

MEDICAL SCIENCE, GRADUATE CERTIFICATE

The Medical Education Department of the Marshall University Joan C. Edwards School of Medicine (MUJCESOM) offers a one-year certificate program in Medical Science. This certificate is designed to improve the science foundation of students seeking admission into medical school and to serve as a pathway for admission to MUJCESOM. Admission into the Medical Science Certificate program does not guarantee admission into medical school.

This program is aimed at students who need to improve their academic standing for the medical school applications. The program covers the core basic science areas that are essential for success in a medical school pre-clerkship curriculum – biochemistry, physiology, immunology, microbiology, and pharmacology.

Students who achieve a program GPA of at least 3.4 and have an MCAT score of 500 or above will be able to interview early in JCESOM's interview cycle.

Students in the program are eligible to receive a subsidy for an MCAT preparation course.

A minimum of 16 credit hours is required for the certificate.

If students wish to continue their studies, they can apply to the Biomedical Research Program non-thesis Master of Science (M.S.) program with emphasis in Medical Sciences. The courses in the certificate program (described below) count towards the required courses for the M.S. degree.

Admission Requirements

- A baccalaureate degree from an accepted, accredited college or university.
- Successful completion, with a grade of C or better, of one year each of general biology, general chemistry, organic chemistry, and physics, all with associated laboratories.
- Successful completion, with a grade of C or better, of one semester of biochemistry.
- Successful completion, with a grade of C or better, of one year of social or behavioral sciences.
- While not required, it is recommended applicants take one or more of these courses: anatomy, cell biology, immunology, molecular biology, physiology, statistics.
- A recommended minimum Grade Point Average (GPA) of 3.0.
- A recommended minimum GPA of 3.0 in combined science and math courses.
- Official transcript(s) from undergraduate degree granting institution(s). Transcripts for post-baccalaureate or graduate coursework may be required at the discretion of the program.
- Departmental materials: three recommendations, written statement addressing educational and career goals, CV/resume.

The GRE / MCAT is not required; however, GRE / MCAT scores can be submitted to strengthen your application. Applications are accepted on

a rolling basis and are reviewed until the class is filled. Applications are only considered once all required documentation has been received.

The Medical Science Certificate program admits students in both the fall and spring terms.

Applications are accepted on a rolling basis and are reviewed until the class is filled. The application deadline for fall admission is June 30. The application deadline for spring admission is December 1. International applicants should adhere to the deadlines set by the Office of Admissions.

Conditional Admission

The Health Sciences Certificate program may admit applicants conditionally, for one term, pending receipt of the final official transcript from the undergraduate degree-granting institution.

Graduation Requirements

Students must complete the program with a minimum GPA of 3.0. The Comprehensive Assessment will consist of a multiple-choice exam covering all courses. The student must achieve a minimum score of 70% to pass this exam.

Course Requirements

Course Requirements

Code	Title	Credit Hours
BMR 601	Intro DNA, RNA & Proteins	3
BMS 605	Micro Pharm Med Sciences	5
PHS 629	Mammalian Physiology	6
BMS 634	Biostat Epidem Med Sci	2
Total Credit Hours		16

Plan of Study

Fall		Credit Hours
BMR 601	Intro DNA, RNA & Proteins	3
BMS 605	Micro Pharm Med Sciences	5
Credit Hours		8
Spring		Credit Hours
PHS 629	Mammalian Physiology	6
BMS 634	Biostat Epidem Med Sci	2
Credit Hours		8
Total Credit Hours		16