**MEDICINE (MD)**

**Doctor of Medicine (MD)**

At the University of Colorado School of Medicine, we educate physicians who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

**Vision**

Our graduates will be physician leaders capable of transforming the health of diverse communities.

**Mission**

Through a longitudinally integrated curriculum, we aim to educate physician leaders who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

**Values**


**Leadership**

**Dean**

John J. Reilly, Jr., MD, Vice Chancellor for Health Affairs at CU Denver and Dean for School of Medicine

**Associate & Assistant Deans**

- Jennifer Adams, MD, Assistant Dean, Clinical Core Curriculum
- Andy Bradford, MD, Assistant Dean, Essentials Core Curriculum
- Brenda Bucklin, MD, Associate Dean for Continuing Medical Education
- Peter Buttrick, MD, Senior Associate Dean for Academic Affairs
- Karen Chacko, MD, Associate Dean, Clinical Outreach
- Amira del-Pino-Jones, Assistant Dean for Student Affairs
- Jeff Druck, MD, Assistant Dean for Student Affairs
- Brian Dwinnell, MD, Associate Dean of Student Life
- Christina Finlayson, Associate Dean, Clinical Affairs/CU Medicine
- Thomas Flaig, MD, Clinical Research Officer, Associate Dean for Clinical Research
- Anne Fuhlbrigge, MD, Senior Associate Dean for Clinical Affairs
- Jeff J. Glasheen, MD, Associate Dean, Quality and Safety Education
- Steven Lowenstein, MD, MPH, Associate Dean for Faculty Affairs
- Carol Rumack, MD, Associate Dean for Graduate Medical Education
- Brian T. Smith, Senior Associate Dean for Administration & Finance; Executive Director and Chief Executive Officer of University of Colorado Medicine
- Jeffrey SooHoo, MD, Assistant Dean of Admissions
- Adel Yunoszai, MD, Associate Dean, Clinical Affairs - CU Medicine
- Medical Director for Children's Health
- Shanta Zimmer, MD, Senior Associate Dean for Education, Associate Dean for Office of Diversity & Inclusion, Faculty Lead LCME Accreditation

**Contacts**

School of Medicine Dean's Office
Fitzsimons Building
13001 E. 17th Place
Campus Box C290
Aurora, CO
Phone: 303-724-5375

Website: https://medschool.cuanschutz.edu/deans-office/about-us/contact-us

School of Medicine Office of Admissions
Building 500, First Floor
13001 E. 17th Place, Mailstop C292
Aurora, CO 80045
Phone: 303-724-6407
Fax: 303-724-8028
Email: somadmin@ucdenver.edu

**Admissions**

**AMCAS - Applying to Medical School**

CU School of Medicine requires all prospective students to apply through the American Medical College Application Service (AMCAS) based in Washington, DC.

The AMCAS on-line application usually opens in early June. Normally there is a three to four week delay before the school receives the application from AMCAS due to transcript verification. Students are encouraged to apply EARLY.

**Degree and Coursework**

The CUSOM requires that students have a baccalaureate degree from an accredited college or university prior to matriculation.

The CUSOM recognizes that the experiences and undergraduate academic experience of our applicants varies greatly. We encourage applicants to explore a diverse, interdisciplinary and balanced undergraduate education, encompassing the necessary foundational knowledge in the biomedical sciences and humanities. Students need to be adequately prepared in the scientific underpinnings of modern medicine and also understand the psychosocial elements that are critical to its practice.


These competencies, representing the cumulative knowledge, skills and commitment to scholarship needed to undertake training as a future physician, can be met through traditional and/or interdisciplinary courses of study in an accredited institution of higher learning, or by other educational, employment, service or life experiences.

Competitive applicants should demonstrate in-depth competency in each of the following areas of study, as reflected by their academic achievements and letters of recommendation.

**Biology:** Applicants should demonstrate an understanding of molecular and cellular biology, genetics, and the principles underlying the structure and function of organ systems and the regulation of human physiology.

**Chemistry/Biochemistry:** Applicants should demonstrate competence in the basic principles of chemistry as it pertains to living systems, and
knowledge of how biomolecules contribute to the structure and function of cells and organs.

**Mathematics/Statistics and Physics:** Applicants should demonstrate competence in the basic principles of physics and mathematics underlying living systems and must be able to apply quantitative reasoning, statistical principles, and appropriate mathematics to describe or explain phenomena in the natural world. A basic understanding of statistics or biostatistics is required to comprehend the quantitative aspects of medicine and biomedical research.

**Social Sciences and Communication:** It is important that applicants demonstrate competence in the humanistic understanding of patients as individuals and members of a families, communities, and society. Applicants should be aware of factors that influence individual, community, and societal decisions regarding health and health care delivery. Applicants are expected to speak, write, and read English fluently.

Students are encouraged to consider additional coursework in biochemistry, computer sciences, genetics, humanities, and social sciences. AP and CLEP courses, as well as on-line courses, are viewed with a degree of comparability to college courses, as long as the US accredited degree granting institution includes these credits on their transcript as fulfilling certain institutional requirements. Students who have AP or CLEP credit in the basic sciences are encouraged to take upper level courses in these areas. Courses taken abroad are treated comparably to traditional courses, as long as these credits are included on the transcript of a U.S. accredited degree-granting institution.

**College Major – Is there a Preferred Major?**
All majors are valued. Students are expected to engage in a rigorous academic program that enables them to understand the basic principles of science central to medicine. Independent of the choice of major, applicants are expected to have acquired effective learning habits, refined their critical thinking skills, and engaged in the habit of life long learning.

**MCAT**
Students must take the Medical College Admissions Test (MCAT), with the oldest exam accepted no more than three years prior to matriculation year. For example, applicants applying for July 2022 matriculation must have MCAT results from January 2019 - October 2021. If the applicant takes the MCAT multiple times, the Admissions Committee will use the best one time composite score.

**Letters of Recommendation**
Applicants are required to obtain letters to support their candidacy for admission. We require three to five letters, or a committee summary letter; letters can come from a faculty member, clinical experience, research experience, or a current job as the letter transmits cogent information about the applicant’s work. Obtaining a letter from the employer who you are working with during the application year is highly recommended.

Evidence of a successful engagement in a post-college experience is considered a valuable addition to other letters that also may be part of your file.

Some colleges offer a pre-medical advising system and the committee writes letters for their students. A committee letter is sufficient to meet the medical school letter of recommendation requirements.

All letters must be transmitted electronically through AMCAS’ application process. Please visit the AMCAS website for further information on how to apply and submit letters of recommendation, Letters of Rec FAQ (https://students-residents.aamc.org/applying-medical-school/faq/amcas-faq/)

We strongly recommend that letters not be from family friends or others who know the student only peripherally.

**Secondary Application**
Upon receipt and verification of the AMCAS application, the Office of Admissions will email eligible applicants the link to our Secondary Application that is to be completed online and submitted by November 30th, 2021.

The secondary application consists of:

- Secondary application processing fee – fee is non-refundable (fee is waived for FAP eligible applicants)
- Required CUSOM essay
- Optional essays of interest in branches or programs
- CASPer test results

Completed secondary applications are forwarded to the admissions committee who perform a holistic review of applications and invite select applicants for an interview. Interview invitations are distributed from roughly August through February.

**The CASPer Test**
As apart of the supplemental (secondary) application, all applicants to the CUSOM are required to complete an online assessment Computer-Based Assessment for Sampling Personal Characteristics (CASPer), to assist with our selection process.

Successful completion of CASPer is mandatory in order to have a completed application that can be reviewed by the admissions committee. CASPer results need to be sent to us by the noted distribution date located on the CASPer website (https://takecasper.com/dates-times/).

**Application Fee Payments & Waivers**
Students invited to complete the secondary application must submit an application processing fee of $100 with the secondary application. An application fee waiver will be granted to applicants who received approval from the AAMC Fee Assistance Program (FAP). The secondary application fee is non-refundable.

**Technical Standards for Admission**
Applicants for admission to the School of Medicine and continuing students must possess the capability to complete the entire medical curriculum and achieve the degree. In addition to successfully completing all courses in the curriculum, students must be able to acquire the knowledge and skills necessary to function in a broad variety of clinical situations and to render a wide spectrum of patient care.

Visiting Students

Requirements
1. A completed application must be on file no less than eight weeks prior to the course’s beginning date.
2. Immunization form must be completed, signed by your school and returned with your application. Individual health records will not be accepted.
3. Respiratory Mask fit testing (Any type is fine - in general we use 3M N95)
4. HIPAA training
5. USMLE Step 1 Pass
6. Personal health insurance
7. BLS or ACLS certified Criminal Background Report
8. Malpractice Insurance $1,000,000/$3,000,000
9. In Good academic standing and in final year of study
10. Instruction for OSHA safety measures and infection control precautions

A nonrefundable application fee of $150 for MD students is due on receipt of an offer for externship. DO and International medical students are required to pay a nonrefundable fee of $4,150 on receipt of an offer for externship.

Upon completion of the course, student evaluations will be sent by the department course coordinator for the elective. If your school requires their evaluation form be used please include the form with your application material. Visiting students are also responsible for supplying a copy to the course coordinator once assigned.

We ask that you bring your home school student ID with you. A temporary student ID will be issued, which along with your home school ID will be used for identification on clinical services.

Degree Requirements

Please note: The School of Medicine’s Curriculum is currently undergoing reform. Please visit this page (https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/) for more information on how the curriculum will look for the 2025 student class and beyond.

Trek Curriculum

The Trek Curriculum integrates basic science elements longitudinally throughout the academic careers of our students to prepare them and to enhance their personal and professional development as clinicians.

Plains Curriculum

In the Plains, early clinical reasoning sessions will focus on introducing the vocabulary and fundamental concepts. Diagnostic schemas (flowcharts of diagnostic possibilities centered around a chief concern) of common conditions framed around prototypical clinical cases discussed in basic medical science coursework will help link basic science knowledge to the clinical reasoning, communication, and physical examination skills taught in the clinical skills course. Early case-based clinical reasoning sessions will highlight aspects of information gathering from the history and physical examination as well as aspects of hypothesis generation and problem representation. Consistent practice with oral presentations and medical documentation will be one way that the development of a differential diagnosis, a leading diagnosis, diagnostic justifications, and management and treatment plans will be taught in the clinical reasoning sessions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5010</td>
<td>First Course</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 5016</td>
<td>Foundational Principles</td>
<td>9</td>
</tr>
<tr>
<td>IDPT 5020</td>
<td>COMPASS</td>
<td>1.5-2.5</td>
</tr>
<tr>
<td>IDPT 5017</td>
<td>Hematologic &amp; Lymphatic Systems</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 5018</td>
<td>Gastrointestinal System</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 5020</td>
<td>COMPASS</td>
<td>1.5-2.5</td>
</tr>
<tr>
<td>IDPT 5019</td>
<td>Pulmonary &amp; Cardiovascular Systems</td>
<td>10</td>
</tr>
<tr>
<td>IPED 5002</td>
<td>Interprofessional Education and Development I</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5021</td>
<td>Renal &amp; Urinary Systems</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 5020</td>
<td>COMPASS</td>
<td>1.5-2.5</td>
</tr>
<tr>
<td>IDPT 5022</td>
<td>Nervous System</td>
<td>8</td>
</tr>
<tr>
<td>IDPT 5023</td>
<td>Musculoskeletal &amp; Integumentary Systems</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 5024</td>
<td>Mind &amp; Behavior</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 5020</td>
<td>COMPASS</td>
<td>1.5-2.5</td>
</tr>
<tr>
<td>IPED 6001</td>
<td>Interprofessional Education and Development II</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5025</td>
<td>Endocrine &amp; Metabolic Systems</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 5026</td>
<td>Reproductive System &amp; Life Cycle</td>
<td>9</td>
</tr>
<tr>
<td>IDPT 5020</td>
<td>COMPASS</td>
<td>1.5-2.5</td>
</tr>
</tbody>
</table>

Total Hours: 84.5-89.5

Foothills Curriculum

Longitudinal Integrated Clerkships (LICs) are teaching models in which students participate in the comprehensive care of patients over time, engage in continuity relationships with clinical faculty, known as preceptors, and meet core clinical competencies across multiple disciplines simultaneously (Worley et al. 2006).

Alpine Ascent Curriculum

The Alpine and Summit Curriculum encompasses the 20 months following the Foothills before graduation. This phase starts with 14 weeks of Advanced Science Courses that integrate authentic advanced clinical experiences with advanced science learning. This is followed by USMLE protected study and exam time. Then, students complete an individualized learning plan, consisting of an Acting Internship and other required and elective clinical and non-clinical experiences, to deepen their knowledge and skills as well-rounded physicians-in-training, choose and prepare for their residency and enhance their ability to positively transform the health of their future community.

At each major curricular transition (e.g. before / after each phase), students participate in a 1-2 week Base Camp curriculum to help them complement and consolidate prior learning and prepare for the next phase of learning.

Summit Curriculum

The Alpine and Summit Curriculum encompasses the 20 months following the Foothills before graduation. This phase starts with 14 weeks of Advanced Science Courses that integrate authentic advanced clinical experiences with advanced science learning. This is followed by USMLE protected study and exam time. Then, students complete an individualized learning plan, consisting of an Acting Internship and other required and elective clinical and non-clinical experiences, to deepen their knowledge and skills as well-rounded physicians-in-training, choose
and prepare for their residency and enhance their ability to positively transform the health of their future community.

At each major curricular transition (e.g. before / after each phase), students participate in a 1-2 week Base Camp curriculum to help them complement and consolidate prior learning and prepare for the next phase of learning.

**Longitudinal Curriculum**

**Mentored Scholarly Activity**

The MSA project (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, life-long learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession.

**Hybrid Curriculum**

Applicable to the Class of 2024 Only

The School of Medicine curriculum is divided into four phases: Phase I, Phase II, Phase III, and Phase IV. Phases I and II are the Essentials Core Curriculum years and Phases III and IV are the Clinical Core Curriculum years. Woven through all phases are four threads that integrate overarching topics into the curriculum: Culturally Effective Medicine; Evidence-Based Medicine and Medical Informatics; Humanities, Ethics, & Professionalism; and Medicine & Society.

In addition, the Mentored Scholarly Activity program, which provides students with the opportunity to work closely with a faculty mentor on a project of mutual interest, extends through all four years. The Foundations of Doctoring Curriculum extends through Phases I-III and emphasizes a humanistic approach to medical care while teaching and evaluating students’ basic communication and physical examination skills. Students also have the option of participating in tracks across the four phases that offer activities and support for faculty and students with similar interests. These tracks are research, rural, and global health.

**Essentials Core Curriculum**

The Essentials Core consists of nine interdisciplinary blocks, each with a unique theme that integrates the basic, clinical, and social sciences. Each block is directed by clinical and basic science co-directors with the goal of presenting basic and social sciences in a clinical context. Most sessions are confined to the morning, allowing students afternoon study time and opportunities for electives and service activities. Lecture hours have been reduced to make way for interactive small groups, labs, team projects, and problem-based learning activities. In addition, students begin to explore personal interests with a mentor through the Mentored Scholarly Activity program and may choose to participate in tracks (https://www.ucdenver.edu/academics/colleges/medicalschool/education/degree_programs/MDProgram/longitudinal/tracks/Pages/default.aspx) that allow them to interact with like-minded faculty and students in an area of interest outside the standard curriculum. The leadership of the Essentials Core interacts closely and collaboratively with the leadership of the Clinical Core as well as with the directors of all affiliated programs. Students play a key role in curriculum oversight and policymaking and are active, valued members of the Essentials Core Block Director committee.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 5000</td>
<td>Foundations Doctoring I</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 5001</td>
<td>Human Body</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 5002</td>
<td>Molecules to Medicine</td>
<td>8</td>
</tr>
<tr>
<td>IDPT 5003</td>
<td>Blood and Lymph</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 5004</td>
<td>Disease and Defense</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 5005</td>
<td>Cardiovascular/Pul/Renal</td>
<td>9.5</td>
</tr>
<tr>
<td>IDPT 5090</td>
<td>Mentored Scholarship I</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 5095</td>
<td>Research Track Phase I</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 5096</td>
<td>Summer Research Phase I</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 6000</td>
<td>Foundations Doctoring II</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 6001</td>
<td>Nervous System</td>
<td>7.5</td>
</tr>
<tr>
<td>IDPT 6002</td>
<td>Digest/Endo/Metaboli Sys</td>
<td>9.5</td>
</tr>
<tr>
<td>IDPT 6003</td>
<td>Life Cycle</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 6004</td>
<td>Infectious Disease</td>
<td>4.5</td>
</tr>
<tr>
<td>IDPT 6090</td>
<td>Mentored Scholarship II</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 6095</td>
<td>Research Track Phase II</td>
<td>1</td>
</tr>
</tbody>
</table>

**Clinical Clerkship Curriculum**

Clinical Clerkship Description The Clinical Core Curriculum (Phase III & IV)* consists of required interdepartmental clerkships, Sub/Acting-Internships, and Phase IV Electives. Phase III provides intensive clinical experiences in the hospital, ambulatory clinics, emergency room, labor and delivery suite, and operating rooms.

During the clinical clerkship curriculum, students participate in history-taking, physical examination and assessment, development of a differential diagnosis, diagnostic decision-making, interpretation of laboratory results, treatment planning, transitions of care, and re-evaluation of patient status’ after treatment is initiated. These activities and others provide medical students with opportunities to develop skills in lifelong self-directed learning, critical analysis of evidence, and clinical problem-solving.

*All Phase III clinical clerkships must be completed at the University of Colorado School of Medicine and course-approved sites, including the Area Health Education Centers (AHEC) system.

Students at the University of Colorado School of Medicine have the option to participate in either the traditional model of clinical clerkships in which students’ focus is a particular course, for a set period of time. Then for the next course, the student will learn new content. Students also have the opportunity to enroll in a Longitudinal Integrated Clerkship (LIC) in which all coursework is integrated throughout the entire clerkship year.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 7000</td>
<td>Foundations Doctoring III</td>
<td>0.5-1</td>
</tr>
<tr>
<td>IDPT 7001</td>
<td>Integrated Clinicians 1</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7002</td>
<td>Integrated Clinicians 2</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7003</td>
<td>Integrated Clinicians 3</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7010</td>
<td>Hospitalized Adult Care</td>
<td>16</td>
</tr>
<tr>
<td>IDPT 7020</td>
<td>Infant/Adolescent Care</td>
<td>12</td>
</tr>
<tr>
<td>IDPT 7030</td>
<td>Obstetrics and Gynecology</td>
<td>8</td>
</tr>
<tr>
<td>IDPT 7031</td>
<td>Emergency Care</td>
<td>4</td>
</tr>
</tbody>
</table>
Longitudinal Integrated Clinical Curriculum

Students in a Longitudinal Integrated Clerkship (LIC), spend their third phase III of medical school working all year long with the same specialty preceptor, providing longitudinal teaching, mentorship and evaluation. Students develop a cohort of patients from all specialties that they follow through primary care, subspecialty clinics, inpatient, and emergency settings throughout their year in the program. Students spend their clerkship year at a large urban safety-net hospital, caring for an almost entirely disadvantaged population faced with challenges such as poverty, low health literacy, language barriers, chronic illness, and high rates of mental illness and addiction. Students are selected into the LIC program based on their demonstrated commitment to caring for the vulnerable patient population served by their community and their capacity for self-directed, independent learning. Students will also participate in shortened inpatient “immersions” in surgery, medicine, labor and delivery, gynecology, pediatrics, and psychiatry. The remainder of the year is dedicated to longitudinal, integrated clinical experiences working one-on-one with faculty preceptors in every specialty. Students are given ample unstructured time for independent learning, follow-up with cohort patients, and professional development. Students participate in weekly small group didactic and workshop series focusing on core clinical topics and unique curricular content.

*International Consortium of Longitudinal Integrated Clerkships: A clinical curriculum in which students participate in the comprehensive care of patients over time, engage in continuity relationships with preceptors and evaluators, and meet core clinical competencies across multiple disciplines simultaneously.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 7040</td>
<td>Psychiatric Care</td>
<td>8</td>
</tr>
<tr>
<td>IDPT 7041</td>
<td>Neurologic Care</td>
<td>4-8</td>
</tr>
<tr>
<td>IDPT 7045</td>
<td>COVID Elective</td>
<td>1-8</td>
</tr>
<tr>
<td>IDPT 7050</td>
<td>Peri/Operative Care</td>
<td>16</td>
</tr>
<tr>
<td>IDPT 7070</td>
<td>Community and Primary Care</td>
<td>16</td>
</tr>
<tr>
<td>IDPT 7090</td>
<td>Mentored Scholarship III</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 7095</td>
<td>Research Track Phase III</td>
<td>1</td>
</tr>
</tbody>
</table>

Longitudinal Curriculum

The Longitudinal Curriculum at the University of Colorado, School of Medicine contains curricular components that extend from one Phase, or year, into another. Some of these components last for all four years. Student participation in Tracks is elective but the rest of the curriculum is required.

### Foundations of Doctoring

During Phases I, II, and III students will have clinical experiences with a community preceptor, and learn communication and physical exam skills in the Foundations of Doctoring curriculum. ([https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/fortunes-of-doctoring](https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/fortunes-of-doctoring/)) See also IDPT 5000, IDPT 6000, IDPT 7000, or IDPT 8000 Foundations Doctoring IV.

### Integrated Clinician Course (ICC)

In the third and fourth years of medical school, ICC brings together an entire class with two specific goals. The first goal is to provide important skills and knowledge in areas that are vital to the practice of medicine but are difficult to teach or not uniformly taught in the clinical setting. ICC topics include health policy, ethics, professionalism, clinical decision-making, culturally effective care, clinically relevant basic science material, and advanced clinical skills. The second, but no less important goal, is to provide students with the time and opportunity to reflect on and discuss the process of becoming a physician. See also IDPT 7001, IDPT 7002, IDPT 7003, IDPT 8004, or IDPT 8005.

### Integrated Radiology Curriculum (IRC)

Over the four years of medical school, students will learn about radiology and imaging. Medical imaging plays an ever-increasing role in patient care and is an integral part of nearly all medical and surgical specialties.

Knowledge of radiology and its use in contemporary medical practice is a vital part of clinical practice and will be integrated throughout the medical student curriculum. Students will have also have the opportunity to spend time in the state-of-the-art BAR (Beginning to Advanced Radiology) Lab.

### Interprofessional Education (IPE)

**Interprofessional Education (IPE)** at the Anschutz Medical Campus consists of 3 components: classroom team-based learning, simulation experiences at the Center for Assessing Professional Excellence (CAPE), and practicum experiences at clinical sites. The classroom course develops competencies in teamwork and collaboration, values and ethics, and quality and safety for first and second-year health professions students from dentistry, medicine, nursing, pharmacy, physical therapy, and physician assistant programs. Medical students participate in the IPE.
simulation and clinical practicums during their third year. See also IPED 5002 or IPED 6001.

**Mentored Scholarly Activity**

The MSA project ([https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/](https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/)) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, lifelong learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession. See also IDPT 5090, IDPT 6090, IDPT 7090, or IDPT 8090.

**Threads**

Threads are longitudinal essential themes that run through all four years of the medical student curriculum. Threads Directors work with Block Directors in each Phase to ensure continuity and development of these topics. The Threads are:

- **Culture, Health, Equity & Society**, Rita Lee, MD, and Paritosh Kaul, MD, Directors
- **Evidence-Based Medicine and Medical Informatics**, Carolyn DiGuiseppi, MD, MPH, Ph.D., Director; Brandon Combs, MD, Associate Director
- **Humanities, Ethics and Professionalism**, Jackie Glover, Ph.D., Director

**Tracks**

Medical students with a special area of interest may elect to participate in a track. Tracks provide additional opportunities to enhance learning and practice for students through special lectures, tailored clinical and research experiences, and sponsored mentored projects. Students will have the knowledge and level appropriate responsibilities in each of the four years of medical school. To learn the requirements for application and what each track entails see the links below.

  - International medicine with classroom and global experiences.
  - IDPT 6665 Introduction to Global Health
  - IDPT 6669 Global Health Seminar
  - IDPT 6667 Global Health Studies (US)
  - IDPT 6623 Refugee and Immigrant Health I
  - IDPT 8056 Global Health and Underserved Populations
- **Research Track** ([https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/research-program/](https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/research-program/))
  - Providing students with in-depth long-term exposure to research.
  - IDPT 5095 Research Track Phase I
  - IDPT 6095 Research Track Phase II
  - IDPT 7095 Research Track Phase III
  - IDPT 8095 Research Track Phase IV
  - IDPT 8601 Research Track, Research I
  - IDPT 8602 Research Track, Research II

**Legacy Curriculum**

Applicable to the Class of 2023 and prior

The School of Medicine curriculum is divided into four phases: Phase I, Phase II, Phase III, and Phase IV. Phases I and II are the Essentials Core Curriculum years and Phases III and IV are the Clinical Core Curriculum years. Woven through all phases are four threads that integrate overarching topics into the curriculum: Culturally Effective Medicine; Evidence-Based Medicine and Medical Informatics; Humanities, Ethics, & Professionalism; and Medicine & Society.

In addition, the Mentored Scholarly Activity program, which provides students with the opportunity to work closely with a faculty mentor on a project of mutual interest, extends through all four years. The Foundations of Doctoring Curriculum extends through Phases I-III and emphasizes a humanistic approach to medical care while teaching and evaluating students’ basic communication and physical examination skills. Students also have the option of participating in tracks across the four phases that offer activities and support for faculty and students with similar interests. These tracks are research, rural, and global health.

**Essentials Core Curriculum**

The Essentials Core consists of nine interdisciplinary blocks, each with a unique theme that integrates the basic, clinical, and social sciences. Each block is directed by clinical and basic science co-directors with the goal of presenting basic and social sciences in a clinical context. Most sessions are confined to the morning, allowing students afterward study time and opportunities for electives and service activities. Lecture hours have been reduced to make way for interactive small groups, labs, team projects, and problem-based learning activities. In addition, students begin to explore personal interests with a mentor through the Mentored
Scholarly Activity program and may choose to participate in tracks (https://www.ucdenver.edu/academics/colleges/medicalschool/education/degree_programs/MDProgram/longitudinal/tracks/Pages/default.aspx) that allow them to interact with like-minded faculty and students in an area of interest outside the standard curriculum. The leadership of the Essentials Core interacts closely and collaboratively with the leadership of the Clinical Core as well as with the directors of all affiliated programs. Students play a key role in curriculum oversight and policymaking and are active, valued members of the Essentials Core Block Director committee.

Problem Based Learning

PBL uses a multidisciplinary approach, designed to break down the traditional barriers of compartmentalization that are imposed by a departmental structure. The PBL curriculum will consist of eight cases in Phase I and four cases in Phase II. Each case will require two or three 2-hour meetings in small groups of eight to nine students. The cases will be presented in the problem-based learning style, where clinical situations are revealed in consecutive sections. In the first meeting, the case is analyzed and learning objectives/issues are determined. Students then independently research their learning issues and post their summaries online in a Blackboard discussion forum so that everyone can read the learning issues in advance and be ready to discuss them at the next session. For the second session, students return to discuss how they satisfied their learning issues and then are presented with more information and additional problems. These problems help students bring together information that they have learned or will learn in lectures, labs, small groups, and on their own. The tutor will provide feedback to the students on whether the major goals of the case have been covered. At the end of each case, there will be questions that the group should answer to determine if they have learned the case content.

Clinical Clerkship Curriculum

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 7001</td>
<td>Human Body</td>
<td>7</td>
</tr>
<tr>
<td>IDPT 7002</td>
<td>Molecules to Medicine</td>
<td>8</td>
</tr>
<tr>
<td>IDPT 7003</td>
<td>Blood and Lymph</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7004</td>
<td>Disease and Defense</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 7005</td>
<td>Cardiovascular/Pul/Renal</td>
<td>9.5</td>
</tr>
<tr>
<td>IDPT 6001</td>
<td>Nervous System</td>
<td>7.5</td>
</tr>
<tr>
<td>IDPT 6002</td>
<td>Digest/Endo/Metaboli Sys</td>
<td>9.5</td>
</tr>
<tr>
<td>IDPT 6003</td>
<td>Life Cycle</td>
<td>5</td>
</tr>
<tr>
<td>IDPT 6004</td>
<td>Infectious Disease</td>
<td>4.5</td>
</tr>
</tbody>
</table>

Longitudinal Integrated Clinical Clerkship Curriculum

Students in a Longitudinal Integrated Clerkship (LIC), spend their third phase III of medical school working all year long with the same specialty preceptor, providing longitudinal teaching, mentorship and evaluation. Students develop a cohort of patients from all specialties that they follow through primary care, subspecialty clinics, inpatient, and emergency settings throughout their year in the program. Students spend their clerkship year at a large urban safety-net hospital, caring for an almost entirely disadvantaged population faced with challenges such as poverty, low health literacy, language barriers, chronic illness, and high rates of mental illness and addiction. Students are selected into the LIC program based on their demonstrated commitment to caring for the vulnerable patient population served by their community and their capacity for self-directed, independent learning.

Students will also participate in shortened inpatient “immersions” in surgery, medicine, labor and delivery, gynecology, pediatrics, and psychiatry. The remainder of the year is dedicated to longitudinal, integrated clinical experiences working one-on-one with faculty preceptors in every specialty. Students are given ample unstructured time for independent learning, follow-up with cohort patients, and professional development. Students participate in weekly small group didactic and workshop series focusing on core clinical topics and unique curricular content.

International Consortium of Longitudinal Integrated Clerkships: A clinical curriculum in which students participate in the comprehensive care of patients over time, engage in continuity relationships with preceptors and evaluators, and meet core clinical competencies across multiple disciplines simultaneously.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPT 7000</td>
<td>Foundations Doctoring III</td>
<td>0.5-1</td>
</tr>
<tr>
<td>IDPT 7001</td>
<td>Integrated Clinicians 1</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7002</td>
<td>Integrated Clinicians 2</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7003</td>
<td>Integrated Clinicians 3</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7012</td>
<td>Longitudinal Integrated Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7013</td>
<td>Longitudinal Internal Medicine (LIC)</td>
<td>4-6</td>
</tr>
<tr>
<td>IDPT 7022</td>
<td>LIC Pediatrics</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7023</td>
<td>Longitudinal MSK (LIC)</td>
<td>1-2</td>
</tr>
<tr>
<td>IDPT 7032</td>
<td>Longitudinal Obstetrics/Gynecology (LIC)</td>
<td>2-6</td>
</tr>
<tr>
<td>IDPT 7033</td>
<td>Longitudinal Emergency Med (LIC)</td>
<td>1-2,</td>
</tr>
<tr>
<td>IDPT 7042</td>
<td>Longitudinal Psychiatry (LIC)</td>
<td>2-4</td>
</tr>
<tr>
<td>IDPT 7043</td>
<td>Longitudinal Neurology (LIC)</td>
<td>2-4</td>
</tr>
<tr>
<td>IDPT 7045</td>
<td>COVID Elective</td>
<td>1-8</td>
</tr>
<tr>
<td>IDPT 7052</td>
<td>Longitudinal Surgery/Anesthesia (LIC)</td>
<td>2-10</td>
</tr>
<tr>
<td>IDPT 7062</td>
<td>Longitudinal Family Medicine (LIC)</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7063</td>
<td>Longitudinal Family Medicine Community (LIC)</td>
<td>2-4</td>
</tr>
<tr>
<td>IDPT 7064</td>
<td>Longitudinal Outpatient (LIC)</td>
<td>2-4</td>
</tr>
<tr>
<td>IDPT 7065</td>
<td>Longitudinal Inpatient (LIC)</td>
<td>4</td>
</tr>
<tr>
<td>IDPT 7075</td>
<td>VA Sequential Training Program</td>
<td>1-2</td>
</tr>
<tr>
<td>IDPT 7080</td>
<td>Integrated Longitudinal Medicine Clerkship</td>
<td>16-32</td>
</tr>
<tr>
<td>IDPT 7085</td>
<td>Integrated Longitudinal Medicine Clerkship</td>
<td>2</td>
</tr>
<tr>
<td>IDPT 7090</td>
<td>Mentored Scholarship III</td>
<td>1</td>
</tr>
<tr>
<td>IDPT 7095</td>
<td>Research Track Phase III</td>
<td>1</td>
</tr>
</tbody>
</table>

Longitudinal Curriculum

The Longitudinal Curriculum at the University of Colorado, School of Medicine contains curricular components that extend from one Phase, or year, into another. Some of these components last for all four years.
Student participation in Tracks is elective but the rest of the curriculum is required.

**Foundations of Doctoring**

During Phases I, II, and III students will have clinical experiences with a community preceptor, and learn communication and physical exam skills in the Foundations of Doctoring curriculum. (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/foundations-of-doctoring/) See also IDPT 5000, IDPT 6000, IDPT 7000, or IDPT 8000 Foundations Doctoring IV.

**Integrated Clinician Course (ICC)**

In the third and fourth years of medical school, ICC brings together an entire class with two specific goals. The first goal is to provide important skills and knowledge in areas that are vital to the practice of medicine but are often difficult to teach or not uniformly taught in the clinical setting. ICC topics include health policy, ethics, professionalism, clinical decision-making, culturally effective care, clinically relevant basic science material, and advanced clinical skills. The second, but no less important goal, is to provide students with the time and opportunity to reflect on and discuss the process of becoming a physician. See also IDPT 7001, IDPT 7002, IDPT 7003, IDPT 8004, or IDPT 8005.

**Integrated Radiology Curriculum (IRC)**

Over the four years of medical school, students will learn about radiology and imaging. Medical imaging plays an ever-increasing role in patient care and is an integral part of nearly all medical and surgical specialties.

Knowledge of radiology and its use in contemporary medical practice is a vital part of clinical practice and will be integrated throughout the medical student curriculum. Students will have also have the opportunity to spend time in the state-of-the-art BAR (Beginning to Advanced Radiology) Lab.

**Interprofessional Education (IPE)**

Interprofessional Education (IPE) at the Anschutz Medical Campus consists of 3 components: classroom team-based learning, simulation experiences at the Center for Assessing Professional Excellence (CAPE), and practicum experiences at clinical sites. The classroom course develops competencies in teamwork and collaboration, values and ethics, and quality and safety for first and second-year health professions students from dentistry, medicine, nursing, pharmacy, physical therapy, and physician assistant programs. Medical students participate in the IPE simulation and clinical practicums during their third year. See also IPED 5002 or IPED 6001.

**Mentored Scholarly Activity**

The MSA project (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/mentored-scholarly-activity/) is a four-year requirement for all undergraduate medical students. The project culminates in a capstone presentation in Phase IV prior to graduation. The goal of the MSA curriculum is to foster self-directed, life-long learning over the course of the medical student career. The MSA requires students to identify and work with a mentor to complete their projects, which also prepares them for working with mentors in their careers and serving as mentors to others in the medical profession. See also IDPT 5090, IDPT 6090, IDPT 7090, or IDPT 8090.

**Threads**

Threads are longitudinal essential themes that run through all four years of the medical student curriculum. Threads Directors work with Block Directors in each Phase to ensure continuity and development of these topics. The Threads are:

- Culture, Health, Equity & Society, Rita Lee, MD, and Paritosh Kaul, MD, Directors
- Evidence-Based Medicine and Medical Informatics, Carolyn DiGuiseppi, MD, MPH, Ph.D., Director; Brandon Combs, MD, Associate Director
- Humanities, Ethics and Professionalism, Jackie Glover, Ph.D., Director

**Tracks**

Medical students with a special area of interest may elect to participate in a track. Tracks provide additional opportunities to enhance learning and practice for students through special lectures, tailored clinical and research experiences, and sponsored mentored projects. Students will have the knowledge and level appropriate responsibilities in each of the four years of medical school. To learn the requirements for application and what each track entails see the links below.

- Global Health (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/global-program/)
  International medicine with classroom and global experiences.
  - IDPT 6665 Introduction to Global Health
  - IDPT 6669 Global Health Seminar
  - IDPT 6667 Global Health Studies (US)
  - IDPT 6623 Refugee and Immigrant Health I
  - IDPT 8056 Global Health and Underserved Populations

- Research Track (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/research-program/)
  Providing students with in-depth long-term exposure to research.
  - IDPT 5095 Research Track Phase I
  - IDPT 6095 Research Track Phase II
  - IDPT 7095 Research Track Phase III
  - IDPT 8095 Research Track Phase IV
  - IDPT 8601 Research Track, Research I
  - IDPT 8602 Research Track, Research II

- Rural Track (https://medschool.cuanschutz.edu/education/current-students/curriculum/longitudinal-curriculum/tracks/rural-program/)
  Giving students a broad and rich experience in rural medicine.
• Students in the program complete their Foothills (https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/) clinical core year in a rural Colorado community. To prepare for this experience, students are invited to participate in a five-day orientation and rural immersion experience the summer before school starts. During the Plains (https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/) preclinical curriculum, a variety of lectures, labs, and workshops are held several times a month that will help interpret and bring a rural focus to what students are learning in their regular courses. In the Alpine Ascent (https://medschool.cuanschutz.edu/education/current-students/curriculum/curriculum-reform/) phase of the curriculum, there will be additional opportunities for participation in rural-focused courses.

**Curriculum Reform/Student Learning Outcomes**

**Guiding Principles for Curricular Reform**

**Vision:** Our graduates will be physician leaders capable of transforming the health of diverse communities.

**Mission:** Through a longitudinally integrated curriculum, we aim to educate physician leaders who are curious, life-long learners with a commitment to serve the profession, our patients, and society.

**Values/Pillars: Leadership, Curiosity, Commitment**

1. We want our student outcomes to be tightly linked to our curricular content and delivery; therefore, we aim for our new curriculum to be Outcomes Based: Our curriculum content, structure, and instructional strategies should support the type of physicians we want to produce with assessments that enhance learning. New research in medical education and strategies for improved adult learning aim to inform curricular approaches, therefore we aim for our new curriculum to be Evidence Based: Our curriculum content, structure, and instructional strategies should be based in sound educational theory when possible. When not possible, we will strive to add to the evidence base through rigorous program evaluation.

2. Current structures in clinical care and in teaching lead to fragmentation of relationships between students, teachers, and patients; we aim for our new curriculum to focus on a diversity of Longitudinal Relationships: Many of the desired attributes we hope students develop are learned by example. The program must bring students into contact with strong, positive role models who are clinicians, investigators, peers, patients, advocates, and community members.

3. The science of medicine is evolving at a rapid pace necessitating integration of relevant scientific concepts throughout medical training and into practice, therefore we aim to enhance the integration of foundational and more complex scientific concepts: The scientific knowledge and principles relevant to clinical medicine need to be ‘integrated and sequenced optimally’ across all years of medical school. Advanced sciences should be explored later in the curriculum, in the context of patient care experiences.

4. Physician leaders of tomorrow need to be well-rounded while also developing unique areas of expertise, therefore our new curriculum will create opportunities for Individualization: Students will have choice in their learning and time to pursue an area(s) of interest in depth, and to individualize their learning, especially as they advance toward graduation outcomes and choose careers paths.

5. In some cases, the complexity of the clinical care environment and pressures for efficient care have sidelined our learners further from the bedside, therefore we aim for our new curriculum to enhance authentic, patient-centered experiences as early as possible in the clinical and community environments: The environment needs to provide opportunities for students to demonstrate their ability to act with regard for others (e.g., involvement with patients or community, service experiences) and demonstrate progressive competency in these interactions.

6. In the face of the exponentially expanding knowledge, rapidly changing health care, and evolving societal systems, we recognize the importance of vitality and well-being. Our curriculum will support student and faculty vitality through meaningful relationships, connection to purpose, and personal development that emphasizes sustainability and the importance of diversity, equity and inclusion.

7. Given the rapid pace of evolution of the medical sciences, we recognize that we cannot teach our students everything during the four years of medical school, therefore we strive to create graduates with a Growth Mindset: Graduates must be equipped with skills for a lifetime of inquiry, critical thinking and ultimately, the ability to make informed, evidence-based decisions in the face of uncertainty.

**From the Desk of Shanta Zimmer, Senior Associate Dean for Education**

**Clinical Reasoning in the Plains Year of the Trek Curriculum**

(October, 2020) Love to think, talk, or teach about clinical reasoning? Please read on! The CUSOM is planning to develop new educational materials, teaching methods, and assessment tools to explicitly introduce clinical reasoning concepts in the TREK curriculum. Developing cohesion of goals, learning objectives, and assessments related to clinical reasoning across the Plains, Foothills, and Alpine Ascent phases of the curriculum will be important and exciting educational work to be done! If you are interested in helping develop new educational materials in the Plains or collaborating on existing or anticipated teaching activities and assessments across the TREK curriculum, please reach out to todd.guth@CUAnschutz.edu.

Clinical reasoning has been defined in a general sense as “the thinking and decision-making processes associated with clinical practice” or even more simply “diagnostic problem solving” (Higgs and Jones, 2000 and Elstein, 1995). Clinical reasoning means different things to different individuals, but for the purposes of the TREK curriculum, we settled on a definition of clinical reasoning as the ability of students “to sort through a cluster of features presented by a patient and accurately assign a diagnostic label, with the development of an appropriate treatment strategy being the end goal” (Eva, 2005). Clinical reasoning conceptualized in this way can be deconstructed into seven discreet domains that allow for alignment of teaching materials and assessment tools in the new TREK curriculum.

In the Plains, early clinical reasoning sessions will focus on introducing the vocabulary and fundamental concepts. Diagnostic schemas (flowcharts of diagnostic possibilities centered around a chief concern) of common conditions framed around prototypical clinical cases
discussed in basic medical science coursework will help link basic science knowledge to the clinical reasoning, communication, and physical examination skills taught in the clinical skills course. Early case-based clinical reasoning sessions will highlight aspects of information gathering from the history and physical examination as well as aspects of hypothesis generation and problem representation. Consistent practice with oral presentations and medical documentation will be one way that the development of a differential diagnosis, a leading diagnosis, diagnostic justifications, and management and treatment plans will be taught in the clinical reasoning sessions.

Students will be assessed using a combination of workplace-based assessments in their preceptorship, non-workplace-based assessments, and objective structured clinical examinations (OSCE) during the Plains year. The assessment data will be organized around the seven domains of clinical reasoning and sample broadly across a variety of clinical content areas. Ideally, this student clinical reasoning performance data in the Plains can be linked to other data across clinical experiences in the Foothills and Alpine Ascent to provide a programmatic understanding of clinical reasoning performance in the TREK curriculum. Again, if you are interested in helping develop new educational materials in the plains or collaborating on existing or anticipated teaching activities and assessments across the TREK curriculum, please reach out to todd.guth@CUAnschutz.edu.

MD candidates may choose to pursue careers other than clinical medicine for a variety of personal and professional reasons, and they may do so at different times in their training or careers. Alternative paths might occur directly out of medical school, out of internship once a license is earned, after residency, or after years of practicing clinical medicine. At any of these stages, a dual degree may be useful, including Ph.D., MBA, JD, MPH, MHA, etc.

The School of Medicine currently has four formal joint or dual degree programs, the Medical Scientist Training Program (MSTP), Master of Public Health (MPH), Master of Science in Bioengineering (MS), and the Masters in Business Administration (MBA) program.

**MD/Ph.D Dual Degree**

The MSTP program offers a combined MD/Ph.D. degree and is a rigorous multi-year program in which students complete the basic science curriculum and then enter the graduate school to complete basic science research leading to a doctoral thesis before returning to complete the clinical curriculum. For MSTP Program (http://www.ucdenver.edu/academics/colleges/medical-school/education/degree_programs/mstp/Pages/MSTP.aspx) details

**MD/MS in Bioengineering**

The MD/MS in Bioengineering program enables current MD candidates to complete MS requirements in bioengineering. A motivated student can complete these requirements in three semesters, usually taking a year off between Phases III & IV (May to May). Additional time may be required depending on the student's course choices and research project. All students will be evaluated in a final oral defense examination that includes an open research seminar. For more information about Dual Bioengineering Degrees (http://www.ucdenver.edu/academics/colleges/Engineering/Programs/bioengineering/GraduateProgram/MasterofScience/Pages/MasterofScience.aspx).

**MD/MPH Dual Degree**

This dual degree is offered by the University of Colorado School of Medicine and the Colorado School of Public Health on the CU Anschutz Medical Campus. In addition to receiving a Doctor of Medicine (MD) degree, students concurrently receive the Master of Public Health (MPH) degree in a concentration of their choice: Applied Biostatistics; Community & Behavioral Health; Environmental & Occupational Health; Epidemiology; Health Systems, Management & Policy; Maternal and Child Health; or a custom concentration. Only students already in or accepted into the University of Colorado MD program are eligible to apply.

To learn more about this dual degree, please click here (http://catalog.ucdenver.edu/curriculum/schools-colleges-programs/colorado-school-public-health/dual-degree-programs/#mdmphtext) to view the full information within the Colorado School of Public Health portion of the academic catalog.

**MBA in Healthcare Administration**

The School of Medicine, working with the University of Colorado Denver’s downtown campus, also provides the opportunity for students to earn a Master of Business Administration (MBA) degree in one calendar year. Students enter this program after completing Phases I, II, and III. Students must apply to the MBA program separately; however, the program will waive the requirement for the GMAT and use the student’s MCAT scores. This program provides an excellent opportunity for medical students who wish to understand the business of medicine and to develop the skills necessary to work in health care administration. For additional details on the MBA in Healthcare Administration (https://business.ucdenver.edu/mba/health-administration-mba/)

**Student Policies and Procedures (Applicable to Hybrid/Legacy Only)**

**Student Policies (all Phases)**

- School Hazardous Exposure Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/hazardous-exposure-policy-20.pdf?sfvrsn=d3d0a8b9_2)
- Appropriate Persons in the Learning Setting Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/nonstudentvisitorsinlearningsettings.pdf?sfvrsn=ef60a8b9_2)
- Medical Student Professionalism Committee (https://medschool.cuanschutz.edu/education/current-students/support-for-students/medical-student-professionalism-committee/)
- Reproductive Health Hazards (Campus policy) (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/reproductive-health-hazards-20.pdf?sfvrsn=aadda8b9_2)
- Security, Student Safety, and Disaster Preparedness Table (https://medschool.cuanschutz.edu/docs/librariesprovider31/
Phases I & II

- Formative Feedback Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/formativefeedback-2.pdf?sfvrsn=e7d2a8b9_2)
- Lecture Recording Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/lecturerecordingpolicy-20.pdf?sfvrsn=ebd2a8b9_2)
- Lecture Recording - Student Acknowledgement of Policy Form (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/studentacknowledgementofrecordingpolicy-20.pdf?sfvrsn=f9d2a8b9_2)
- Pre-clerkship Scheduled Time Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preclerkshipsscheduledtimepolicy-20.pdf?sfvrsn=a1d2a8b9_2)

Phases III & IV

- Clinical Sites Dress Code (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/dresscode-20.pdf?sfvrsn=40d4a8b9_2)
- Duty Hours Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medstuddutychourspolicy-20.pdf?sfvrsn=8bd4a8b9_2)
- Family Member as Preceptor (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/familymembersaspreceptor20.pdf?sfvrsn=86d3a8b9_2)
- Phase III Guidebook (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phase-iii-guidebook-01-2021a.pdf?sfvrsn=eb5595b9_0)
- Phase IV Guidebook (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phase-4-guidebook20.pdf?sfvrsn=44d4a8b9_2)
- Logger Requirement Policy (Phase III only) (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseiiiloggingrequiredclinicalexperiences20.pdf?sfvrsn=5cd4a8b9_2)
- Site Assignment Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/clinicalsiteassignmentpolicy20.pdf?sfvrsn=91d4a8b9_2)
- Branch Assignment Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/branchassignmentpolicy20.pdf?sfvrsn=8ed3a8b9_2)
- Phase IV Add/Drop Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseivadddroppolicy20.pdf?sfvrsn=3f3d4a8b9_2)
- Phase IV Absence Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/phaseivabsencepolicy20.pdf?sfvrsn=7fd4a8b9_2)
- Required Phase III Resources (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/required-phase-3-resources-20.pdf?sfvrsn=82d3a8b9_2)

Teaching & Learning Policies and Guidelines

- Preparation to Teach and Provision of Instructor Resources (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/preparationandresourcestoteach20.pdf?sfvrsn=5a29a9b9_2)
- Educational Conflict of Interest (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/educationalconflictofinterestpolicy20.pdf?sfvrsn=d928a9b9_2)
- Teacher Learner Agreement (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9_0)
- Standards for Medical Student Supervision (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/standardsformedicalstudentssupervision20.pdf?sfvrsn=b829a9b9_2)
- CUSOM Competencies ("Program Objectives") (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/medical-knowledge-for-practice-20.pdf?sfvrsn=4630a9b9_0)

Other

- Transfer Student Policy (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/transferstudentpolicy20.pdf?sfvrsn=5828a9b9_2)

Professionalism

The CU Anschutz Office of Professional Excellence (https://www.cuanschutz.edu/offices/professionalism/#:~:text=The %20CU%20Anschutz%20Office%20of,on%20the%20Anschutz%20Medical%20Campus)provides a private resource to obtain a fair and equitable process and resolution for all matters pertaining to professionalism concerns regarding students, residents, fellows, staff members, and faculty in any school or college on the Anschutz Medical Campus.

Teacher Learner Agreement

This Teacher Learner Agreement (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/teacherlearneragreement-18-19.pdf?sfvrsn=3217c0b9_0) serves both as a pledge and a reminder to teachers and students that their conduct in fulfilling their
mutual obligations is the medium through which the profession perpetuates its ethical values.

**Risk Management**

University Risk Management (https://www.cu.edu/risk/?_ga=2.146526452.1555130146.1594649193-320053204.1594649193) promotes a safe learning and working environment for the University of Colorado community.

**Student Advocacy**

As the Associate Dean for Student Advocacy, I help and advise medical and physical therapy students with any and all of their concerns. My interactions with students are entirely confidential and strictly “Off-of-the-Record”. I have been in this position for nearly two decades and have gained considerable experience with many issues. At your request, I can serve as your advocate at promotions and honor council deliberations and various interactions with faculty. I am connected with and can make referrals to a cadre of other confidential professionals who are skilled in addressing academic and many other issues. It is always better if you seek my consultation earlier rather than later. My contact information is listed below:

John E. Repine, MD
Waring Professor of Medicine and Pediatrics
Director Webb-Waring Center
Associate Dean for Student Advocacy
303-724-4788 (office 8118 in RC-1)
303-917-4257 (cell)
John.Repine@cuanschutz.edu (john.repine@ucdenver.edu)

**Disability, Travel, and Wellness Resources**

As medical students, you have access to several resources from the AMA:

- Global Travel Service (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/global-travel-20.pdf?sfvrsn=b58cdeb9_0)
- Stress and Wellness Program (https://medschool.cuanschutz.edu/docs/librariesprovider31/education-docs/ome/stress-and-wellness-20.pdf?sfvrsn=eab7deb9_0)

In addition to the pdfs attached above you can get more information from the Med Plus Advantage site and enter the code 644189 into the “My Med Plus Advantage” portion to access their certificates of coverage as well as membership cards and services. Also, you can contact your AMA Insurance Agency representative:

Brian Farmer
National Account Executive, Brokerage Marketing
AMA Insurance Agency, Inc.
515 North State Street
Chicago, IL 60654
T: 312-464-5460
M: 317-432-7656
email: brian.farmer@amainsure.com

**Document Request**

This online request form can be used by former or current University of Colorado School of Medicine MD students. Requests may take up to 1 week after submission for processing. Upon completion, the Student Data Records Manager will send an email notification of completion.

Documents available:

- MSPE/ Dean’s Letter
- Medical Education Verification
- True Copy of Diploma
- State Licensure (Form Only)
- State Licensure & Official Transcript

If you only need an official transcript (with no accompanying form or letter), please order the transcript from the Office of the University Registrar.

**Wellness**

Campus Health Center (https://www.ucdenver.edu/anschutz/campushealth/) - The clinic accepts most health insurance, offers same or next-day appointments, and walk-ins are welcome. Example of services: Immunizations, minor skin condition, minor eye care, minor sprains, routine lab testing (strept, flu, mononucleosis), neutrophil treatments, suture removal, ear infections, colds and flu, well-woman exams, urinary tract infections. Blood glucose and blood pressure checks are also available. The clinic also has a well-staffed mental health clinic with experienced practitioners.

Mental Health Services (https://www.ucdenver.edu/life/services/student-health/mental-wellness/) - Provides comprehensive and confidential mental health services for all students (including postdoctoral fellows and graduate students) enrolled in the schools located at the Anschutz Medical Campus (Medical, Dental, Nursing, Pharmacy, Public Health, Physician Assistant, Physical Therapy, postdoctoral programs, graduate school, etc.). Initial appointments are scheduled relatively quickly, often within the same week. Options for ongoing care include receiving treatment from the AMC Student Mental Health clinicians, the UCH Outpatient Psychiatry Clinic, and a community network of providers, depending on insurance coverage.

Colorado Physician Health Program (CPHP) (http://cphp.org/) - CPHP can assist students, physicians, residents who may have health problems, which, if left untreated, could adversely affect their ability to practice medicine safely. They can assist with Depression, Stress, Relationship Issues, ADHD, Chronic Pain, Emotional Problems, Bipolar, Career Issues, Substance Abuse, Professional Boundary Issues, Sleep disorders, Psychiatric Issues, etc. There is no charge to students for individual CPHP appointments. CPHP provides: Evaluation and Assessment, Treatment Referral and Monitoring, Urine Drug Screen, Family services.

Advocacy and Support Center (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/student-resources/Pages/CU-Anschutz-Advocacy-and-Support-Center.aspx) - The CU Anschutz Advocacy and Support Center is a campus resource providing support to students, faculty, and staff who’ve experienced
sexual assault or interpersonal violence at home or on campus in an education/clinical environment or a community/public setting.

Campus Resources

- Academic Calendars (https://www.ucdenver.edu/anschutz/studentresources/Registrar/CourseListings/Pages/AcademicCalendar.aspx)
- Bursar’s Office – Student Billing (https://www.ucdenver.edu/anschutz/studentresources/StudentBilling/Pages/default.aspx)
- Campus Security/Police (https://www.cuanschutz.edu/police/)
- CARE Team (Campus Assessment, Response & Evaluation Team) (https://www.ucdenver.edu/student/health-wellness/care-team/)
- Commuting to Campus (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/student-resources/Pages/Parking-Transportation.aspx)
- Copy and Fax Machines (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/academic-resources/Pages/Copy-Machines.aspx)
- Dental Insurance (https://www.ucdenver.edu/life/services/student-health/dental/Pages/default.aspx)
- Disability Resources and Services (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/academic-resources/Pages/Disability-Resources-and-Services.aspx)
- Financial Aid (https://www.ucdenver.edu/anschutz/studentresources/FASO/Pages/FASO.aspx)
- Lactation Rooms Anschutz and Denver Campuses (https://www.cu.edu/docs/cu-denveranschutz-campus-lactation-rooms/)
- Library (http://hslibrary.ucdenver.edu/)
- Lockers Information Email (tss.amcstudentlockers@ucdenver.edu)
- Lost and Found on Anschutz Medical Campus (https://www.cuanschutz.edu/police/police-operations-division/lost-and-found/)
- Needlesticks and Exposures Report (https://www.cu.edu/risk/forms/needlestick-or-body-fluid-exposure-report-form/)
- Office of Equity (http://equity.ucdenver.edu/)
- Office of Inclusion and Outreach (https://www.ucdenver.edu/about/departments/odi/oio/Pages/default.aspx)
- Office of Student Campus Services, AMC (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/Pages/default2.aspx)
- Parking and Transportation (https://www.ucdenver.edu/about/departments/FacilitiesManagement/ParkingMaps/Parking/Pages/Parking.aspx)
- Printing Services (https://www.ucdenver.edu/about/departments/printing/Pages/PrintingServices.aspx)
- Student Conduct and Community Standards (https://www.ucdenver.edu/life/services/standards/Pages/default.aspx%20/blank)
- Student Insurance (https://www.ucdenver.edu/life/services/student-health/insurance/Pages/default.aspx)
- Student Housing (https://www.ucdenver.edu/anschutz/studentresources/student-assistance/housing/Pages/home.aspx)
- Veteran and Military Student Services (https://www.ucdenver.edu/life/services/Veteran/Pages/vmsshome.aspx)
- Wellness Center (https://anschutzwellness.com/)
- Writing Center (http://writingcenter.ucdenver.edu/)

To view the full Faculty Directory for the University of Colorado School of Medicine, please visit this site (https://som.ucdenver.edu/Profiles/).

Courses

ANES 8000 - Clinical Anesthesiology (8 Credits)
4 wks. Students will work one-on-one with anesthesia faculty and residents to gain further practical experience in all aspects of peri-operative care; improving skills gained in the third year and developing a deeper understanding of the breadth of anesthetic practice.
Grading Basis: Medical School Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

ANES 8001 - Surgery Intensive Care AI (8 Credits)
The goal is to prepare MSIV’s for internship by having them manage ‘their’ patients, present on multidisciplinary rounds, call consults, assist/performing procedures, discuss clinical topics & receive didactics.
Honors requires clinical excellence and a written paper.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

ANES 8002 - Anesthesia Subspecialties (8 Credits)
4 wks. Max: 4. Course exposes students to subspecialty areas in Anesthesiology. Students will attain additional experience in selected areas of anesthetic practice. Options include Acute and Chronic Pain, L & D, Cardiothoracics, Neurosurgery, Transplants and Pre-Anesthesia Testing. Prereq: ANES 8000.
Grading Basis: Medical School
Repeatable. Max Credits: 8.

ANES 8100 - ANES Elective Away (8 Credits)
This Anesthesiology elective will be held at a site in Colorado, another state or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Course offered 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

ANES 8600 - Research in Anesthesiology (4-16 Credits)
2-8 wks. Prereq: Special permission and individual arrangements required in advance. The student must receive prior approval from the Associate Dean for Student Affairs. This course allows students to complete a research project in Anesthesiology.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Spring.

ANES 8630 - ANES Research Elective Away (4-16 Credits)
This Anesthesiology research elective will be held at a site in Colorado or another state. Course is only offered 2, 4 or 8 weeks
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.
DERM 6660 - Career Elective in DERM (1 Credit)
This course is designed to provide an introduction into the field of dermatology. Students will shadow a dermatologist in clinic to get an idea of the scope of practice in dermatology which encompasses medical, surgical and dermatopathology.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

DERM 8000 - Dermatology Clinical Elective (4 Credits)
This course is designed to provide a broad overview of medical, surgical and pediatric dermatology. Students will become familiar with the differential diagnosis and treatment of common skin disease, and procedural dermatology including skin biopsies and cryosurgery.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

DERM 8001 - Advanced Dermatology (8 Credits)
This course is designed to provide a broad overview of medical, surgical and pediatric dermatology. Students will become familiar with the differential diagnosis and treatment of common skin disease, and procedural dermatology including skin biopsies and cryosurgery.
Requirements: Instructor Consent
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

DERM 8200 - Course Work Away in Colo (4-16 Credits)
Grading Basis: Conversion
Repeatable. Max Credits: 16.

DERM 8300 - DERM Elective Away (4-8 Credits)
This elective will be held at a site in Colorado or another state. International electives not allowed.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

DERM 8500 - Research in Dermatology (4-16 Credits)
4, 6, 8 wks. Max: 5 . Research elective allows the student to design and implement a basic science, clinical or epidemiologic research project relevant to dermatology or cutaneous biology. Students are expected in research seminars and to present their results. Prereq: Course Director approval required to register.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.

DERM 8530 - DERM Research Away (4-16 Credits)
This research elective will be held at a site in Colorado or another state. International electives not allowed.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.

EMED 6624 - Introduction to Wilderness Medicine (1 Credit)
A didactic course to review basics of wilderness and environmental medicine, including high altitude, hypothermia, frostbite, dive medicine, and expedition medicine PLUS a morning with Rocky Mountain Rescue in Boulder learning rescue techniques and skills.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

EMED 6626 - Pre-Hospital Medicine (1 Credit)
Min:10 Max:20. Enrollment restricted to (Emergency Medicine Interest Group) EMIG only. Students required to participate in 1 ten hour ride along shift with Denver Paramedic Division 911 ambulances, attend required Introductory lecture on pre-hospital medicine and submit 1 evaluation from ambulance ride.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

EMED 6627 - Introductions to Emergency Medicine and Trauma (1 Credit)
This rotation is designed for the senior medical student who may be applying to primary care or other specialties who wants to gain exposure to emergency medicine.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

EMED 6628 - Critical Care Transport Med (1 Credit)
The student will attend one lecture to orient them to the basic principles of critical care transport and flight medicine as well as an extended orientation to the helicopter at St. Anthony’s. During their 12-hour day with Flight for Life they will be part of the team of providers to respond to scenes or to other facilities for the transportation of critically injured patients. At the end of the course there will be a wrap-up session where we will discuss their unique experiences and reflect on what they have learned.
Prerequisite: EMED 6626 Pre-Hospital Medicine.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

EMED 6629 - Emergency Med Skills (1 Credit)
This course provides 48 hours of clinical work with an EMED attending physician with the purpose of exposing the student to the EMED environment and teaching procedural skills necessary for basic clinical care in preparation for an international experience. Restrictions: Approval by Course Director.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

EMED 6630 - Emergency Medicine in South Africa (8 Credits)
This is a 6 week clinical experience, students work in the Emergency Department of a public hospital in Cape Town, South Africa and contribute to ongoing research projects done in conjunction with Stellenbosch University. Prerequisite: Successful completion of EMED 6629. Course Restrictions: Course Director Approval.
Grading Basis: Pass/Fail with IP
Typically Offered: Summer.

EMED 6631 - Wilderness Advanced First Aid (1 Credit)
Wilderness Advanced First Aid covers skills and applied knowledge to respond to medical emergencies in austere environments. In addition, it provides students an introduction and exposure to the art of teaching and instruction.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 5.
Typically Offered: Spring.

EMED 8004 - Emergency Med Univ Hosp (4-8 Credits)
2-4 wks. Max:4. Students are primary caregivers in a level II trauma center with a variety of patients and individual teaching time with attendings and senior residents. An excellent experience for students seeking instruction in the assessment and management of the undifferentiated patient.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
EMED 8005 - Emergency Medicine DHMC (8 Credits)
This rotation is designed for the senior medical student who may be applying to primary care or other specialties who wants to gain exposure to emergency medicine.
Grading Basis: Medical School
Typically Offered: Spring.

EMED 8006 - Advanced Emergency Medicine (8 Credits)
4 wks. Max:4. Student is primary caregiver for acutely ill/injured patients at DHMC Emergency Department, supervised by Emergency Medicine Staff. Daily lectures in traumatic/medical emergencies, conferences, "board rounds". Orientation, first day, 7:30 a.m. Admin Conf room.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Summer.

EMED 8007 - Emergency Medicine Career Elective – Anschutz Campus (8 Credits)
Students will rotate through Emergency Departments at University Hospital and Children's Hospital Colorado to gain education through a broad range of Emergency Medicine experiences. This course complements and does not replace 8006 and is offered during the summer of 2020. Emergency Medicine-Bound Senior Medical Students, Course Director Approval.
Grading Basis: Medical School
Repeatable. Max Credits: 16.
Typically Offered: Summer.

EMED 8008 - Emergency Medicine Boot Camp (2-4 Credits)
Through workshops and simulation, career-bound Emergency Medicine students will gain confidence in the approach to, and management of critical illness. Students will acquire successful approaches to cross-cover situations, patient decision making capacity, application of technology and mental preparation in advance of internship. Requisite: Emergency Medicine Career Bound Senior Medical Students
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 4.
Typically Offered: Spring.

EMED 8010 - Climate Change and Medicine (4 Credits)
Climate change has profound impacts on health including food insecurity, degraded air quality, civil unrest, and changes in vector-borne disease. This course explores the physiologic, ecologic and social interactions resulting in these impacts and provides a foundation in climate med and skills in science communication, policy and advocacy.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

EMED 8011 - Advanced EM URM (8 Credits)
Purpose: Guide and support medical students from URM groups who have an interest in Emergency Medicine.
Grading Basis: Medical School
Typically Offered: Fall, Summer.

EMED 8012 - Virtual EM DHREM (4 Credits)
An entirely virtual EM education experience for senior medical students pursuing EM as a career. Through virtual platforms and engaging interactive education sessions with our residents and EM faculty from Denver Health and the University of Colorado we will explore elements and themes that represent the essence of Emergency Medicine. Completion of major clinical year.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

EMED 8017 - Peds Emergency DHMC (4-8 Credits)
2 or 4 wks. Max: 2. Students will serve as the primary caregivers in the Denver Emergency Center for Children at Denver Health, a pediatric emergency department treating 30,000 children annually. Students will be fully integrated into the team, treating children with acute and urgent illnesses.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

EMED 8024 - Clinical Toxicology (8 Credits)
4 wks. Max:2. Provides an introduction to medical toxicology at the RMPCD. Student will participate in clinical service including telephone consultation, fundamentals of environmental toxicology, public health concerns, and occupational toxicology. Each student will make one presentation toward the end of their rotation.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

EMED 8030 - Rural Emergency Medicine (4-8 Credits)
A continuation of the Emergency Care Clerkship, currently a two-week required component of Phase III study. This course is for students who seek more in-depth knowledge and additional clinical skills, relating to Emergency Care in the rural setting.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 84.
Typically Offered: Fall, Spring, Summer.

EMED 8031 - Wilderness Medicine (4 Credits)
2 wks. Min:10/Max:25. Students will learn core wilderness medicine principles in small group and lecture-based formats then apply their knowledge to scenarios in wilderness settings. The course will spend the first week near Estes Park and the second week near Moab, UT. Restrictions: Must be a 4th year student in good academic standing. Not available to externs. Variable fee. Course offered sections 47 and 48 only.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

EMED 8050 - Emergency Medicine – Colorado Springs (4-8 Credits)
Students will work with Emergency Medicine clinical faculty seeing patients in Colorado Springs’ community-based Emergency Dept. Student will be exposed to the full range of Emergency Medicine. Course offered all semesters except sections 9-13 in 4th year.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

EMED 8100 - EMED Elective Away (4-8 Credits)
This Emergency Medicine elective will be held at a site in Colorado, another state or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites require approval by the Student Affairs Office. This elective is for students who have successfully completed an advanced clinical rotation at DHMC and seek more in-depth knowledge and additional clinical skills.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

EMED 8600 - Research EMED (4-24 Credits)
Designed for students interested in Emergency Medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with course director to design this elective.
Offered 4, 8, or 12 weeks. Mex enroll: 4.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.
EMED 8630 - EMED Research Away (4-8 Credits)
This Emergency Medicine research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be approved by Student Affairs. 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

FMMD 6001 - Introduction to Primary Care Sports Medicine (1 Credit)
In order to increase exposure to the field of Primary Care Sports Medicine, students will participate in community-based athletic coverage with faculty in the Division of Primary Care Sports Medicine. The course runs from fall to spring. Phase I and II students can take course
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

FMMD 6624 - Intro to Homeless Healthcare (1 Credit)
This course introduces students to healthcare of Denver's homeless through a homeless healthcare workshop and clinical care at the Stout Street Health Center. Must be available on Thursdays to complete required clinical sessions. Phase I and II students can enroll
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

FMMD 6628 - Rural Track Elective (1 Credit)
The course goal is to increase the number of students who eventually enter and remain in practice in rural Colorado. The track provides students with mentorship, additional knowledge, broad skills and rural socialization experiences throughout the 4 years of school. Prereq: Students must have been accepted in the Rural Track or course director approval to add. Course restrictions: A two-semester course, students must complete fall and spring semesters.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

FMMD 6630 - Summer Rural Track (8 Credits)
Min: 1 / Max: 26. In this 4-week clinical experience students will live in a preceptor's community and participate in the professional and community life of a rural physician. Priority is given to students who have completed Rural Track elective FMMD 6628.
Grading Basis: Medical School
Typically Offered: Summer.

FMMD 8002 - UC Health Fam Med AI (8 Credits)
Offered all sections. 4 wks. Max: 1. Experience CU Family Medicine!
Students will be members of the inpatient service team at the Anschutz Inpatient Pavilion, take call, and will spend 2 half days per week at the A.F. Williams Family Medicine Center (outpatient clinic).
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8007 - Out-Patient Family Med (8 Credits)
Offered all sections. 4 wks. Max: 1. Course is an outpatient family medicine at A.F. Williams Family Medicine Center and Denver Health's Lowry Family Medicine Clinic. Multidisciplinary faculty including pharmacologists, behavioral scientist, and experienced family physicians and residents caring for a diverse group of patients.
Grading Basis: Medical School

FMMD 8008 - Occup/Envir Med In FMMD (4-8 Credits)
Offered all sections. 2 - 4 wks. Students will learn principles of Occupational and Environmental Medicine. A variety of assessments ranging from sport physicals, commercial/FAA exams to complex disability evaluations will be taught. Elective taught by Drs. Stephen Gray or James Bachman. Prereq: Course director approval required to add this elective.
Grading Basis: Medical School
Repeatable. Max Credits: 8.

FMMD 8012 - Oral Health: Acute Dental (4 Credits)
2 wks. Max: 4. The focus of this elective is on recognition, assessment, triage and treatment of acute dental problems such as pain, infection and trauma. Students interested in rural or underserved primary care practice should take this elective. Prereq: 4th year medical student.
Restrictions: This elective is offered only at selected times, students must communicate with Course Director about what times are available. It will not be offered in June, July, August, or December.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

FMMD 8017 - Northern CO Fam Med/OB AI (8 Credits)
Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team with daily tasks, while participating in the care of hospitalized adults, patients in OB triage, labor & delivery, postpartum, & normal newborn. 2wks inpt medicine, 2wks OB/Newborn.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8018 - St. Joseph-Brunner FMC AI (8 Credits)
At the SJH FM Residency, the sub-intern will engage in both inpatient and outpatient clinical care. They will be an integral part of the Family Medicine Service during their inpatient weeks. The outpatient time will occur in the residency clinic, serving an urban, under-served patient population in Denver and surrounding areas.
Grading Basis: Medical School
Typically Offered: Spring, Summer.

FMMD 8019 - St Anthony Nth Fam Med Med AI (8 Credits)
Students will engage in outpatient and inpatient care during this sub-internship at a Colorado family medicine residency. You will be supervised by the senior resident or faculty attending while on this rotation. This rotation is split into Inpatient, OB if desired, and outpatient clinics.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8020 - St. Mary's Family Med AI (8 Credits)
Students will practice as a PGY-1 on this Sub-I. The schedule includes 2 wks admitting and rounding on the teaching service, 1 wk of night float with a focus on independence, cross-cover, and evening ICU & Peds rounds, and 1 wk of the family med clinic, a fully-integrated PCMH. Faculty attendings give individual attention to learning.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8021 - Southern CO Family Med AI (8 Credits)
During the Sub-I at the Southern CO Family Medicine residency, students will work with 2 interns and 2 upper level residents on the inpatient medicine service, with some opportunities to cross-cover on pediatrics & obstetrics. Several half-days per week, the student will be able to attend High-Risk OB and specialty outpatient clinics.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
FMMD 8022 - Swedish Family Medicine AI (8 Credits)
Students will engage in outpatient and inpatient care during this sub-internship at the Swedish family medicine residency. Students will work with residents and faculty in the out-patient clinic, on the Inpatient Service, in the nursing home and at the school-based clinic.
Grading Basis: Medical School
Typically Offered: Fall, Summer.

FMMD 8023 - Fort Collins Family Med Al (8 Credits)
We provide students with exposure to full scope family medicine. Our Sub-I includes 3 weeks of inpatient medicine, seeing patients on the medicine, pediatrics and Ob services. There is 1 week of outpatient, where Sub-I will see adults, children, and prenatal patients; and do nursing home visits, procedures, and other specialty care clinics.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8024 - NCFM – Wray Med/Ob AI (8 Credits)
Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team, while longitudinally participating in the care of patients between the ED, hospital, labor & delivery, and clinic. Requires commitment to participating in care over multiple settings. Pre-requisite: Open to students interested in pursuing a career in family medicine with specific interest in full-spectrum and rural family medicine.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8025 - NCFM – Sterling Med/Ob AI (8 Credits)
Students work with family medicine faculty & residents while acting as the primary provider for several patients daily. Students see patients & assist team, while longitudinally participating in the care of patients between the ED, hospital, labor & delivery, and clinic. Requires commitment to participating in care over multiple settings. Pre-requisite: Open to students interested in pursuing a career in family medicine with specific interest in full-spectrum and rural family medicine.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

FMMD 8100 - FMMD Elective Away (4-8 Credits)
This Family Medicine elective will be held at a site in Colorado or another state. Students must obtain departmental approval one month prior to the start. 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

FMMD 8600 - Research in FMMD (4-24 Credits)
Students may participate in scholarly work directed by specific Family Medicine faculty members including practice-based research, curriculum development, patient education projects, and other scholarly activities. A DF, MSA or research mentor must supervise and are responsible for evaluations.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

IDPT 5001 - Human Body (7 Credits)
Human Body covers the anatomy and embryology of the back, extremities, trunk, head and neck. Students will dissect human cadavers and study computer generated cross-sections and radiological images. Clinical case discussions will be integrated with physical exam material.
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 5002 - Molecules to Medicine (8 Credits)
Molecules to medicine is an integrated approach to cell biology, biochemistry, molecular biology and human genetics presented in a context that emphasizes clinical issues.
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 5003 - Blood and Lymph (4 Credits)
Blood and Lymph covers the basic and clinical concepts underlying immunology, hematology, rheumatology, and malignancies of the blood. Histology, genetics, biochemistry, and ethical issues are integrated into the course concepts. Contact hours are divided equally between lecture and discussion groups.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 5004 - Disease and Defense (5 Credits)
Course covers principles of biometics, pharmacology, pathology and infectious disease. Topics include mechanisms of tissue damage and repair. Dermatology is presented as an “Organ System”, including structural and function, pathology, pathophysiology and pharmacology.
Grading Basis: Letter Grade with IP
Typically Offered: Spring.

IDPT 5005 - Cardiovascular/Pul/Renal (9.5 Credits)
Course is an interdisciplinary approach to the cardiovascular, pulmonary, and renal systems, including anatomy, histology, physiology, pathophysiology, pathology, pharmacology, and development. Emphasis is on how the major organs work together to regulate blood pressure and fluid, electrolyte, and acid-base balance.
Grading Basis: Letter Grade
Typically Offered: Spring.

IDPT 5010 - First Course (1 Credit)
This immersive course provides students with basic tools needed to begin medical school with confidence and success. It will encourage curious, life-long learning, foster commitment to serve the profession, our patients & society, and begin the development of physician leaders capable of transforming the health of diverse communities.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 5016 - Foundational Principles (9 Credits)
Introductory science content is encapsulated into a solid foundation upon which to construct more complex medical sciences knowledge while advancing students’ professional competencies. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.
IDPT 5017 - Hematologic & Lymphatic Systems (5 Credits)
This course focuses on the basic science and clinical concepts underlying the origin, development, normal function, and related hematologic and immunologic disease states. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 5018 - Gastrointestinal System (7 Credits)
Clinical and basic science topics related to the normal function and diseases of the gastrointestinal tract and accessory organs will be merged with an overview of nutrient metabolism. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 5019 - Pulmonary & Cardiovascular Systems (10 Credits)
Fundamentals of physiology, pharmacology, immunology, and anatomy will dovetail into the pathophysiology of pulmonary and cardiovascular diseases to facilitate diagnosis and treatment. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 5020 - COMPASS (1.5-2.5 Credits)
COMPASS is a program developed to inspire and support students in maximizing their personal and professional potential. Students will complete comprehensive assessments of their clinical skills and medical knowledge and participate in activities and coaching to support their own professional growth and development.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 5021 - Renal & Urinary Systems (7 Credits)
This course encompasses normal physiology, histology and anatomy as well as the pathophysiologic dysfunction and pharmacology of the renal & urinary systems. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 5022 - Nervous System (8 Credits)
A foundational, interdisciplinary approach to nervous system structure and function in health and disease will include neuroanatomy, pathophysiology, and pharmacology, among others. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 5023 - Musculoskeletal & Integumentary Systems (7 Credits)
This interdisciplinary course incorporates the anatomy, physiology and histology of skin, muscle, bone, peripheral nerves, cartilage, and ligaments with associated clinical conditions. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 5024 - Mind & Behavior (5 Credits)
This course introduces the interplay between the biological, developmental, environmental, and psychological processes underlying human behavior, cognition, and emotions. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Summer.

IDPT 5025 - Endocrine & Metabolic Systems (7 Credits)
Biochemistry, pathology, physiology, immunology, and pharmacology are combined with the clinical approach to diagnosis and treatment of disorders of the endocrine system. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Summer.

IDPT 5026 - Reproductive System & Life Cycle (9 Credits)
The development, physiology, pathology, and pharmacology of the male and female reproductive systems are addressed along with changes in health and wellness across the lifespan. Integrated Health & Society and Clinical Skills content will develop students’ knowledge and skills to provide effective, equitable patient-centered care.
Grading Basis: Pass/Fail with IP
Typically Offered: Summer.

IDPT 5090 - Mentored Scholarship I (1 Credit)
A four year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic and clinical research; epidemiology and public health; humanities and social sciences.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 5095 - Research Track Phase I (1 Credit)
Students complete training in citation manager software and initiate mentor-guided research. Prerequisite: Required if enrolled in Research Track. Instructor consent required. Course Restrictions: Must be a Research Track Student, this course replaces Mentored Scholarship requirement.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 5096 - Summer Research Phase I (1 Credit)
This course is for students desiring to do research at CU or other institutions during the summer in between first and second year.
Grading Basis: Pass/Fail with IP
Typically Offered: Summer.

IDPT 6000 - Foundations Doctoring II (2 Credits)
This course is the second year of the longitudinal Foundations of Doctoring curriculum. Each week, students spend one afternoon either learning communication/physical exam skills/professionalism on campus or practicing their clinical skills with a preceptor off campus.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 6001 - Nervous System (7.5 Credits)
Course covers the gross and microscopic anatomy of the nervous system, basic neurobiology and neurophysiology, pharmacology, neuropathology, and basic neurologic and psychiatric examination skills. Emphasis is on the relationship between basic processes and functional systems to clinical phenomena and behavior.
Grading Basis: Medical School
Typically Offered: Fall.
IDPT 6002 - Digest/Endo/Metaboli Sys (9.5 Credits)
This interdisciplinary course integrates clinical and basic science topics related to the normal function and diseases of the gastrointestinal and endocrine systems. The biochemistry and physiology of nutrient metabolism in health and disease will also be covered.
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 6003 - Life Cycle (5 Credits)
Course provides an interdisciplinary approach to the normal biology and pathobiology of the male and female reproductive systems, reproduction and pregnancy, the fetus, newborn and child, aging, and end of life.
Clinical cases and physical examination will be integrated throughout.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 6004 - Infectious Disease (4.5 Credits)
This course integrates microbiology, infectious diseases, and antimicrobial pharmacology. Content covers pathogenic microorganisms (bacteria, viruses, fungi and parasites), host-pathogen interactions, microbial virulence determinants, host immune responses, signs and symptoms of disease presentation, epidemiology, laboratory diagnosis, prevention (vaccines) and therapy (antimicrobials).
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 6006 - Obesity and Cardiovascular Disease (1 Credit)
The course will cover how obesity relates to cardiovascular disease including basic and clinical mechanisms on the pathophysiology of vascular biology, insulin resistance, risk factors, and outcomes, and how therapeutic interventions modify cardiovascular disease risk.
Requirements: Course will span two semesters, Fall and then Spring.
Grading Basis: Letter Grade
Typically Offered: Fall, Spring.

IDPT 6010 - Spark Patient Change with Motivational Interviewing (1 Credit)
Students will learn and practice practical techniques to motivate patients to change their behaviors (e.g. smoking cessation, healthy eating, physical activity). This elective will help students prepare for patient interviews during preceptor, clinical rotations, and their future career.
Course available to Phase I and II students.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 6020 - Community Engagement Innovation (1 Credit)
Transform the community into a classroom by partnering with community organizations to learn advocacy, population health, leadership, cultural competence and resilience. Students will work with the community—instead of for or in the community—with experiential learning supplemented by guided reflection, coaching, and peer-led workshops.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 5.
Typically Offered: Fall, Spring, Summer.

IDPT 6090 - Mentored Scholarship II (1 Credit)
A four year requirement for students to pursue and complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, epidemiology and public health, humanities and social sciences.
Grading Basis: Medical School
Repeatable. Max Credits: 1.
Typically Offered: Fall, Spring, Summer.

IDPT 6095 - Research Track Phase II (1 Credit)
1. Demonstrate progress towards the completion of your research project and publicly communicate understanding of the project to others.
P) Present WIP to peers and faculty in an oral presentation. b. Effectively respond to comments and questions from peers about your research efforts c. Identify scientific questions when others present Prerequisite: Required if enrolled in Research Track. Instructor consent required.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 6614 - Introduction to Clinical Ultrasound (1 Credit)
Students will be introduced to ultrasound scanning techniques to perform four of the primary clinical ultrasound exams - gallbladder, heart, aorta, soft tissue/musculoskeletal. Online modules and hands-on practice will be used in this course. Course restricted to Phase II students only.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 6618 - Charting Your Career Path (1 Credit)
The course is based on vocational theory and includes opportunities to learn about yourself and your interests, values, personality, and skills to support career decision-making. Students will take the Myers-Briggs Type Indicator, complete self-assessment activities on the CIM website, and explore career options through shadowing. Phase I students only.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 6623 - Refugee and Immigrant Health I (1 Credit)
Students will learn about the integration process that refugees go through and common medical and mental health diagnoses they receive. Discussions, panels, and lectures will prepare students to provide culturally effective medicine to any population.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 6625 - Personalized Medicine in Health Care (2 Credits)
This interactive seminar series will introduce the concepts of “big data” applied to research, health care and education. Participants will gain a basic understanding of this rapidly emerging field through discussion and exploration of examples and critical issues with campus analytics leaders.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 6629 - Sabes Spanish Immersion (1 Credit)
SABES is a student-led course that meets on campus, October through mid-March. Sessions focus on improving vocabulary and grammar and strengthening medical Spanish language skills. There are 4 classes, to accommodate all ability levels. Students have the opportunity to practice taking medical histories with native Spanish speakers.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 6630 - Spanish Interpretation (1 Credit)
This course if for Phase I & II students. This course will equip students who have prior Spanish proficiency with vocabulary, skills, and ethical practices of Spanish medical interpretation. Students partake in a 10-week course, and if they successfully pass the certification exam, will interpret in the student-run DAWN Clinic. Prerequisite: Must pass proficiency exam or have successfully completed the SABES course.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.
IDPT 6631 - Mindful Living: Practice of Purposeful and Non-Judgment (1 Credit)
This course is designed to explore the meaning of mindfulness in everyday life by developing self-awareness, emotional resilience, appreciation of life, and a sense of well-being. Students participate in activities such as meditation, reflective journaling, discussion, and applying mindfulness to music, nature walks, and relationships. Phase I & II students
Grading Basis: Medical School
Typically Offered: Summer.

IDPT 6636 - Summer Preceptor Exp (1 Credit)
The Summer Preceptorship is a clinical elective designed for students between their first and second year of medical school. It may take place in the hospital or in a clinic one afternoon or morning a week during the summer semester. Course requirement: Course director approval required to add course.
Grading Basis: Medical School
Typically Offered: Summer.

IDPT 6637 - LEADS 1 (2 Credits)
Max: 20. The course will include monthly seminars and be divided into four thematic sections. Seminar speakers are primarily engaged in leadership/advocacy work in health care. The themes will be further explored by case-based, small group sessions. Elective required for LEADS scholars. Restrictions: Phase 1 students only.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 6647 - LEADS 2 (1 Credit)
Advocacy and Leadership skills applied in case-study. Prereq: IDPT 6637 LEADS 1-Spring Semester Elective. Elective Restrictions: Students who wish to enroll without having completed the spring course in Phase 1 may petition to course director if space allows. Phase 2 students only. 9 wks.
Min:10 Max: 20.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 6650 - Leadership Competencies for Physicians (1 Credit)
This course will engage current medical students in active learning of the knowledge, skills, attitudes and behaviors necessary for embracing conflict and ensuring success and happiness as a 21st Century physician leader. Students will learn how to improve their emotional intelligence and conflict management skills.
Grading Basis: Pass/Fail Only
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

IDPT 6665 - Introduction to Global Health (1 Credit)
This course, required for Global Health Track students, gives a broad overview of important issues in global health, e.g., the HIV epidemic, maternal-child health, humanitarian assistance, clean water and sanitation. Pass/fail based on attendance and final project (1- pager).
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 6667 - Global Health Studies (US) (10 Credits)
Students and their faculty preceptors will develop a global health project focused on research, education, or community health service. After their project with a global health organization, students will provide a written report and an oral presentation of their project. Course restrictions: Must be enrolled in the Global Health Track.
Grading Basis: Medical School
Typically Offered: Summer.

IDPT 6668 - Global Health Study Aboard (10 Credits)
Prior to travel, students and their faculty preceptors will develop a global health project focused on international research, education, or community health service. After their stay abroad, students will provide a written report and an oral presentation of their project. Course restrictions: Must be enrolled in the Global Health Track.
Grading Basis: Medical School
Typically Offered: Summer.

IDPT 6669 - Global Health Seminar (1 Credit)
This is a required course for Global Health Track students. This course will help students design and implement their global health projects by addressing the basics of project design, survey development, data collection and analysis.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 6671 - Urban Underserved Care (1 Credit)
This course, required for all CU-UNITE Urban Track students, is an introduction to important issues in urban underserved health care. Topics include: health disparities, mental health, substance abuse, and care for specific populations such as the homeless and refugee population. Max 30
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 6672 - Urban Underserved Care 2 (1 Credit)
This CU-UNITE required elective is an advanced course regarding issues in urban underserved health care. Topics: Procedural skills development, an interdisciplinary service learning project in the community, discussion of personal qualities needed for serving urban, underserved populations and provider wellness. Restrictions: Only for CU-UNITE/Urban Underserved Track students.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 7001 - Integrated Clinicians 1 (2 Credits)
Course offered spring semester prior to beginning Phase III clerkship blocks. The course is designed to assist with the transition to the clerkship blocks. Course material will provide students with reinforcement of the fundamental physical exam and presentation skills and important information about the clinical courses.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 7002 - Integrated Clinicians 2 (2 Credits)
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science, and thread material that is vital to doctoring, but underrepresented in the clinical blocks. 1 week.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 7003 - Integrated Clinicians 3 (4 Credits)
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science, and thread material that is vital to doctoring, but underrepresented in the clinical blocks. 2 weeks.
Grading Basis: Medical School
Repeatable. Max Credits: 4.
Typically Offered: Spring.
IDPT 7009 - LGBT Health Elective (8 Credits)
The course provides health professional students the basic knowledge and skills to provide culturally responsive, clinically competent care to lesbian, gay, bisexual, and transgender (LGBT) patients.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7010 - Hospitalized Adult Care (16 Credits)
Eight week block focused on the care of the adult inpatient. Students are assigned to two sites, each for 4 weeks: University of Colorado Hospital, Denver Health, Presbyterian St. Luke’s, Veterans Affairs Medical Center, Exempla St. Joseph’s, Rose Medical Center.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7012 - Longitudinal Integrated Clerkship (2 Credits)
This is a multidisciplinary course required of students participating in the LIC. Focus will be on group learning, community involvement, and provision of health care to an urban underserved population. Department Consent Required.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring, Summer.

IDPT 7013 - Longitudinal Internal Medicine (LIC) (4-6 Credits)
This course introduces adult medicine with emphasis on acute illness, chronic disease management, and preventive care. Students will combine inpatient and ambulatory experiences. Department Consent Required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7020 - Infant/Adolescent Care (12 Credits)
This block introduces clinical objectives to achieve competency in pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine hospital and ambulatory experiences in Denver and other Colorado communities.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7022 - LIC Pediatrics (4 Credits)
This course introduces pediatric medicine, emphasizing illness and wellness of children and families, growth, development, physical and mental well-being. Students combine inpatient, nursery, and ambulatory experiences. Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 4.
Typically Offered: Fall, Spring, Summer.

IDPT 7030 - Obstetrics and Gynecology (8 Credits)
Students will work in OB/GYN clinics, labor and delivery, OB and GYN wards, and the O.R. They will learn a newborn exam and fundamentals of newborn care. Course offered at University Hospital, Denver Health Medical Center or an AHEC site.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7031 - Emergency Care (4 Credits)
An introduction to the initial evaluation and management of emergently presenting problems in adults and children. Emphasis on recognition, differential diagnosis, and stabilization of shock and trauma. Students will also be exposed to pre-hospital care and concepts of triage.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7032 - Longitudinal Obstetrics/Gynecology (LIC) (2-6 Credits)
This course focuses on care of women in OB/GYN clinics, labor and delivery, OB and GYN wards, and the operating room. Additionally, students will learn a newborn exam and fundamentals of newborn care. Department Consent Required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7033 - Longitudinal Emergency Med (LIC) (1-2 Credits)
This course will provide an introduction to the initial evaluation and management of emergently presenting problems in adults and children. Emphasis will be on disease recognition, differential diagnosis, and stabilization of shock and trauma, as well as pre-hospital care and concepts of triage. Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring, Summer.

IDPT 7040 - Psychiatric Care (8 Credits)
Students will work closely with attendings and residents to care for adults and/or children. Students have a choice of twelve (12) unique clinical settings including emergency department, consult service, inpatient and outpatient.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7041 - Neurologic Care (4-8 Credits)
Students will participate in the diagnosis and treatment of patients with a wide variety of acute and chronic neurologic disorders. Formal teaching is provided in Attending Rounds, student seminars, resident seminars and departmental Grand Rounds.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7042 - Longitudinal Psychiatry (LIC) (2-4 Credits)
This course will focus on psychiatric care of adults and children, and clinical experiences will include ambulatory settings, inpatient units, psychiatric emergency room, consults, and psychiatric specialties.
Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 4.
Typically Offered: Fall, Spring, Summer.

IDPT 7043 - Longitudinal Neurology (LIC) (2-4 Credits)
This course focuses on the diagnosis and treatment of patients with a wide variety of acute and chronic neurologic disorders. Students will participate in inpatient and ambulatory care settings. Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 7050 - Peri/Operative Care (16 Credits)
While gaining experience in surgery and anesthesiology, students study surgical diseases and participate in the operative care and delivery of anesthesia during the peri-operative period. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
IDPT 7052 - Longitudinal Surgery/Anesthesia (LIC) (2-10 Credits)
This course focuses on surgical diseases. Students will participate in operative care and delivery of anesthesia. Assessment and management of common inpatient and ambulatory procedures are emphasized from initial patient referral to discharge. Students will combine ambulatory, inpatient and operating room experiences. Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 10.
Typically Offered: Fall, Spring, Summer.

IDPT 7054 - Interventional Radiology - (Denver Health) (8 Credits)
A hands on clinical rotation with the IR section at Denver Health. This rotation exposes students to all aspects of IR including procedural skills, patient encounters, and targeted medical imaging interpretation. A useful course for students entering any field that interact with IR, as well as students considering a career in Radiology.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7055 - Telehealth Selective Rotation (8 Credits)
An exploratory course offering a broad array of telehealth experiences such as virtual urgent care, psychiatry, dermatology, stroke. Opportunities will be offered for independent study, scholarly projects and inclusion in business and innovation aspects of telehealth. Prerequisites: Pre-Clinical Rotation Coursework Complete.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7056 - Emergency Medicine Elective for Phase 3 Students (8 Credits)
A 4 week course designed to enhance a student's knowledge regarding emergency medicine by completing clinical shifts in multiple emergency departments. In addition, students will complete shifts with other subspecialty and adjunct services which help provide care for patients in the emergency department.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7057 - Integrative Musculoskeletal Medicine (8 Credits)
This course includes experiences in: PM&R, rheumatology, primary care sports medicine, radiology and will focus on outpatient MSK care including patient presentations, exam, testing and treatment. Managing MSK conditions is essential for practice in internal medicine, family practice, emergency medicine, pediatrics, among others.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7058 - Ophthalmology (8 Credits)
This course is intended to introduce medical students to the clinical practice of ophthalmology. The course will provide exposure to numerous sub-specialties within the field, allowing students to shadow within ophthalmology departments at the University of Colorado, Children's Hospital, the VA, and Denver Health. Prerequisites: Phase III Students Only.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7059 - Anesthesiology Selective (UH) (8 Credits)
Students will gain knowledge and skills related to the clinical practice of anesthesiology working as part of the anesthesiology team. Knowledge gained will pertain to pre-operative assessment and optimization, intraoperative and post-operative care. Skills gained will relate to vascular access, airway, pressors, ventilators and more.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 7062 - Longitudinal Family Medicine (LIC) (4 Credits)
This course focuses on chronic ambulatory care of adults and children. Students will participate in the provision of comprehensive patient-centered primary care to underserved communities and will focus on longitudinal acute and chronic disease management, prevention and health behavioral change. Department Consent Required.
Grading Basis: Medical School
Repeatable. Max Credits: 4.
Typically Offered: Fall, Spring, Summer.

IDPT 7070 - Community and Primary Care (16 Credits)
Students will be immersed in a primary care setting and experience a broad scope of care in the context of the communities in which patients live. This course emphasizes ambulatory clinical skills, patient-centered care, critical appraisal and application of national screening guidelines, and inter-professional collaboration.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7075 - VA Sequential Training Program (1-2 Credits)
The VA Sequential Training (VAST) Program is a 6-month clinical immersion with mixed-methods educational content focused on professional identity development, resiliency, and unique skills needed to successfully care for a Veteran population.
Grading Basis: Medical School
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring, Summer.

IDPT 7085 - Integrated Longitudinal Medicine Clerkship (2 Credits)
This is a multidisciplinary course required of students participating in the ILMC. Focus will be on supervised self-directed and team learning, community involvement, and provision of health care within a community.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 7090 - Mentored Scholarship III (1 Credit)
A four year requirement for students to complete a mentored scholarly project and capstone presentation. Projects can be in one of the following thematic areas: basic research, clinical research, global health, epidemiology and public health, humanities and social sciences.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 7095 - Research Track Phase III (1 Credit)
Students clarify and plan Phase IV process for completing Research Track requirements. Prerequisite: Required if enrolled in Research Track. Instructor consent required.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 8000 - Foundations Doctoring IV (2-4 Credits)
2.0 cr. Summer, 4.0 Fall and Spring. This course continues the established student-preceptor relationship from the FDC course. Students attend their preceptor office 2-3 times per month. Students will work with a panel of patients or families serving as their physician under the supervision of their preceptor. Prereq: IDPT 7000.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
IDPT 8001 - Tutoring in Foundations (2 Credits)
Fourth year students are trained how to be tutors and then use their skills with first and second year students learning physical exam and communication skills. Learn how to coach small groups of students, give feedback and evaluate student performance. Longitudinal course with registration that can conflict with other courses.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

IDPT 8003 - Geriatrics (8 Credits)
2-4 wks. Max: 2. Geriatrics elective will provide clinic exposure to caring for older adults in the outpatient primary care and sub-acute rehab settings. Learning objectives focus on the special needs of frail or chronically ill older adults and resources beyond direct physician care utilized for this population.
Grading Basis: Pass/Fail with IP

IDPT 8004 - Integrated Clinicians 4 (4 Credits)
Through didactic and small group sessions, the course will teach advanced clinical skills, translational basic science and thread material that is vital to doctoring, but underrepresented in the clinical blocks. 2 weeks.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 8005 - Integrated Clinicians 5 (4 Credits)
ICC 5 is a required Phase IV course that will provide you with essential learning opportunities to begin residency and your career to include ACLS, legal malpractice, teaching skills, finance, leadership skills and specialty specific clinical reviews. 2 weeks.
Grading Basis: Medical School
Typically Offered: Spring.

IDPT 8007 - Medicine/Pediatrics (4-8 Credits)
2 or 4 wks. The focus of this elective is to help students discern whether to pursue combined residency training in Internal Medicine and Pediatrics. This course will expose students to possible career paths available for Med-Peds providers within primary and specialty care settings.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.

IDPT 8011 - Clinical Nutrition (4 Credits)
2 wks. Max:1. Develop your nutrition assessment skills with this elective, tailored to your needs with adult and/or pediatric inpatients and/or outpatients with a variety of conditions and diseases. Active learning with exceptional mentors is emphasized.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

IDPT 8015 - Global Health Intl Project (8 Credits)
This course is the continuation of IDPT 6667 & 6668. Students will undertake a global health project at an international site under the supervision of their designated mentor and local supervisors.
Grading Basis: Medical School
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.

IDPT 8016 - Physician as Educator (2 Credits)
This elective is intended to develop your skills as an effective teacher in clinical and classroom settings. This will include participation in evening teaching workshops and co-precepting.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

IDPT 8018 - Global Health & Disaster (4 Credits)
This international health course is a two week training offered once a year as part of the University of Colorado School of Medicine Global Health Track. This course prepares its participants for international experiences and future global health work.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 8020 - Physician as Advisor (2 Credits)
1 wk: Physician as Advisor teaches fourth year students to advise peer students in an Advisory College Program. It will prepare students for careers in academic medicine by developing skills in advising, leadership, and administration as well as self-assessment. Longitudinal course that can conflict with other courses. This is a 2 semester course and each semester counts for 2.0 credit hours. Prerequisites: Fourth year standing and selection as a "Student Advisor" in the Advisory College Program.
Grading Basis: Medical School
Typically Offered: Fall, Spring.

IDPT 8021 - Costa Rica Spanish Immersion (4-8 Credits)
This capstone Spanish immersion course in Costa Rica includes home stays, intensive language instruction and public health and community outreach activities in under-served communities. Student should be passionate about providing care to disadvantaged patients in the USA or abroad and committed to improving their Spanish language skill. Requisite: Contact course coordinator for information. Department Consent required.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 8022 - Clinical Medical Spanish (8 Credits)
Clinical Medical Spanish is a local near-immersion experience in medical Spanish, consisting of classroom instruction in medical Spanish and immersion experiences with various Spanish speaking staff in the health care professions.
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 8023 - Refugee Health II (4-8 Credits)
Refugee health II will provide students with exposure to the social factors which impact upon the health of refugees in the Denver metro region. Students will work with agencies providing services to refugees and participate in home visits and outreach activities within community settings.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 8024 - Leadership Reading Elective (8 Credits)
This online reading elective is divided into 4 one-week modules and is designed to strengthen a student’s understanding of leadership and how it impacts patient care, professionalism, and medical organizations.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
IDPT 8025 - Clinical Ultrasound-Emergency Department-DHHA (4 Credits)
Clinician-performed US is an integral skill in many specialties. This elective enables students to gain valuable skills in acquisition and interpretation of bedside US exams. This elective involves didactic and hands-on educational opportunities. Students are required to participate in 2 scanning sessions for the SOM US curriculum. Hands-on bedside ultrasound scanning, didactic sessions, video review.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 8027 - Race in Medicine (4 Credits)
This course explores the role of racism and homogenous beliefs/values in medicine and how cultural incompetence perpetuates health disparities. Students learn about race as a social construct, theories related to class, and the impact of unconscious bias on health outcomes. The class urges students to confront discomfort in healthy ways.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 8028 - The Business of Medicine (4-8 Credits)
This interactive course enhances students’ Healthcare System Literacy, i.e. understanding how healthcare is structured, financed, and regulated. With micro- to macro-level modules, the course helps prepare students for personal practice challenges as well as for improving healthcare more broadly.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Spring.

IDPT 8029 - Trek Integrated Critical Care (8 Credits)
Course combines clinical, didactic, and Sim to teach the foundations of critical care medicine, focusing on day-1 intern readiness and creating well-rounded physicians. Topics covered include “sick vs not sick”, initial patient stabilization, circulatory and respiratory failure, mechanical ventilation, and common ICU procedures. Only for Phase IV students that have completed their required Acting Internship.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall.

IDPT 8030 - Laboratory Medicine (8 Credits)
Lecture-based elective provides a comprehensive overview of Clinical Pathology and laboratory testing. It reviews biochemical, physiologic, and pathologic phenomena on which laboratory tests are based and emphasizes approaches to the ordering, interpretation, and pitfalls of laboratory tests.
Grading Basis: Medical School
Typically Offered: Fall.

IDPT 8035 - International Experiences (4-16 Credits)
This course allows fourth year students to complete an international experience at an approved and vetted international site. The experience may include clinical work, language immersion, or a combination of both.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.

IDPT 8040 - Physician as Healthcare Improver (2 Credits)
Students complete 16 IHI Open School on-line courses to earn their Basic Certificate of Completion. Course content includes: quality improvement, patient safety, leadership, patient/family-centered care, and managing health care operations. Students also reflect on learning and implications for future career.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 8041 - Quality Improvement Practicum (4-8 Credits)
Students complete IHI Open School on-line courses in order to provide basic QI Knowledge. Students join an interprofessional team engaged in a quality improvement project.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 8053 - Medical Improvisation (2 Credits)
The Medical Improvisation elective uses interactive improvisation theater techniques to increase learner ability and confidence in patient-centered communication. Prior research has established Medical Improvisation’s suitability for both advanced and beginning clinicians and multiple medical schools have incorporated this curriculum.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 8054 - CSB Community Engagement (4 Credits)
Community Engagement provides CSB students mentorship to guide community-based collaborations and project development. Participants can advance PEAK partnerships or pioneer new collaborations. Quarterly small group “Community Lab” explores goals, outcomes, obstacles, scholarship, and reflection related to community engagement. Requisite: Students must be graduates of the Colorado Springs Branch’s COSMIC LIC program as coursework builds off of unique elements of the CSB Phase 3 curriculum.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 4.
Typically Offered: Fall, Spring.

IDPT 8055 - Immunology and Immunotherapy (4-8 Credits)
This course will investigate the cellular and molecular processes necessary to achieve an advanced understanding of how the immune system maintains balance and operates in health and disease. Recent immunotherapeutic advances that have revolutionized treatment options, such as CAR-T and checkpoint blockade, will also be examined. Only for Phase IV students
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 8056 - Global Health and Underserved Populations (4-8 Credits)
This course will cover approaches to optimize medical care of vulnerable groups living in developed (global health without travel) and underdeveloped settings (global health) taking into account large scale forces (social, economic, political) that determine who falls ill and who has access to adequate healthcare. Only for Phase IV students
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.
IDPT 8057 - Advanced Neuroscience (8 Credits)
This course will integrate advanced basic science and clinical science in the field of neuroscience. The curriculum will be designed for direct integration of neuroanatomy, neurophysiology and neuropharmacology with clinical neurology, neurosurgery, neuroradiology, and neuropsychology. Only for Phase IV students.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 8058 - Connections in Cardiovascular Medicine (4-8 Credits)
This course is designed for post-clinical year medical students who wish to enhance their ability to utilize basic scientific principles and knowledge in the practice of cardiovascular medicine. Only for Phase IV students.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

IDPT 8059 - Space Med: Human Spaceflight & Medical Risk Assessment (8 Credits)
Space Medicine: Human Spaceflight Factors & Medical Risk Assessment. This course will focus on the evidence based medicine process to quantify medical risk of both common and space-specific conditions, as well as include a longitudinal curriculum on space medicine, taught by NASA physicians based at the Johnson Space Center in Houston.
Grading Basis: Pass/Fail Only
Typically Offered: Fall, Spring, Summer.

IDPT 8090 - Mentored Scholarship IV (1 Credit)
A four year requirement for students to complete a mentored scholarly project and a capstone presentation. Project can be in one of the following thematic areas: basic research, clinical research, global health, epidemiology and public health, humanities and social sciences.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 8091 - MSA Phase IV Preparation (8 Credits)
Students work intensively with mentors on their chosen MSA Project. Students critically review background literature, define a question/hypothesis, develop and implement methods and study design, collect data, analyze and interpret data, and submit written progress reports for their MSA Project. Prereq: MSA form required. Prior approval of Associate Dean for Student Affairs, Mentor, and Course Director required.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 8093 - IDPT Scholarly Activity (8 Credits)
This course is designed to allow students to complete scholarly work not appropriately covered by other available courses (e.g. MSA work beyond IDPT 8091). 4 weeks. Cannot be taken after section 47. Prereq: Special permission and individual arrangements required in advance. Student must have a faculty/project mentor who will sign off on the project. Student must receive prior approval from Assoc. Dean for Student Affairs.
Grading Basis: Medical School
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.

IDPT 8095 - Research Track Phase IV (1 Credit)
Students complete requirements for Research Track which includes submission to a national scientific journal of a first author manuscript which meets mentor-standards as appropriate for submission. Students will present their work at the Capstone event. Prerequisite: Required if enrolled in Research Track. Instructor consent required.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

IDPT 8096 - Research Track, Research I (8 Credits)
The first of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication. Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. Course Director approval required. 4 weeks.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 8097 - Research Track, Research II (8 Credits)
The second of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication. Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. May be repeated once as an elective. Prereq: IDPT 8096. Course Director approval required. 4 weeks.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IDPT 8601 - Research Track, Research I (8 Credits)
The first of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication. Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. Course Director approval required. 4 weeks.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

IDPT 8602 - Research Track, Research II (8 Credits)
The second of two courses for Phase IV Research Track medical students. Students are expected to spend full time working on their research project and towards the Track required goals of submitting an abstract and a first-author publication. Restrictions: Limited to and required for Phase IV (MS4) medical students who are in good standing in the Research Track. May be repeated once as an elective. Prereq: IDPT 8096. Course Director approval required. 4 weeks.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

IPED 5002 - Interprofessional Education and Development I (1 Credit)
This course develops core competencies in teamwork and collaboration, values and ethics, and quality and safety for first-year health professions students. The course will be taught in a team-based format requiring individual preparation before each session followed by the application of that learning in through team-based activities.
Grading Basis: Pass/Fail Only
Repeatable. Max Credits: 1.
Typically Offered: Spring.

IPED 6001 - Interprofessional Education and Development II (1 Credit)
This course develops core competencies in teamwork and collaboration, values and ethics, and quality and safety for first-year health professions students. The course will be taught in a team-based format requiring individual preparation before each session followed by the application of that learning in through team-based activities.
Grading Basis: Pass/Fail Only
Repeatable. Max Credits: 1.
Typically Offered: Fall.

MEDS 6050 - Mission Medical Clinic Colorado Springs (2 Credits)
Learn about healthcare for vulnerable patients in Southern Colorado via volunteerism at Mission Medical Clinic, a “free clinic” in Colorado Springs. Students will serve as volunteer clinicians providing mentored primary care to adults lacking medical insurance.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 10.
Typically Offered: Fall, Spring, Summer.
Meds 7005 - Palliative Care Third Year Selective (8 Credits)
This is an introduction to hospice and palliative care. Students will explore the physical, social, psychological, and spiritual aspects of patient care for the terminally ill and learn how value-based goals of care are elicited from discussions and acute symptom control in the patient with serious illness.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

Meds 8001 - Medicine AI (8 Credits)
4 wks. Max:18. This course can meet Sub-I qualifications. The sub-intern functions as an intern and is responsible for the admission, evaluation, and continuing care of patients under the supervision of a Resident and an Attending. Subinternships are offered at DHMC, P/SL, UCH, VAMC, and St. Joseph's Hospital.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Meds 8002 - Hospital Medicine AI (8 Credits)
Experience hospitalist medicine first hand by working one-on-one with an attending and developing a quality improvement initiative. You will also gain the skills to excel from the start of intern year by being the primary provider for your patients. This Sub-I course meets the CU SOM requirement for graduation.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Meds 8004 - Cardiology (4 Credits)
4 wks. Designed to offer a broad general exposure to adult cardiology, including history, physical examination, and an introduction and review of standard noninvasive testing. Rotations will be at UCH, DVAMC and DHMC with assignments based on timing of request and availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Meds 8005 - Cardiac Diagnostic Skills (4 Credits)
2 wks. Max:6. Course is at Exempla St. Joseph Hospital. Goals are to improve cardiac physical diagnosis skills, interpret EKG findings, recognize abnormal heart sounds and murmurs; and analyze cardiac chest x-ray findings. Includes didactic sessions and home study.
Restrictions: Course may only be added during adrop/add time.
Grading Basis: Medical School
Repeatable. Max Credits: 8.

Meds 8006 - Allergy/Clin Immunology (4-8 Credits)
4 wks. Max:1. Offered at UH and NJMC. Allergy and clinical immunology with direct patient contact in allergy and immunology clinics. Opportunities to participate in inpatient consultations, observe clinical immunology laboratory techniques, and library research. Prereq: Course Director approval required to add course.
Grading Basis: Medical School

Meds 8007 - Clinical Renal (4-8 Credits)
4 wks. Max:4. A four-week elective course in electrolyte, hypertensive, acute and chronic renal failure, glomerular (including diabetes) disorders, and hospital services. The students will see consults on all services, learn to maintain and analyze flow sheets, and review problems with residents and fellows.
Grading Basis: Medical School

Meds 8009 - Clin Infectious Diseases (4-8 Credits)
2-4 wks. Max:4. UCH and DHMC. Hospital assigned. Hospitalized patients with a variety of infectious diseases are available for study. Diagnosis, pathophysiology, immunology, epidemiology, and management, including use of anti-microbial agents are emphasized. Students attend and participate in ward rounds and conferences. Prereq: Completion of core requirements for 3rd year students. Restrictions: Accept 4th year students only. Note: a 2 week elective maybe available. Student must make arrangements with Student Affairs and be pre-approved by Program Director before being confirmed to take elective course.
Grading Basis: Medical School
Repeatable. Max Credits: 16.

Meds 8010 - Clin Gastroenterology (4-8 Credits)
4-12 wks. Max:2. Students will participate in work up of both hospitalized and ambulatory patients with gastrointestinal (GI) illnesses. GI pathophysiology will be emphasized. Students attend weekly conferences in clinical gastroenterology, radiology and pathology. They are invited to observe procedures. Hospital is assigned.
Grading Basis: Medical School
Repeatable. Max Credits: 24.

Meds 8011 - Pulmonary Medicine (8 Credits)
4 wks. Max: 2. UCH, DHMC, and DVAMC. This elective offers broad experience in pulmonary and critical care medicine. Students participate in consultations, attend conferences and clinics. A wide variety of pulmonary and critical care cases are seen.
Grading Basis: Medical School

Meds 8012 - Clinical Rheumatology (8 Credits)
4 wks. Max:1. Students will learn how to recognize, diagnose, and treat common rheumatic disorders. Students will attend all formal teaching conferences in the Division of Rheumatology and attend 6 or more outpatient clinics each week. Prereq: Completion of all third year clerkships.
Grading Basis: Medical School

Meds 8013 - Endocrinology (4-8 Credits)
2-4 wks. Max:2. Introduction to evaluation and management of endocrine disorders via outpatient clinics and inpatient consults at VAMC, DHMC, and UCH. Endocrine-focused history-taking and physical examination with a complete problem-oriented approach to patient care. Multiple conferences and close interaction with fellows and attendings.
Grading Basis: Medical School
Repeatable. Max Credits: 12.

Meds 8014 - Hematology / Oncology (4-8 Credits)
2-4 wks. Max:1. Students are exposed to a wide range of patients seen in consultation for hematologic and oncologic problems. Students may also elect to attend the numerous subspecialty outpatient clinics for patients with various malignancies. Prereq: MED, OB/GYN, PED, PSCH 7000.
Grading Basis: Medical School
Repeatable. Max Credits: 12.

Meds 8015 - Care for the Under-served (8 Credits)
This elective is for students interested in Internal Medicine and care for under-served populations. Students will rotate in a clinic at Denver Health, the DAWN clinic (student-run clinic for under-served patients), and complete a healthcare disparities project.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
MEDS 8017 - Hospice/Palliative Care (4-8 Credits)
2-4 wks. Max: 1. This is an introduction to hospice and palliative care. You will become a member of the interdisciplinary team at the Hospice of Saint John, focusing on the physical, social, psychological, and spiritual aspects of patient care for the terminally ill.
Requirement: Contact Dr. Youngwerth one week prior to starting via Email Jean.Youngwerth@ucdenver.edu.
Grading Basis: Medical School
Repealable. Max Credits: 8.

MEDS 8023 - Medicine Consult (4-8 Credits)
Medicine Consult is for students interested in learning about medical issues of surgical patients and performing general medical consultations for non-acute services. This elective will be useful to the student interested in a career in hospital medicine or surgical subspecialties.
Offered for 2 or 4 weeks. Prereq: 3rd year medicine
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8025 - Medical Oncology (8-12 Credits)
4-6 wks. Max: 2. Students will learn the basic aspects of medical oncology by evaluation of patients in the general oncology and subspecialty oncology clinics. They will attend the weekly multi-disciplinary tumor conferences and fellow didactic conferences.
Grading Basis: Medical School
Repealable. Max Credits: 12.

MEDS 8032 - Corrections Health Care (4 Credits)
2 wks. Max: 1. Provide primary care to inmates in corrections facilities. Experiences include manipulative or drug-seeking patients, the interface between health care and the legal system, and issues in correctional health care (ie., HIV, TB). Prereq: One month notice needed to schedule this elective.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8034 - Critical Care St Joe's AI (8 Credits)
4 wks. Max: 2. This course can meet Sub-I qualifications. Student functions as an intern-equivalent and admits patients during overnight call every third day. Student will attend daily ICU interdisciplinary rounds and enhance skills in reporting, interpreting clinical information, communication, and patient management plans. Student will present an EMB-research clinical question.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8037 - Medical ICU - UCH (8 Credits)
This rotation will provide training in the care of critically ill ICU patients. Emphasized skills will include management of respiratory failure, hemodynamic instability, severe electrolyte abnormalities, gastrointestinal emergencies and common ICU procedures. Prereq: Sub I in Medicine or Surgery.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8038 - CAM Wellness Elective (4-8 Credits)
2 or 4 wks. Min: 2/Max: 4. In-depth exploration of CAM therapies and personal wellness will be facilitated through didactic sessions, field trips, online learning, reflection, and self-directed project. Students will work collaboratively in groups and the time will be tailored to individual goals.
Grading Basis: Medical School
Repealable. Max Credits: 8.
Typically Offered: Fall, Spring.

MEDS 8039 - AIDS and American Culture (4 Credits)
This course approaches HIV/AIDS as a biomedical, social, political, and creative phenomenon. We will investigate the discourse and images of AIDS in journalistic writing, autobiography, fiction, poetry, film, television and photography. 2 wks. Restriction: Offered Section 49 only.
Grading Basis: Medical School
Typically Offered: Spring.

MEDS 8040 - Film and Mental Illness (4 Credits)
There is a well-documented relationship between movies and psychiatry. How accurate are film depictions of psychiatric conditions? How has cinematic representations shaped our personal responses, cultural beliefs, social policies regarding the mentally ill and those who care for them? 2 wks. Restrictions: Offered Section 43 only.
Grading Basis: Medical School
Typically Offered: Spring.

MEDS 8050 - Community Hospital Medicine - Colorado Springs (4-8 Credits)
Students will work with Hosp Med faculty seeing patients on the inpatient medical wards at a busy, large community hospital. Students will be exposed to a wide range of acute medical issues in patients presenting to the hospital. Course offered all semesters accept May and December. Instructor Consent Required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8051 - Gastroenterology - Colorado Springs (4-8 Credits)
Students will work with gastroenterology clinical faculty seeing patients in the outpatient, inpatient, and endoscopy community settings. Student will be exposed to the full range of adult gastroenterologic disease. The rotation is designed for students to experience the practice and life of a community-based gastroenterologist. Instructor Consent Required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8052 - Medical Critical Care - CSB (8 Credits)
Students will work with a critical care physician and critical care team evaluating critically ill patients in consultation on the hospital wards and providing primary care to the patients in the intensive care units at a large busy community health system.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

MEDS 8053 - Adult Cardiology - CSB (4-8 Credits)
This elective provides an opportunity to learn about the history, physical exam, and diagnostic cardiac procedures of adults with heart disease by working directly with attending cardiologists in the outpatient clinic, rounding and performing consults in the hospital, and performing and interpreting cardiac testing.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring.

MEDS 8054 - Critical Care St Joe's AI (8 Credits)
Prereq: Sub I in Medicine or Surgery.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8055 - Med Critical Care (4-8 Credits)
Instructor Consent Required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

MEDS 8100 - MEDS Elective Away (4-8 Credits)
This Medicine elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Course offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repealable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.
Meds 8600 - Research in Medicine (4-24 Credits)
Typically Offered: Fall, Spring, Summer.
Repeatable. Max Credits: 24.
Grading Basis: Medical School preapproved by Student Affairs. Offered for 2 or 4 weeks.

Meds 8610 - Research Away (8-16 Credits)
Typically Offered: Fall, Spring, Summer.
Repeatable. Max Credits: 16.
Grading Basis: Medical School preapproved by Student Affairs. Course offered 2 or 4 weeks.

Neur 8000 - Advanced Neurology (4-8 Credits)
This elective offers students further clinical experience with patients who have neurologic disorders. A program is prepared at one of three teaching institutions (University of Colorado Hospital, Denver Veterans Affairs Medical Center, or Denver Health Medical Center) for this rotation. 2 or 4 wks. Max: 3. Two week rotation allowed only for special circumstances and with course director approval one month prior to beginning of course.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Neur 8100 - Neur Elective Away (4-8 Credits)
This Neurology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Course offered 2, 4, 6, or 8 weeks. This course is graded on a pass/fail basis only.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

Neur Elective Away (4-24 Credits)
Typically Offered: Fall, Spring, Summer.

Obgy 8000 - General Obstetrics AI (8 Credits)
4 weeks. Max: 1. This Sub-I course meets the UC SOM requirement for graduation. Offered at DHMC only. Includes experience in outpatient high risk obstetrics, inpatient antepartum, intrapartum, postpartum and family planning. Student works under clinical supervision of residents and attending staff.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Obgy 8001 - General Gynecology AI (8 Credits)
4 weeks. Max: 1. This Sub-I course meets the UC SOM requirement for graduation. Offered at DHMC only. Includes experience in outpatient gynecology, family planning, operative gynecology and postoperative care. Student works under supervision of residents and attending staff.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Obgy 8004 - High Risk Maternal/Fet AI (8 Credits)
4 wks. Max: 1. This course meets the UC SOM requirement for graduation. Offered at DHMC only. Includes experience in high risk obstetrics, antepartum, intrapartum, postpartum and family planning. Student attends high-risk clinics, have primary responsibility for patient care in antepartum unit under supervision of chief resident.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Obgy 8007 - UH Gynecology AI (8 Credits)
4 wks. Max: 1. This course meets the UC SOM requirement for graduation. Offered at DHMC only. Includes experience in outpatient gynecology, family planning, operative gynecology and postoperative care. Student works under supervision of residents and attending staff.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

Obgy Elective Away (4-24 Credits)
Typically Offered: Fall, Spring, Summer.

Research in Neurosurgery (4-24 Credits)
2-12 wks. A written evaluation must be sent to Dr. Michael Handler and Lauren Buckles. Prereq: Departmental approval must be obtained and all arrangements made at least one month in advance.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

NSUR 8600 - Research in Neurosurgery (4-24 Credits)
2-12 wks. Course provides an opportunity for seniors to participate in research at the clinical or basic science level. The student must consult with Dr. Horwitz or Dr. Aagaard about the varieties of options available. Course is graded on a pass/fail basis only. Restrictions: Not available sections 49-50.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

NSUR 8630 - MDS Research Away (8-16 Credits)
Typically Offered: Fall, Spring, Summer.
Repeatable. Max Credits: 24.
Grading Basis: Pass/Fail with IP
Preapproved by Student Affairs. Course offered 2 or 4 weeks.

NSUR Elective Away (4-24 Credits)
Typically Offered: Fall, Spring, Summer.

Obgy Elective Away (4-8 Credits)
This Obstetrics/Gynecology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.
ORTH 8000 - Orthopaedic Surgery AI (8-12 Credits)
2-4 wks. Max: 4. This course is designed as an elective in Orthopedic Surgery for students desiring residency training in Orthopedics or another surgical specialty. The student will function as a "sub intern" on a resident/faculty team in two hospital settings. Restrictions: Offered spring semester.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Spring.

ORTH 8002 - Ortho Advanced Career Elective (8 Credits)
This advanced career elective is designed to offer extensive orthopedic medical knowledge and clinical experience to students who have completed ORTH 8000 and are seeking additional orthopedic training that would normally be obtained through elective away rotations. Must have completed ORTH 8000 AI.
Grading Basis: Medical School
Repeatable. Max Credits: 16.
Typically Offered: Fall, Summer.

ORTH 8005 - Orthopedics (8 Credits)
Orthopedics offers a four-week experience within orthopedics, radiology, physical medicine and physical therapy. The block provides students with the opportunity to develop diagnostic, physical exam and treatment planning skills as related to MSK conditions. This course also provides operative experience for MSK conditions. MSK symptoms are among the most common reasons for visits to physicians’ offices. Annually 15-30% of the population seek care for MSK conditions. The presentation of such ailments can be expected to increase with an aging population. Correspondingly, MSK knowledge and competency are integral for successful practices in internal medicine, family practice, emergency medicine, geriatrics and pediatrics. Proficiency with MSK core competencies will enhance the professional growth of all students regardless of expected specialization. Students can expect to achieve a functional aptitude with the four course objectives outlined in the Course Objectives section.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

ORTH 8001 - Orthopaedic Primary Care (4-8 Credits)
2-4 wks. Max: 4. This course is designed as an elective in musculo-skeletal medicine in route to a career in primary care or other overlapping field. The focus is on outpatient musculoskeletal medicine. Restrictions: Offered spring semester.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Spring.

ORTH 7005 - Orthopedics (8 Credits)
Orthopedics offers a four-week experience within orthopedics, radiology, physical medicine and physical therapy. The block provides students with the opportunity to develop diagnostic, physical exam and treatment planning skills as related to MSK conditions. This course also provides operative experience for MSK conditions. MSK symptoms are among the most common reasons for visits to physicians’ offices. Annually 15-30% of the population seek care for MSK conditions. The presentation of such ailments can be expected to increase with an aging population. Correspondingly, MSK knowledge and competency are integral for successful practices in internal medicine, family practice, emergency medicine, geriatrics and pediatrics. Proficiency with MSK core competencies will enhance the professional growth of all students regardless of expected specialization. Students can expect to achieve a functional aptitude with the four course objectives outlined in the Course Objectives section.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

ORTH 8000 - Orthopaedic Surgery AI (8-12 Credits)
2-4 wks. Max: 4. This course is designed as an elective in Orthopedic Surgery for students desiring residency training in Orthopedics or another surgical specialty. The student will function as a "sub intern" on a resident/faculty team in two hospital settings. Restrictions: Offered spring semester.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Spring.

ORTH 8002 - Ortho Advanced Career Elective (8 Credits)
This advanced career elective is designed to offer extensive orthopedic medical knowledge and clinical experience to students who have completed ORTH 8000 and are seeking additional orthopedic training that would normally be obtained through elective away rotations. Must have completed ORTH 8000 AI.
Grading Basis: Medical School
Repeatable. Max Credits: 16.
Typically Offered: Fall, Summer.

ORTH 8005 - Orthopedics (8 Credits)
Orthopedics offers a four-week experience within orthopedics, radiology, physical medicine and physical therapy. The block provides students with the opportunity to develop diagnostic, physical exam and treatment planning skills as related to MSK conditions. This course also provides operative experience for MSK conditions. MSK symptoms are among the most common reasons for visits to physicians’ offices. Annually 15-30% of the population seek care for MSK conditions. The presentation of such ailments can be expected to increase with an aging population. Correspondingly, MSK knowledge and competency are integral for successful practices in internal medicine, family practice, emergency medicine, geriatrics and pediatrics. Proficiency with MSK core competencies will enhance the professional growth of all students regardless of expected specialization. Students can expect to achieve a functional aptitude with the four course objectives outlined in the Course Objectives section.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
ORTH 8006 - Alpine Orthopedics (8 Credits)
Orthopedic elective (4 weeks) designed for students on the path to orthopedic surgery residency who are seeking education and experience in a small mountain community. The course will be based out of Crested Butte, CO which has a high volume of sports injuries. Course will also offer exposure to rural orthopedics in Gunnison & Telluride. Prerequisite: Must have completed ORTH 8000 and be applying to orthopedic residency
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
Repeatable. Max Credits: 24.
ORTH 8007 - Orthopedic Sub-I Prep (4-8 Credits)
Introduction to Orthopedic Surgery is designed to prepare fourth year medical students for sub-internship rotations in Orthopedic Surgery. Course includes lectures in anatomy, common injuries, treatment plans, and surgical intervention for eight sub-specialties of Orthopedics including: Trauma, Spine, Hand, Pediatrics, Sports, Adult Recon. Requisite: Students who plan to complete a sub-internship in Orthopedics and who are planning to pursue an orthopedic residency.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.
Repeatable. Max Credits: 8.
ORTH 8050 - Sports Medicine Colorado Springs (4-8 Credits)
This elective provides the opportunity to learn about the diagnosis and treatment of common sports injuries and sports-related medical conditions by working with orthopedic surgeons, physical therapists, and athletic trainers in the clinic, hospital, schools, and sports training facilities. Instructor consent required.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
ORTH 8100 - ORTH Elective Away (8 Credits)
This Orthopedic elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Officer 4 weeks.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
ORTH 8000 - Advanced Otolaryngology (8-16 Credits)
4 or 6 wks. Max:3. Recommended for students considering an ENT career. Offers in-depth clinical and operative exposure. Also useful for those seeking primary care to further hone head and neck exam skills and treatment of ENT pathology.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
ORTH 8050 - Otolaryngology (ENT) (4 Credits)
Patient care in relation to head and neck - ear, nose and throat ailments. Students will experience both outpatient and inpatient interactions. Will see procedures in clinic as well as in the operating room and participate in rounds at the hospital.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
ORTH 8100 - OTOL Elective Away (4-8 Credits)
This Otolaryngology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
PATH 7005 - Pathology Selective for Third-Year Medical Students (8 Credits)
Student rotates through Anatomic Pathology (AP) and Clinical Pathology (CP) services (surgical, cytology, autopsy, pediatric, transfusion medicine and hematopathology). Subspecialty rotations can be arranged in AP (GYN, GI, pulmonary, molecular, hematopathology, neuropathology) or Clinical Pathology (CP) (clinical chemistry, microbiology, coagulation) per student's interest.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
ORTH 8000 - Pathology for Non-Pathologists (4-8 Credits)
2-4 weeks. Max:2. The Department assigns hospital by interests of the student. Anatomic pathology includes autopsy, surgical pathology, hematopathology and cytology. Clinical pathology includes clinical chemistry, microbiology, coagulation/blood banking and molecular diagnosis. Intended for those interested in clinical medicine, especially a pathology career.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.
PATH 8100 - PATH Elective Away (8 Credits)
This Pathology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PATH 8600 - Research in Pathology (4-24 Credits)
2-12 wks. Prereq: Department approval must be obtained and all arrangements made at least one month in advance. The student must also receive approval from the Associate Dean for Student Affairs. Offered 2, 4, 6 or 8 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.

PEDS 8000 - Pediatric AI (8 Credits)
4 wks. Max: 3. This course can meet Sub-I qualifications. Designed for those students who are interested in further training in pediatrics. Students will be integrated as a functional member of a pediatric ward team. Restrictions: A 2-month advance notice is required to drop this course.
Grading Basis: Medical School

PEDS 8004 - Pediatric Cardiology (8 Credits)
4 wks. Max: 1. Evaluation of children with heart disease by history, physical examination, electrocardiography, roentgenography, echocardiography, and cardiac catheterization will be stressed. The student will make rounds with the cardiology team, see consults, attend outpatient clinics, and participate in cardiology catheterization and conferences.
Grading Basis: Medical School

PEDS 8005 - Allergy and Immunology CHCO (4-8 Credits)
The student will work alongside allergy and immunology providers and share in the care of patients from clinic, as well as inpatient consults. Opportunities will be provided to observe skin testing, food/drug challenges, immuno-therapy, and pulmonary function testing. Offer 2, 4 wk
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Spring, Summer.

PEDS 8006 - National Jewish Immunology and Allergy (4-24 Credits)
Max: 2. The student is assigned to a pediatric allergy attending; share in the care of NJC outpatients, attend lectures, rounds, and conferences. Patient responsibility delegated by attending and commensurate with the student's interest/ability. Opportunities provided to observe laboratory procedures in immunology/pulmonary physiology laboratories. Weeks offered 2, 4, 8, 12.
Grading Basis: Medical School

PEDS 8007 - Child Abuse and Neglect (4-8 Credits)
Grading Basis: Medical School

PEDS 8008 - Birth Defects/ Genetics (8-24 Credits)
4, 6, 8, or 12 wks. Max: 1. Rotation includes experience in the General Genetics, Inherited Metabolic Diseases, Muscle, Neurocutaneous and outreach clinics. Students will participate in diagnosis, pedigree assessment and management. Students will participate in consultations with faculty, attend conferences, visit laboratories; an oral presentation is required.
Grading Basis: Medical School
Repeatable. Max Credits: 24.

PEDS 8009 - Peds Infectious Disease (8 Credits)
4 wks. Max: 1. This course provides experience in the pathophysiology, diagnosis, and therapy of childhood infections. Students evaluate inpatients and present cases at daily teaching rounds. Experience in the diagnostic Microbiology laboratory is provided. There is a weekly HIV/infected disease clinic.
Grading Basis: Medical School

PEDS 8010 - EPAC Individualized Elective (4-24 Credits)
This course allows students in the Education in Pediatrics Across the Continuum (EPAC) to develop an individualized learning experience. This may include rotations in areas that do not have an existing course or a combination of experiences across courses.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.

PEDS 8011 - Pediatric Pulmonary (8 Credits)
Max: 1. Basic background knowledge in pediatric pulmonary physiology and disease will be provided. The student will attend rounds, clinics and weekly conferences and participate in hospital consultations. Students will be expected to present a seminar/case discussion on a pediatric pulmonary topic. Weeks offered 4
Grading Basis: Medical School
Repeatable. Max Credits: 12.

PEDS 8012 - Pediatric Neurology (8-24 Credits)
4, 6, or 12 wks. Max: 1. Child Neurology provides students with the opportunity to gain experience evaluating children with a wide variety of neurological problems. Students will round on hospital and clinic patients, complete assigned readings and attend Neurology grand rounds.
Grading Basis: Medical School

PEDS 8013 - Pediatric Endocrinology (8 Credits)
Max: 1. A large variety of patients with abnormalities of growth and pubertal development, thyroid disorders, and diabetes mellitus are reviewed and treated each week. Seminars on selected topics are scheduled three times per week. Weeks offered 4.
Grading Basis: Medical School
PEDS 8015 - Pediatric Neonatology AI (8 Credits)
4 wks. Max.3. This course can meet Sub-I qualifications. Students assigned to UCH, DHMC, or TCH and will participate actively in the care of critically-ill infants including work rounds, attending rounds, conferences and night call. Experience will be gained in procedures and ventilator management.
Grading Basis: Medical School

PEDS 8018 - General Academic Peds (4-8 Credits)
Max:1. This course offers exciting experience in ambulatory pediatrics at The Children's Hospital. There are 9 educational conferences per week. No night call. Offer 2 wks
Grading Basis: Medical School

PEDS 8020 - Adolescent Medicine (8 Credits)
4 wks. Max:1. Provides basic knowledge and clinical skills in diagnosis and management of medical problems during adolescence. Including development of skills in interviewing and counseling adolescents in various health care settings. Students will prepare and present a seminar/case discussion on this topic.
Grading Basis: Medical School

PEDS 8021 - Pediatric Disability Medicine (8 Credits)
Pediatric Disability Medicine is a four-week course designed to give students exposure to important concepts of disability, issues affecting children with disabilities and their families, multidisciplinary clinical care of this population and an introduction to transition to adulthood.
Grading Basis: Medical School

Typically Offered: Fall, Spring, Summer.

PEDS 8022 - Peds Gastroenterology (8 Credits)
Max:1. Clinical rotation on pediatric gastroenterology inpatient and outpatient services and procedure unit and scheduled conferences. This rotation is designed for students with a specific interest in pediatrics and/or gastroenterology.
Grading Basis: Medical School

PEDS 8024 - Child Development/Behavior (4-8 Credits)
2 or 4 wks. Max:1. Medical students will participate in the medical assessment and treatment of children with developmental and behavioral problems. They will attend lectures, participate in the seminars, and observe multidisciplinary assessments of children with developmental disorders.
Grading Basis: Medical School
Repeatable. Max Credits: 8.

PEDS 8025 - Peds Emergency Medicine (4-8 Credits)
Max:1. Students gain experience in assessment/management of common conditions in a pediatric emergency department including minor emergencies, acutely ill children, and traumatic diagnoses. Procedural experience at student's level, and at attending's discretion, will also be gained.
Grading Basis: Medical School

PEDS 8026 - Pediatric Nephrology (4-8 Credits)
4 wks. Max:1. Students will actively participate in the care and evaluation of patients under the direction of the attending and participating resident. Common problems such as hematuria, proteinuria, electrolyte disturbances, chronic renal insufficiency, hypertension, hemodialysis, peritoneal dialysis, and renal transplantation are addressed.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PEDS 8027 - Pediatric ICU AI (8 Credits)
4 wks. Max:1. This course can meet Sub-I qualifications. The sub-intern is responsible for evaluation and continuing care of patients under the supervision of a Fellow and Attending. The student will learn basic pathophysiology of critical illness and enhance skills in reporting and interpreting clinical data, and patient management. Prereq: IDPT 7020 Infant/Adolescent Care.
Grading Basis: Medical School

PEDS 8029 - Breastfeeding Management (4 Credits)
2 wks. Max:2. An introduction to breastfeeding as a medical topic, with precepting by lactation specialists at clinical sites and self-directed learning through complementary activities. Assessment and management of mother/infant breastfeeding dyad is emphasized.
Contact Dr. Bunik two weeks before start or Laura.Primak@uchsc.edu.
Grading Basis: Medical School

PEDS 8030 - Vaccination in Pediatrics (8 Credits)
4 wks. Max:2. Students develop extensive knowledge in ambulatory general pediatrics with an emphasis on vaccine preventable diseases. Experiences include didactics on vaccination, vaccine screening, advocacy, and report writing. Exposure to laboratory vaccine research supported but requires availability. Prereq: MS III Pediatric Rotation.
Grading Basis: Medical School

PEDS 8031 - Pediatric Hematology/Oncology (8 Credits)
Students will participate in the clinical activities of the Pediatric Hematology-Oncology Service, both inpatient and outpatient. They will be involved in patient care, perform procedures including lumbar punctures and bone marrow aspirated/biopsies, and attend relevant conferences. Prereq: Successful completion of all third year clerkships. No restrictions at this time. Course will also be offered to externs.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PEDS 8032 - Pediatric Radiology (4-8 Credits)
The department of Diagnostic Radiology at Children's Hospital, Colorado offers a 2 or 4 week pediatric radiology elective rotation. Here students will gain exposure to all imaging modalities including: radiography, ultrasound, fluoroscopy, nuclear medicine (including PET/CT), CT and MRI.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PEDS 8050 - Pediatric Gastroenterology Colorado Springs (8 Credits)
Students will see patients in the pediatric GI inpatient and outpatient setting. Students will be exposed to common GI procedures. The rotation is designed for students with specific interest in pediatrics and gastroenterology. Instructor consent required.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PEDS 8051 - Pediatric Cardiology CSB (4-8 Credits)
This elective provides an opportunity to become acquainted with the special diagnostic and therapeutic problems of the infant and child with heart disease. Diagnosis by history, physical exam, electrocardiography (fetal and pediatric) chest x-ray, etc. will be emphasized. Instructor consent required.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
PEDS 8052 - Pediatric Hematology Oncology – Colorado Springs (4-8 Credits)
Students will see patients in the pediatric neurology inpatient and the outpatient setting. Students will be exposed to common neurology procedures. The rotation is designed for students with specific interest in pediatrics and neurology. Pre-requisite: Successful completion of all third year clerkships
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PEDS 8053 - Pediatric Neurology – Colorado Springs (4-8 Credits)
Students will see patients in the pediatric neurology inpatient and the outpatient setting. Students will be exposed to common neurology procedures. The rotation is designed for students with specific interest in pediatrics and neurology. Pre-requisite: Successful completion of all third year clerkships
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PEDS 8054 - Pediatric ENT– Colorado Springs (4-8 Credits)
Students will see patients in the pediatric ENT inpatient and the outpatient setting. The rotation is designed for students with specific interest in pediatrics and otolaryngology. Pre-Requisite: Successful completion of all third year clerkships
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PEDS 8100 - Peds Elective Away (4-8 Credits)
This Pediatric elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PEDS 8600 - Research in Pediatrics (4-24 Credits)
2-12 wks. Prereq: Student must receive departmental approval one semester in advance of rotation. Approval from the Associate Dean for Student Affairs required. Restrictions: Sections 49-50 not available.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.

PEDS 8630 - Peds Research Away (4-16 Credits)
This Pediatric research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2, 4, 6 or 8 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.

PHMD 8000 - Physical Med & Rehab (4-8 Credits)
Max:4. This elective provides experience in the diagnosis and treatment of patients with pathology of the neurologic and musculoskeletal systems. 4 different locations (VA, Denver Health, University Hospital, The Children's Hospital) allow treatment of a variety of conditions related to rehabilitation.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PHMD 8100 - PHMD Elective Away (4-8 Credits)
This Physical Medicine and Rehabilitation elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2 or 4 weeks. Prereq: 800
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PRMD 8000 - Research Preventive Med (4-24 Credits)
2-12 wks. Written evaluation must be sent by individual instructor, with course director responsible for final grade. Prereq: PHMD 8000. Obtain departmental approval and all arrangements made at least one month in advance and prior approval from Associate Dean for Student Affairs.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

PRMD 8003 - Specialty Preventive Med (8 Credits)
4 wks. Max:4. Designed for students interested in exploring the field of preventive medicine. Tailored educational experiences in the Denver area in a variety of settings. Speak with course director to design this elective.
Prereq: Course director approval required to add course.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.

PRMD 8006 - Dir Study Ethics/Humanities (4-24 Credits)
2-12 wks. Selected students may participate in directed scholarly work in Bioethics and Medical Humanities with specific faculty members. Opportunities such as directed literature reviews, clinical research projects, curriculum development projects, and other scholarly activities are available. Prereq: Course director approval required to add course.
Grading Basis: Medical School
Repeatable. Max Credits: 24.

PRMD 8100 - PRMD Elective Away (8 Credits)
This Preventive Medicine elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PRMD 8600 - Research Preventive Med (4-24 Credits)
2, 4, 8 or 12 wks. Designed for students interested in preventive medicine research. Tailored research experiences in the Denver area can be established in a variety of settings. Speak with the course director to design this elective. Prereq: Course Director and Associate Dean for Student Affairs approval required to add course.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

PRMD 8630 - PRMD Research Away (4-16 Credits)
This Preventive Medicine elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2, 4, 6 or 8 weeks.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.
PSYM 8000 - Advanced Inpatient Psychiatry (8-12 Credits)
Students take responsibility as primary provider for seriously ill patients, work closely with treatment team directed by an attending psychiatrist. Students assume responsibilities for care of patients that intern typically assume: performing H&Ps, writing orders, giving “bad news” when appropriate.
Grading Basis: Medical School
Repeatable. Max Credits: 12.
Typically Offered: Fall, Spring, Summer.

PSYM 8001 - Primary Care Substance Problem (4-8 Credits)
2-4 wks. Max:2. In treatment programs, experts’ tutorials, and readings, students learn approaches to 6 common primary care substance problems, such as addiction in pain disorders, pregnancy, smoking with tobacco-induced illness, and substance involved adolescents. Students write a paper on the 6 clinical problems. Prereq: Course Director approval required to add course.
Grading Basis: Medical School
Repeatable. Max Credits: 8.

PSYM 8003 - Elective in Psychiatry (4-8 Credits)
Students in conjunction with the office of medical psychiatric student education, choose to work with patients on an inpatient psychiatry ward, outpatient clinic or other psychiatric units as a member of a treatment team.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PSYM 8004 - Advanced Child and Adolescent Inpatient Psychiatry (8-12 Credits)
4 or 6 wks. This Sub-I course DOES NOT meet the UC SOM requirement for graduation. Evaluate and manage adolescents with psychiatric disorders. Students will be members of multidisciplinary team learning about psychopathology, psychopharmacology, psychotherapy, family therapy and other treatment modalities. Students will learn about systems of care. Restrictions: Contact coordinator to confirm availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PSYM 8006 - Clinical PSYM Consultation/Liaison (8-12 Credits)
Consultation-Liaison Psychiatry a unique discipline within the field of psychiatry which combines knowledge of medical illnesses, psychotherapy and psychopharmacology with an ability to forge liaisons within the medical community. Evaluate and help manage patients with psychiatric disorders within medical settings. Prerequisites: Contact coordinator to confirm availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PSYM 8007 - Clinical PSYM Emergency Services (8-12 Credits)
Learn elements of crisis intervention, and to make psychiatric diagnoses and evaluate lethality. Students will evaluate and help treat a broad range of psychiatric difficulties, and encounter the psychiatric and psychosocial problems they will see in their practices. Prerequisites: Contact coordinator to confirm availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PSYM 8008 - Forensic and Correctional Psych (8 Credits)
Introduction to the interface of criminal law and psychiatry. Students will be involved in the evaluation of people entering pleas of incompetency to stand trial and not guilty by reason of insanity as well as the treatment and restoration process. Prerequisites: Contact coordinator to confirm availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PSYM 8009 - Clinical PSYM Addiction (8-12 Credits)
Learn the essentials of identification, assessment, and treatment of patients with substance use disorders. Emphasis on screening and brief intervention techniques. Learn principles of detoxification for alcohol, opioids, and cocaine; interpretation of drug testing results; proper prescribing practices. Prerequisites: Contact coordinator to confirm availability.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

PSYM 8010 - PSYM Elective Away (4-8 Credits)
This Psychiatry elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

PSYM 8600 - Research in Psychiatry (4-24 Credits)
2-12 wks. Research electives in various areas of Psychiatry. Contact Randy Ross, MD or Sharon Hunter, PhD for menu of research options. Prereq: The student must receive prior approval from the Associate Dean for Student Affairs and the course director to add course.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

RAON 8005 - Radiation Oncology (8 Credits)
4 wks. Max: 2. The student will learn the basic tools and techniques of radiation oncology, evaluate patients before and after treatment, learn specialized exam techniques, participate in consultations and multimodality cancer treatment planning. Students will attend and participate in multidisciplinary tumor conferences.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

RAON 8100 - RAON Elective Away (8 Credits)
This Radiation Oncology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 4 weeks. Prereq: RAON 8005. Departmental approval must be obtained one month in advance.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.
RAON 8600 - Research RAD Oncology (8 Credits)
4 wks. This elective is designed to acquaint the student with current research developments, knowledge and techniques in radiation oncology. Prereq: RAON 8005. Departmental and Associate Dean of Student Affairs approval must be obtained and all arrangements made one semester in advance.
Grading Basis: Medical School
Repeatable. Max Credits: 24.

RAON 8630 - RAON Research Away (8-12 Credits)
This Radiation Oncology research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 4 or 6 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.

RADI 7001 - Pediatric Radiology Selective - Children's Hospital (8 Credits)
Students will gain an understanding of the basics of pediatric imaging and correlation with anatomy and pathology. Students will learn the indication for and basic approach to interpretation of all imaging modalities including: x-ray, ultrasound, fluoroscopy, CT, MRI, nuclear medicine.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

RADI 8000 - Diagnostic Radiology (8 Credits)
An introduction to the interpretation of images and the role of diagnostic imaging in patient care. Clinical observation, lectures, and independent study at UH/AOP. Only 2 days of absence permitted for any reason.
Restrictions: Course not available sections 29 & 33. 4 wks. Max:4.
Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

RADI 8001 - Radiology for Non-Radiologists (4 Credits)
Two-week course providing specialty focused radiology education, designed to help students be prepared for both internship year and their future career. Students will spend time with specific sub-specialty trained radiologists, based on interest, while reviewing foundational radiology course work.
Grading Basis: Pass/Fail with IP
Typically Offered: Spring.

RADI 8002 - Nuclear Medicine (4-8 Credits)
Max:2. Nuclear Medicine encompasses the various uses of radioactive compounds in medical diagnosis and therapy. Students participate in the supervision and interpretation of nuclear medicine procedures under the guidance of the staff/residents at the AOP. Students will attend daily conferences.
Grading Basis: Medical School
Typically Offered: Spring.

RADI 8007 - Interventional Radiology (4-8 Credits)
2-4 wks. Max: 3. Interventional Radiology is the treatment of disease conditions using minimally invasive means. These procedures are performed with X-rays, US, and CT guidance. The student will round with the team, participate in procedures, and attend daily conferences. Standard student evaluation used.
Grading Basis: Medical School
Repeatable. Max Credits: 8.
Typically Offered: Fall, Spring, Summer.

RADI 8008 - Virtual Interventional Radiology (4 Credits)
Virtual introduction to Interventional Radiology, the field of diagnosis and treatment of disease conditions using minimally invasive image (fluoroscopy, US, CT) guided procedures.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

RADI 8100 - RADI Elective Away (4-8 Credits)
This Radiology elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. For rotation approval, students must first provide name, address, and phone number of preceptor to the course director. Students maintain sole responsibility for obtaining written evaluation. Offered 2 or 4 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

RADI 8600 - Research in Radiology (4-24 Credits)
Student must submit a research project description and the name of their preceptor to the course director prior to the start of the elective. Student is responsible for obtaining written evaluation 2 week rotation not Honors eligible.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

RADI 8630 - RADI Research Away (4-24 Credits)
This Radiology research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2, 4, 8 or 12 weeks.
Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

SURG 6660 - Career Elective in UROL (1 Credit)
Students will attend 2-3 urology outpatient clinics held at the UCH on Wed and Fri afternoons and one half or full day in the UCH OR (Mon, Tues or Thurs). 12.5 hours of observation split between OR and clinic.
Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

SURG 8000 - Gen Surg Univ Al (8-24 Credits)
4-12 wks. Max:4. This course can meet Sub-I qualifications. Students perform intern responsibilities on General Surgical Service at University of Colorado Hospital. Students alternate night call, write orders on assigned patients and participate in preoperative, operative and postoperative care of inpatients.
Grading Basis: Medical School
Repeatable. Max Credits: 24.

SURG 8001 - Gen Surg DHMC AI (8-12 Credits)
4 or 6 wks. Max:3. This course can meet Sub-I qualifications. Join an Acute Care Surgery Team at a Level 1 Trauma Center. Course emphasizes pre-operative evaluation, operating room decisions and postoperative care outside the ICU. Student will attend clinics, rounds, conferences and surgical procedures.
Grading Basis: Medical School
Repeatable. Max Credits: 12.
Typically Offered: Fall, Spring, Summer.
SURG 8002 - Gen Surg St Joseph’s Al (8 Credits)
Held at Exempla St. Joseph Hospital with emergency & elective surgery. Emphasize pre- and postoperative care. Graduated operating room experience and exposure to skills lab. Active participation in surgery clinic. Housestaff team assignments with assigned faculty mentors. Active daily conferences, including Grand Rounds and M&M. Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

SURG 8008 - Advanced Cardiothoracic Surg (8 Credits)
4 wks. Max:2. This course can meet Sub-l qualifications. Adult cardiac and general thoracic surgery and critical care monitoring on the Cardiothoracic Service at UH and Denver VAMC. Students will participate in preoperative, operative and postoperative care. Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

SURG 8010 - Burn Critical Care/Surg (8-12 Credits)
4 or 6 wks. Max:1. This course can meet Sub-l qualifications. Acting sun-intern on Burn Service, working with Burn and related Surgical Critical Care cases. A high level of patient care responsibility, including bedside procedures, burn care and line changes. Work with attending faculty, and gain a multidisciplinary approach to burns. Grading Basis: Medical School
Repeatable. Max Credits: 12.

SURG 8012 - Advanced Urology (8-16 Credits)
4 wks. Max:4. This course can meet Sub-l qualifications. All students are required to rotate at hospitals, participate and perform physical exams, follow-up, clinic and surgeries. All Urology Conferences are mandatory. The Chief Resident, under supervision of the Attending, guides educational experiences. Grading Basis: Medical School
Repeatable. Max Credits: 16.

SURG 8015 - Pediatric Surgery (4-12 Credits)
2, 4, or 6 wks. Max:1. Student will assume major clinical responsibility for pediatric surgical patients, will work with housestaff, share patient care and work-ups, act as liaison to families, attend operations and teaching conferences, and actively participate in the surgical management of infants and children. Grading Basis: Medical School
Repeatable. Max Credits: 12.

SURG 8019 - Plastic Surgery (8 Credits)
Max:1. Students learn basic principles of wound healing, care, and management; management and reconstruction of maxillofacial trauma; head and neck cancer; congenital anomalies; tissue transplantation; cosmetic surgery; and plastic/reconstructive management of post-burn and post-surgical patients. Prereq: IDPT 7050. Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

SURG 8021 - Surgical Critical Care AI (8-12 Credits)
4 wks. Max:2. Assigned to surgical ICU, work with critical care residents, fellow and staff. Students gain experience in resuscitation, hemodynamic monitoring, mechanical ventilation, nutritional support, bedside ultrasound and all aspects in care of critically ill surgical patients. Grading Basis: Medical School
Repeatable. Max Credits: 12.

SURG 8030 - Transplant Surgery (8 Credits)
2-4 wks. Max:3. Medical student will round with transplant team, which includes: Surgeons, Nephrologists, and Hepatologists. They will be exposed to all aspects of transplant care including preoperative work up, donor surgery, transplant surgery, post-operative care. Grading Basis: Medical School
Repeatable. Max Credits: 8.

SURG 8050 - Trauma Surgery - CSB (4-8 Credits)
Patient care in emergency surgery/acute care surgery and trauma. Student will participate with inpatient, outpatient and clinic patients. Student will see pre-op, post-op, and emergency patients. Only open June and July. Enrollment limit June and July. 3. Enrollment limit if offered August-May: 1.
Grading Basis: Medical School

SURG 8051 - Plastic Surgery - CSB (4 Credits)
Patient care in both emergency, plastic surgery such as acute major lacerations, cartilage repair, bone repair of face, skin grafting, flap repairs with soft tissue loss. Patient care in elective plastic surgery including all cosmetic surgery. Instructor consent required. Grading Basis: Pass/Fail with IP
Typically Offered: Fall, Spring, Summer.

SURG 8052 - Surgical Critical Care - CSB (4-12 Credits)
The surgical care clerkship involves the student in the management of medical technology and coordination with a multidisciplinary staff in evidence-based, goal-oriented, humanistic treatment of critical illness. Instructor consent required. Grading Basis: Medical School
Typically Offered: Fall, Spring, Summer.

SURG 8100 - Surg Elective Away (4-8 Credits)
This Surgery elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 4 weeks. Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 16.
Typically Offered: Fall, Spring, Summer.

SURG 8600 - Research in Surgery (4-24 Credits)
2-12 wks. Contact department for further course information. Prereq: The student must receive prior approval from the Associate Dean for Student Affairs and course director to add course. Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.

SURG 8630 - SURG Research Away (4-24 Credits)
This Surgery research elective will be held at a site in Colorado, another state, or internationally. Students must obtain departmental approval one month prior to the start. Additionally, international sites must be preapproved by Student Affairs. Offered 2, 4, 8 or 12 weeks. Grading Basis: Pass/Fail with IP
Repeatable. Max Credits: 24.
Typically Offered: Fall, Spring, Summer.