

MEDICAL SCIENCE

<https://learn.uvm.edu/program/uvm-master-of-medical-science-degree/>

OVERVIEW

The main objective of the Master of Science in Medical Science 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

Anathy, Vikas; Assistant Professor, Department of Pathology and Laboratory Medicine; PHD, Madurai Kamaraj University

Berger, Christopher Lewis; Professor, Department of Molecular Physiology and Biophysics; PHD, University of Minnesota Twin Cities

Bishop, Estelle Spear; Assistant Professor, Department of Neurological Sciences; PHD, University of Vermont

Deming, Paula B.; Associate Professor, Department of Biomedical and Health Sciences; PHD, University of North Carolina at Chapel Hill

Francklyn, Christopher Steward; Professor, Department of Biochemistry; PHD, University of California Santa Barbara

Godsey, Michael; Associate Professor, Department of Biochemistry; PhD, Oregon Health & Science University

Howe, Alan K.; Associate Professor, Department of Pharmacology; PHD, Northwestern University

Kelm, Robert; Associate Professor, Department of Medicine-Cardiovascular; PHD, University of Vermont

Khan, Shamima; Assistant Professor, Department of Medicine; PHD, University of Louisiana

Lounsbury, Karen M.; Professor, Department of Pharmacology; PHD, University of Pennsylvania

May, Victor; Professor, Department of Neurological Sciences; PHD, Northwestern University

Morris, Erin; Associate Professor, Department of Obstetrics, Gynecology & Reproductive Sciences; MD, University of Utah School of Medicine

Previs, Michael; Assistant Professor, Department of Molecular Physiology and Biophysics; PHD, University of Vermont

Salogiannis, John; Assistant Professor, Department of Molecular Physiology and Biophysics; PHD, Harvard University

Stumpff, Jason K.; Associate 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

Wellman, George C.; Professor, Department of Pharmacology; PHD, University of Vermont