

HEALTH SCIENCES CLINICAL AND MEDICAL SCIENCES/DES MOINES UNIVERSITY MASTER OF SCIENCE IN BIOMEDICAL SCIENCES (MSBS)

This joint degree program allows students the opportunity to complete three years in the Health Sciences program followed by two years in the Master of Science in Biomedical Sciences (M.S.B.S.) at Des Moines University. Des Moines University's M.S.B.S. program is designed to enable the development in careers in medical and scientific research and academic medicine to benefit the health of people around the world. Biomedical research is an important part of health care today and requires the work of scientists in a wide variety of settings, including academia, government, pharmaceuticals and biotechnology-dependent industry. M.S.B.S. graduates may be employed as advanced technicians, laboratory managers, educators and scientists using their skills in such diverse areas as cancer research, clinical diagnosis, infectious disease, monitoring food and water supplies and teaching the next generation of scientists. Many have gone on to enroll in medical school as well.

Admission Requirements

See the Des Moines University M.S.B.S. admission website (<https://www.dmu.edu/mbs/admission-requirements/>) for admission requirements. Apply to the M.S.B.S. program by June 15 following the junior year to begin coursework during the fall of the senior year.

Requirements

Code	Title	Hours
BIO 012 & 012L	GENERAL/PRE-PROFESSIONAL BIOLOGY I and GENERAL/PRE-PROFESSIONAL BIOLOGY I LAB	4
BIO 013 & 013L	GENERAL/PRE-PROFESSIONAL BIOLOGY II and GENERAL/PRE-PROFESSIONAL BIOLOGY II LAB	4
CHEM 001 & BIO 013L	GENERAL CHEMISTRY I and GENERAL/PRE-PROFESSIONAL BIOLOGY II LAB	4
CHEM 002 & CHEM 004	GENERAL CHEMISTRY II and GENERAL CHEMISTRY II LAB	4
CHEM 097	ORGANIC CHEMISTRY I	3
CHEM 098	ORGANIC CHEMISTRY I LAB	1
Select one of the following:		3
ECON 002	PRINCIPLES OF MICROECONOMICS	
HSCI 102	PRINCIPLES OF HEALTH ECONOMICS	
FYS 0--	First Year Seminar	3
HSCI 020	INTRODUCTION TO HEALTH SCIENCES	2
HSCI 021	PROFESSIONALISM IN HEALTH CARE	2
HSCI 025	INTRODUCTION TO US HEALTHCARE SYSTEMS	3
HSCI 055	INNOVATION AND LEADERSHIP IN HEALTH SCIENCES	3
Select one of the following:		3

HSCI 060	STATISTICS IN HEALTH SCIENCES	
STAT 060	STATISTICS FOR THE LIFE SCIENCES	
HSCI 095	MEDICAL TERMINOLOGY	1
HSCI 105	VALUES AND ETHICS IN HEALTH SCIENCES	3
HSCI 106	CULTURE CARE AND HEALTH LITERACY	3
Select one of the following:		4
HSCI 125 & 125L	MEDICAL PHYSIOLOGY and PHYSIOLOGY LAB	
BIO 129 & 129L	MAMMALIAN PHYSIOLOGY and MAMMALIAN PHYSIOLOGY LAB	
PHAR 125	PHYSIOLOGY	
HSCI 141 & 141L	HUMAN ANATOMY and HUMAN ANATOMY LAB	4
HSCI 172	EVALUATING RESEARCH	3
MATH 050	CALCULUS I	3
PSY 001	INTRODUCTION TO PSYCHOLOGY	4
Electives		38
DMU MS Biomedical Sciences Coursework		18.5
Total Hours		120.5

Program Notes

3+2 MSBS students at DMU will complete all remaining credits required for completion of their health sciences major through their MSBS coursework. Students will be required to send an official transcript to the Drake University Office of the Registrar to apply their transfer coursework to the health sciences major requirements. A minimum of 120 total hours will be required to earn a Bachelor of Science in Health Sciences from Drake University. Degrees from Drake University and Des Moines University will be conferred at the same time. This may result in total program hours higher than 120.

Should students not complete their coursework at Des Moines University and decide to return to Drake University, they will no longer be eligible for their Drake tuition guarantee. They will be responsible for the current University tuition rate.

If not admitted to the MS Biomedical Sciences program at DMU, all credit minimums for the general electives and professional electives must be fulfilled to earn the BS in Health Sciences degree.

For all dual programs where students do not take HSCI 155, HSCI 156, HSCI 196, and HSCI 197, a maximum of 30 graduate credits will be applied to the bachelor's degree. For all dual programs where students do take HSCI 155, HSCI 156, HSCI 196, and HSCI 197, a maximum of 18 credits will be applied.