

**MIDWESTERN UNIVERSITY - GLENDALE
COLLEGE OF HEALTH SCIENCES
MASTER OF BIOMEDICAL SCIENCES
CURRICULUM 2010 - 2011**

2-Jul-10

FIRST YEAR

SECOND YEAR

Fall Quarter

BMED 510	Research Topics & Methods	2.0	Core
BMED 519	Laboratory Rotation	1.5	Core
BMED 550	Biochemistry	3.0	Core
BMED 554	Molecular Cell Biology	3.0	Core
PHYS 571	Human Physiology-I	4.0	Core
HIST 1502	Histology	3.0	Seq 1
BMED 508	Learning Styles and Assessment	1.0	Elective
BMED 805	Medical Terminology	2.0	Elective
BMED 806	Pre-Professional Exam Prep.-I	2.0	Elective
BMED 821	Emerging Infectious Diseases	1.0	Elective
BMED 834	Embryology	2.0	Elective
BMED 845	Oncology	3.0	Elective
BMED 871	Medicinal Chemistry I	1.5	Elective

Winter Quarter

BMED 511	Research Design & Statistics	3.0	Core
BMED 512	Research Literature Review	2.0	Core
BMED 605	Journal Club	1.0	Core
BMED 680	Laboratory Research	1.0	Core
PHYS 582	Human Physiology-II	4.0	Core
ANAT 503	Human Anatomy w/Lab	4.0	Seq 1
BMED 522	Microbiology, Immunology, & Virology-I	3.0	Seq 2
BMED 574	Pharmacology-I	3.0	Seq 3
BIOC 550	Nutritional Biochemistry w/Lab	4.0	Elective
BMED 807	Pre-Professional Exam Prep.-II	2.0	Elective
BMED 824	Issues in Bioterrorism	1.0	Elective
BMED 872	Medicinal Chemistry II	1.5	Elective
BMED 876	Pharmacognosy	2.0	Elective
BMED 878	Drugs of Addiction	2.0	Elective

Spring Quarter

BMED 515	Research Protocol	2.0	Core
BMED 517	Ethics of Research & Experimentation	3.0	Core
BMED 541	Genetics	3.0	Core
BMED 606	Journal Club	1.0	Core
BMED 681	Laboratory Research	1-9	Core
BMED 523	Microbiology, Immunology, & Virology-II	3.0	Seq 2
BMED 575	Pharmacology-II	3.0	Seq 3
BMED 516	Introduction to Medical Ethics	3.0	Elective
BMED 860	Cardiovascular Biophysics	4.0	Elective
BMED 860L	Cardiovascular Biophysics Lab	2.0	Elective
BMED 863	Neuroscience	3.0	Elective
BMED 865	Pathophysiology	4.0	Elective
BMED 873	Medicinal Chemistry III	1.5	Elective
BMED 877	Dangerous Plants & Animals	2.0	Elective
ELEC 1643	Evolution, Medicine, and the Natural History of Disease	2.0	Elective

Summer Quarter

BMED 607	Journal Club	1.0	Core
BMED 612	Good Laboratory Practice	3.0	Core
BMED 682	Laboratory Research	1-10	Core
BMED 686	Laboratory Research	1-10	Core
BMED 693	Research Thesis	1-2	Core
BMED 697	Research Thesis	1-2	Core

Fall Quarter

BMED 608	Journal Club	1.0	Core
BMED 683	Laboratory Research	1-10	Core
BMED 687	Laboratory Research	1-10	Core
BMED 690	Research Thesis	1-2	Core
BMED 694	Research Thesis	1-2	Core

Winter Quarter

BMED 594	Research Seminar	1.0	Core
BMED 609	Journal Club	1.0	Core
BMED 614	Advanced Research Design & Statistics	3.0	Core
BMED 684	Laboratory Research	1-10	Core
BMED 688	Laboratory Research	1-10	Core
BMED 691	Research Thesis	1-2	Core
BMED 695	Research Thesis	1-2	Core

Spring Quarter

BMED 685	Laboratory Research	1-10	Core
BMED 689	Laboratory Research	1-10	Core
BMED 692	Research Thesis	1-2	Core
BMED 696	Research Thesis	1-2	Core

COURSES WITH QUARTERS TO BE DETERMINED

BMED 813	Writing for Publications	3.0	Elective
BMED 818	Grant Writing in the Health Sciences	3.0	Elective
BMED 891	Advanced Topics-1	1-3	Elective
BMED 892	Advanced Topics-2	1-3	Elective
BMED 893	Special Topics	1-3	Elective

**1st Year Elective Courses are also available to
2nd Year Students**

Students must take at least one of Sequence 1, 2, or 3