

MEDICAL SCIENTIST TRAINING PROGRAM (MSTP)

MSTP 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: Letter Grade with IP

Typically Offered: Fall.

MSTP 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: Letter Grade with IP

Typically Offered: Spring.

MSTP 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: Letter Grade with IP

Typically Offered: Summer.

MSTP 5026 - MSTP Reproductive System & Life Cycle (9 Credits)

Same as course IDPT5026.

Grading Basis: Letter Grade with IP

Typically Offered: Summer.

MSTP 7645 - MSTP Seminar (1.5 Credits)

Designed to expose MSTP and physician scientist students to research programs and opportunities in biomedical sciences at the CU Anschutz Medical campus and selected departments of the CU Boulder campus. Previously offered as IDPT 7645.

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring, Summer.

MSTP 7651 - MSTP Lab Research Rotation (1.5-3 Credits)

This course is a 6 week laboratory rotation experience in an MSTP training laboratory. This course allows for MSTP students to rotate in the lab of an MSTP-appointed faculty in advance of selection of their graduate thesis program and lab. MSTP students should use this rotation to learn about the science and dynamics of the lab so that they can assess potential fit for their thesis studies. Prerequisite: Acceptance into the MST Program and signed permission from the MSTP Director.

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 3.

A-GRAD Restricted to graduate students only.

Typically Offered: Spring, Summer.

MSTP 7652 - MSTP Advanced Topics (1-5 Credits)

This course is designed for students in the MSTP and consists of in-depth small group (1-7 students) sessions that provide in-depth didactic and/or paper readings on subjects related to research rotations or thesis projects. Prereq: IDPT 7811, 7812, 7813, 7814, 7815 (BIOM Sci core courses); consent of Instructor. Previously offered as IDPT 7652

Grading Basis: Letter Grade

Repeatable. Max Credits: 5.

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring.

MSTP 7655 - Thesis Years - Foundations of Doctoring (1-5 Credits)

This course intended for MD or MD-PhD students who have successfully completed all coursework for Phases I and II of SOM curriculum, are on leave of absence from SOM and wish to maintain clinical exposure and training during the leave. Prereq: All Phase I and II SOM courses.

Previously offered as IDPT 7655

Grading Basis: Letter Grade

Repeatable. Max Credits: 5.

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring, Summer.

MSTP 7755 - MSTP Clinical Capstone (1 Credit)

This 5-day clinical immersion course designed to reacquaint MSTP students with clinical training. Didactics and discussions focus on clinical skills and inpatient medicine teams. In practical activities, students follow 2-3 patients, present on rounds, call consultants, and formulate plans of care. Previously offered as IDPT 7755

Grading Basis: Satisfactory/Unsatisfactory w/IP

Repeatable. Max Credits: 1.

Typically Offered: Spring.

MSTP 7805 - Case Studies: Molecules to Medicine (1 Credit)

This course is targeted for first year MSTP/Physician-Scientist students. Clinical cases will be presented/discussed by faculty and students to provide clinical context for basic science principles taught in the graduate core courses (IDPT 7811-7815). Prereq: IDPT 7811, 7812, 7813, 7814, 7815 (BIOM Sci Core Courses). Crosslisted: IDPT 5002. Previously offered as IDPT 7805.

Grading Basis: Letter Grade

A-GRAD Restricted to graduate students only.

Typically Offered: Fall, Spring.