

MEDICAL SCIENCES, MS

Requirements for Students Matriculating in or before Academic Year

2023-2024. Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

Total Hours: 32

Code	Title	Hours
Program Core		
Select 2 credit hours of a capstone project completed toward the end of the program from the following:		2
BIOM 5010	Special Topics in Biomedical Sciences	
FRNS 5990	Special Topics in Forensic Sciences	
HCA 5010	Special Topics in Health Care Administration	
GLHE 5052	Directed Readings in Global Health	

Electives

30 customized credit hours of courses from either BIOM, FRNS, HCA, or GLHE. The ratio of coursework among the disciplines would be the ratio of the academic specialty of the three members of the faculty advisory committee. BIOM courses are cross-listed with COM foundations and systems courses (PCME prefix) and clinical courses (CLME prefix). HCA and GLHE courses are cross-listed and interchangeable.

Biomedical Sciences (including but not limited to the following courses)

BIOM 5116	Clinical Anatomy
BIOM 6762	Foundations in Medical Biochemistry
BIOM 6743	Foundations in Medical Genetics, Molecular Biology and Development
BIOM 6752	Foundations in Medical Cell and Tissue Biology
BIOM 6771	Foundations in Medical Pharmacology
BIOM 6781	Foundations in Medical Immunology
BIOM 6793	Foundations in Medical Microbiology
BIOM 6810	Structure and Function of the Human Cardiovascular System
BIOM 6820	Structure and Function of the Human Gastrointestinal/Hepatic System
BIOM 6830	Biomedical Perspectives on Human Hematology
BIOM 6840	Structure and Function of the Human Musculoskeletal System
BIOM 6850	Structure and Function of the Human Renal System
BIOM 6860	Structure and Function of the Human Reproductive Systems and Reproductive Biology
BIOM 6870	Structure and Function of the Human Respiratory System
BIOM 6880	Biomedical Perspectives on Psychiatry
BIOM 6900	Structure and Function of the Human Endocrine System
BIOM 6910	Structure and Function of the Human Nervous System

Or additional BIOM courses with faculty advisor and instructor approval.

Forensic Sciences (including but not limited to the following courses)

FRNS 5013 Survey of Forensic Sciences

Or additional FRNS courses with faculty advisor and instructor approval.

Health Care Administration (including but not limited to the following courses)

HCA 5013 Survey of Health Care Administration

Or additional HCA courses with faculty advisor and instructor approval.

Global Health (including but not limited to the following course)

GLHE 5030 Problems and Issues in Global Health

Or additional GLHE courses with faculty advisor and instructor approval.

Total Hours **32**

Other Requirements

- Must maintain a GPA of 3.0 in all courses applicable to the MSMS
- Student must not earn a grade lower than a "C"