

**INTERNAL MEDICINE IM**

**Department of Osteopathic Medical Specialties  
College of Osteopathic Medicine**

**401 Clinical Emergency Medicine Research I**  
Fall, Spring. 4(2-4) RB: Pre-professional health science. R: Open to seniors. Approval of department.

Participation in multiple research projects at an off-campus hospital. Experience in data collection and analysis. Emphasis on writing reports covering topics in emergency medicine.

**590 Special Problems in Internal Medicine**  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 48 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine. Approval of department.

Students work under faculty direction on an experimental, theoretical, or applied problem.

**602 Primary Care Ambulatory Clerkship**  
Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. Interdepartmental with Family and Community Medicine and Osteopathic Surgical Specialties and Osteopathic Medicine and Pediatrics and Psychiatry. Administered by Osteopathic Medicine.

A 24-week ambulatory care continuity experience involving 12 weeks in a multidisciplinary environment (family medicine, pediatrics, and internal medicine), 4 weeks in family medicine and 8 weeks in specialty areas (internal medicine, surgery, pediatrics, and obstetrics and gynecology). Didactic sessions are scheduled concurrently.

**603 Core Clinical Concepts**  
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. Interdepartmental with Family and Community Medicine and Neurology and Ophthalmology and Osteopathic Surgical Specialties and Osteopathic Medicine and Pediatrics and Psychiatry. Administered by Osteopathic Medicine. R: Open to graduate-professional students in the College of Osteopathic Medicine.

A 36 week didactic continuity experience.

**618 Clinical Tropical Medicine**  
Fall. 2(2-0) SA: CMS 618  
Selected topics such as African AIDS, malaria, onchocerciasis, tuberculosis, and schistosomiasis. Pathophysiology, treatments, epidemiology, current research, and controversies.

**621 Clinical Tropical Medicine Clerkship**  
Spring. 1 to 20 credits. A student may earn a maximum of 20 credits in all enrollments for this course. RB: IM 618 R: Open to graduate-professional students in the College of Osteopathic Medicine. SA: CMS 621

Supervised clinical experiences in a large African teaching hospital and its outpatient clinics; students must spend at least six weeks on site. Small group discussions led by MSU faculty.

**650 Core Internal Medicine In-Patient Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic internal medicine in the hospital setting. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**651 Cardiology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. RB: Successful completion of College of Osteopathic Medicine, Doctor of Osteopathic Medicine pre-clerkship curriculum. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Intensive experience in bedside diagnosis and care of patients with the more frequently seen cardiac problems.

**652 Gastroenterology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students or osteopathic medicine students in the College of Osteopathic Medicine.

Inpatient and outpatient clinical gastroenterology. GI diseases. Patient evaluation and management. Behavioral science and patient care.

**653 Oncology and Hematology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Diagnosis, staging, and treatment methods of solid tumors and other neoplasms. Pharmacology of cytotoxic agents. Issues in nutrition. Behavioral approaches to the terminally ill patient.

**654 Pulmonary Disease Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Evaluation and treatment of patients with common pulmonary diseases including acute and chronic respiratory failure, primary and metastatic lung tumors, various bacterial and non-bacterial pneumonias.

**655 Nephrology Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinic and hospital based experience to develop basic skills in evaluation and management of patients with renal disease. Integration of renal physiology and pathophysiology.

**657 Core Emergency Medicine Clerkship**  
Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Acute evaluation and management of patients in the hospital emergency department and other locations.

**658 Core Internal Medicine Out-Patient Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic internal medicine in the out-patient setting. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**659 Medical Critical Care Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic medical critical care (distinct from surgical critical care). Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**660 Core Internal Medical Sub-Internship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. P: IM 650 R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic internal medicine. Proficiency in advanced motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**661 Internal Medical Specialty Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Clinical exposure in osteopathic internal medicine subspecialty rotations. Proficiency in motor skills and aptitudes; comprehension of concepts and principles; patient evaluation; diagnosis; management; therapy.

**662 Urgent Care Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Acute evaluation and management of patients in the outpatient urgent care setting.

**663 Emergency Medicine/Wilderness/Austere Medicine Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Acute evaluation and management of patients in the austere environment – wilderness or other location, including disaster medicine, and emergency medicine system.

**664 Pediatric Emergency Medicine Clerkship**  
Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Acute evaluation and management of patients in the hospital based pediatric emergency department.

## IM—Internal Medicine

**665 Emergency Medicine Advanced Clerkship**

Fall, Spring, Summer. 1 to 20 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Advanced acute evaluation and management of patients in the hospital emergency department and other locations.

**666 Emergency Medicine Toxicology**

Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Evaluation and management of patients who suffer from an exposure to any form of toxins, the typical clinical presentation, evaluation and management including antidotes.

**667 Emergency Medicine Hyperbaric Medicine and Wound Management**

Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Management of wounds from all causes, including the use of a hyperbaric chamber as a treatment strategy.

**668 Emergency Medicine EMS and Disaster Management**

Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Emergency Medical Services and Disaster Management designed to expose the student to multiple facets of emergency care in the community and outside the emergency department, including community disaster preparedness.

**669 Emergency Medicine Ultrasound**

Fall, Spring, Summer. 3 to 18 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open to graduate-professional students in the College of Osteopathic Medicine.

Bedside ultrasound, integrating curriculum related to the physics and orientation of ultrasound images to obtaining images at the bedside to begin a portfolio.