

**MIDWESTERN UNIVERSITY - GLENDALE  
COLLEGE OF HEALTH SCIENCES  
MASTER OF BIOMEDICAL SCIENCES  
CURRICULUM 2009 - 2010**

6-Oct-09

**FIRST YEAR**

**Fall Quarter**

BMED 502	Histology	3.0	Core
BMED 510	Research Topics & Methods	3.0	Core
BMED 550	Biochemistry	5.0	Core
ETHC 505	Ethics of Research & Experimentation	3.0	Core
PHYS 471	Human Physiology-I	4.0	Core
BMED 307	Medical Terminology	2.0	Elective
BMED 404	Pre-Professional Exam Prep.	2.0	Elective
BMED 421	Prion Diseases	1.0	Elective
BMED 428	Public Health	3.0	Elective
BMED 429	Epidemiology	1.0	Elective
BMED 440	Oncology	3.0	Elective
BMED 455	Biotechnology	3.0	Elective
BMED 560	Biophysics	4.0	Elective
BMED 560L	Biophysics Lab	2.0	Elective
BMED 571	Medicinal Chemistry-I	1.5	Elective

**Winter Quarter**

BMED 503	Human Anatomy w/Lab	4.0	Core
BMED 522	Microbiology, Immunology, & Virology-I	3.0	Core
BMED 551	Research Literature Review	2.0	Core
BMED 574	Pharmacology-I	3.0	Core
BMED 605	Journal Club	1.0	Core
PHYS 482	Human Physiology-II	4.0	Core
BMED 341	Genetics-I	3.0	Elective
BMED 375	Pharmacognosy	2.0	Elective
BMED 405	Pre-Professional Exam Prep.	2.0	Elective
BMED 450	Nutritional Biochemistry w/Lab	4.0	Elective
BMED 572	Medicinal Chemistry-II	1.5	Elective
CVSP 551	Applied Cardiovascular Anatomy and Embryology	2.0	Elective

**Spring Quarter**

BMED 504	Neuroanatomy	2.0	Core
BMED 511	Research Design & Statistics	3.0	Core
BMED 523	Microbiology, Immunology, & Virology-II	3.0	Core
BMED 552	Research Protocol	2.0	Core
BMED 575	Pharmacology-II	3.0	Core
BMED 580	Laboratory Research	1.0	Core
BMED 606	Journal Club	1.0	Core
BMED 324	Parasitology	4.0	Elective
BMED 409	Drugs of Addiction	2.0	Elective
BMED 414	Embryology	2.0	Elective
BMED 418	Selected Topics in Evolution	2.0	Elective
BMED 424	Applied Microbiology	3.0	Elective
BMED 435	Pathophysiology	4.0	Elective
BMED 442	Genetics-II	3.0	Elective
BMED 448	Genomics & Proteomics	4.0	Elective
BMED 477	Dangerous Plants & Animals	2.0	Elective
BMED 573	Medicinal Chemistry-III		
CVSP 552	Cardiovascular Pathology	3.0	Elective

**SECOND YEAR**

**Summer Quarter**

BMED 514	Advanced Research Design & Statistics	3.0	Core
BMED 520	Good Laboratory Practice	3.0	Core
BMED 581	Laboratory Research	6-10	Core
BMED 585	Laboratory Research	6-10	Core
BMED 589	Laboratory Research	6-10	Core
BMED 598	Research Thesis	1-2	Core
BMED 602	Research Thesis	1-2	Core
BMED 607	Journal Club	1.0	Core

**Fall Quarter**

BMED 582	Laboratory Research	6-10	Core
BMED 586	Laboratory Research	6-10	Core
BMED 595	Research Thesis	1-2	Core
BMED 599	Research Thesis	1-2	Core
BMED 608	Journal Club	1.0	Core

**Winter Quarter**

BMED 553	Research Seminar	1.0	Core
BMED 583	Laboratory Research	6-10	Core
BMED 587	Laboratory Research	6-10	Core
BMED 596	Research Thesis	1-2	Core
BMED 600	Research Thesis	1-2	Core
BMED 609	Journal Club	1.0	Core

**Spring Quarter**

BMED 584	Laboratory Research	6-10	Core
BMED 588	Laboratory Research	6-10	Core
BMED 597	Research Thesis	1-2	Core
BMED 601	Research Thesis	1-2	Core

**COURSES WITH QUARTERS TO BE DETERMINED**

BMED 513	Writing for Publications	3.0	Elective
BMED 518	Grant Writing in the Health Sciences	3.0	Elective
BMED 535	Advanced Topics-1	3.0	Elective
BMED 536	Advanced Topics-2	3.0	Elective
BMED 540	Special Topics	1.0	Elective

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

***Total for Program Completion: 72***