

BASIC MEDICAL SCIENCES (GRADUATE CERTIFICATE)

The Graduate Certificate in Basic Medical Sciences (BMS) will offer a didactic, multidisciplinary (broadly-based), and human biology-oriented curriculum. The GC program can enhance the academic preparation of individuals holding a bachelor's, master's or professional degree who are seeking to subsequently matriculate into human or veterinary medical, dental, or other health professional degree programs. The curriculum can facilitate career advancement of individuals employed in the areas of biomedical research and science education.

Program Requirements

The Graduate Certificate in Basic Medical Sciences will require completion of 16 credits in BMS core courses with an overall GPA of 3.0 or greater. While not all courses listed are mandatory, courses must be taken in three different disciplines (based on course identifier). All course work must be completed in accordance with the regulations of the Graduate School (<https://bulletins.wayne.edu/graduate/general-information/academic-regulations/>) and the School of Medicine (<https://bulletins.wayne.edu/graduate/school-medicine/programs/>) governing graduate scholarship and degrees.

Core Courses

Code	Title	Credits
BIO 6000	Molecular Cell Biology I	3
BMB 7010	General Biochemistry Lecture	4
CB 7210	Fundamentals of Cancer Biology	4
IM 7010	Fundamentals of Immunology	2
IM 7020	Fundamentals of Microbiology	2
IM 7030	Molecular Biology of Viruses	2
MGG 7010	Molecular Biology and Genetics	4
PHC 6500	Drugs and the Addictive Process	3
PHC 7010	Pharmacology Lecture	4
PHC 7410	Principles of Toxicology	3
PSL 7010	Basic Graduate Physiology Lecture I	4
PSL 7030	Basic Graduate Physiology Lecture II	4
PYC 7010	Basis of Neural Sciences I: Mechanisms and Molecules	3
BMS 6550	Medical Anatomy for Health Professionals	4