MEDICAL SCIENCE

OVERVIEW

The main objective of the Master of Science in Medical Science (MMS) Program is to provide a rigorous curriculum in the basic biomedical sciences that prepares students with the background knowledge and skills required to gain acceptance into and succeed in medical school as well as other health-related professional doctoral-level degree programs including dental and pharmacy school. The program offers a cohesive set of core courses that cover the major biomedical disciplines that together provide the foundation of understanding how the human body works from the molecular (biochemistry), cellular (cell biology), and systems (anatomy and physiology) levels, as well as the fundamentals required to understand drug actions in the body (pharmacology) and the principles of quantitatively interpreting scientific and epidemiological data (biostatistics).

DEGREES

- Medical Science M.S.

FACULTY

Ballif, Bryan A.; Associate Professor, Department of Biology; PHD, Harvard University
Bates, Jason H. T.; Professor, Department of Medicine-Pulmonary; DSC, Canterbury University
Berger, Christopher Lewis; Co-Director, Medical Science, Professor, Department of Molecular Physiology and Biophysics; PHD, University of Minnesota Twin Cities
Delaney, Terrence Patrick; Associate Professor, Department of Plant Biology; PHD, University of Washington Seattle
Deming, Paula B.; Associate Professor, Department of Medical Lab and Radiation Science; PHD, University of North Carolina Chapel Hill
Francklyn, Christopher; Professor, Department of Biochemistry; PHD, University of California Santa Barbara
Hondal, Robert J.; Associate Professor, Department of Biochemistry; PHD, Ohio State University
Howe, Alan K.; Associate Professor, Department of Pharmacology; PHD, Northwestern University
Jetton, Thomas Lawrence; Associate Professor, Department of Medicine-Endocrinology, Diabetes and Metabolism; PHD, Vanderbilt University
Kelm, Robert; Associate Professor, Department of Medicine-Cardiovascular; PHD, University of Vermont
Lounsbury, Karen; Co-Director, Medical Science, Professor, Department of Pharmacology; PHD, University of Pennsylvania
Mawe, Gary Michael; Professor, Department of Neurological Sciences; PHD, Ohio State University
May, Victor; Professor, Department of Neurological Sciences; PHD, Northwestern University
McCormack, John; Professor Emeritus, Department of Surgery; PHD, Yale University

Nelson, Mark; Professor and Chair, Department of Pharmacology; PHD, Washington University in St Louis
Osol, George Jury; Professor, Department of Obstetrics, Gynecology and Reproduction; PHD, University of Vermont
Poynter, Matthew; Professor, Department of Medicine-Pulmonary; PHD, University of Utah
Ruiz, Teresa; Professor, Department of Molecular Physiology and Biophysics; PHD, Brandeis University
Silveira, Jay R.; Assistant Professor, Department of Biochemistry; PHD, University of Vermont
Stumpf, Jason K.; Assistant Professor, Department of Molecular Physiology and Biophysics; PHD, University of Colorado
Thali, Markus Josef; Professor, Department of Microbiology and Molecular Genetics; PHD, University of Zurich
Ward, Gary E.; Professor, Department of Microbiology and Molecular Genetics; PHD, University of California San Diego
Warshaw, David; Professor and Chair, Department of Molecular Physiology and Biophysics; PHD, University of Vermont
Wellman, George C.; Professor, Department of Pharmacology; PHD, University of Vermont