1 Study

This course consists of 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.

CIB 220 Introduction to Clinical Care

This course prepares students who have taken the USMLE Step 1 for clinical clerkships. Students learn about required clinical experiences for clerkships and appropriate documentation, including electronic medical records. Topics include appropriate patient-physician relationships (boundaries, confidentiality, HIPAA, privacy), reporting and monitoring for errors, health care organization, workplace design, patient safety principles, and communicating with patients after adverse events.

Horizontal Remediation is an opportunity for students who failed to meet a required performance level in one or more of the horizontal integrated disciplines to remedy the deficiency. Students work with the discipline steward(s) and academic success consultants to develop an independent study plan that may include review of content, completion of multiple-choice questions, required tutoring, and/or additional inquiry in the discipline. Other students begin dedicated study for the USMLE Step 1 or complete research projects.

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. Class of 2024 must complete 1.0 credit hours of GOLD Selectives before advancement to Component III. Students must complete one SIS selective. Students will receive more 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>