

BIOMEDICAL LABORATORY SCIENCE MAJOR
Sample Course Plan 2013 – 2014
bld.msu.edu

YEAR	FALL SEMESTER			SPRING SEMESTER			Summer Options
Freshman	CEM 141	General Chemistry	4	IAH 201-211*	Integrative Studies in Arts & Humanities	4	Study Abroad: studyabroad.isp.msu.edu
	CEM 161	Chemistry Lab I	1	BS 161	Cell & Molecular Biology	3	
	MTH 116	College Algebra & Trigonometry	5	BS 171	Cell & Molecular Biology Lab	2	
	WRA or or	Writing, Rhetoric, American Culture	4	MTH 124/132	Survey of Calculus I	3	
	ISS 2XX*	Integrative Studies in Social, Behavioral and Economic Sciences		Elective	Elective	3	
				CEM 162	Chemistry Laboratory II	1	
		Term Credits	14		Term Credits	16	
Sophomore	BLD 213	Applic of Clinical Lab Principles	2	CEM 252	Organic Chemistry II	3	Study Abroad
	CEM 251	Organic Chemistry I	3	PHY 232	Introductory Physics II	3	
	PHY 231	Introductory Physics I	3	STT 201	Statistical Methods	4	
	PSL 310	Physiology for Pre-Health Professionals	4	BLD 220	Health Careers Preparation	1	
	Elective	Elective	4	BLD 204	Mechanisms of Disease	3	
		Term Credits	16		Term Credits	14	
Junior	Elective	Elective	3	BLD 435	Transfuse Transplant Medicine	2	Study Abroad
	BLD 434	Clinical Immunology	3	BLD 430	Molecular Lab Diagnostics	2	
	BLD 324	Fundamental Heme, Coag, Urine	3	BLD 414	Clinical Chemistry Analysis & Practice	3	
	ISS 2XX*	Integrative Studies in Social, Behavioral and Economic Sciences	4	BMB 401	Basic Biochemistry	4	
	Elective	Elective	3	MMG 201	Fundamentals of Microbiology	3	
		Term Credits	16		Term Credits	14	
Senior	Elective	Elective	4	BLD 450	Eukaryotic Pathogens	3	Study Abroad
	MMG 463	Medical Microbiology	3	ISS 3XX*	Integrative Studies in Social, Behavioral and Economic Sciences	4	
	IAH 2XX*	Integrative Studies in Arts & Humanities	4	BLD 424	Adv Heme/Coag/Urinalysis	2	
	BLD 416	Clinical Chemistry	4	BLD 455	Integ Clin LabSci Discip (W)	2	
				Elective	Elective	4	
		Term Credits	15		Term Credits	15	
Total Credits						120	

Approved course substitutions include:

BMB 401(4) - BMB 461 (3) and BMB 462 (3)

CEM 162(1) - CEM 262 (2)

MTH 132(3) - MTH 124 (3)

MMG 201 (3) – MMG 301 (3)

PSL 310(4) - PSL 431(3) and PSL 432 (3) or PSL 250(4)

STT 201(4) - STT 200 (3) or STT 231 (4)

Electives expected by clinical sites for students applying for post-Baccalaureate internships:

MMG 464 (2) FS Senior Year

BLD 413 (1) SS Senior Year

Electives to complete premedical requirements:

PHY 251 (1) CEM 255 (2) BS 162 (3) BS 172 (2)

PHY 252 (1) CEM 142 (3) ZOL 341 (4)

NOTE: For an updated list for premed requirements, consult with the preprofessional academic advisor

*Many of the courses in the Arts and Humanities and Social, Behavioral, and Economic Sciences arenas, emphasize national diversity (designated "N" at the end of the course title), or international and multi-cultural diversity (designated "I" at the end of the course title). Some courses emphasize both national diversity, and international and multi-cultural diversity (designated "D" at the end of the course title). Students must include at least one "N" course and one "I" course in their Integrative Studies programs. A "D" course may meet either an "N" or an "I" requirement but not both.

Students are eligible to apply for post-baccalaureate internships at an approved hospital program and are qualified to take the national certification exam after their clinical experience.

Post-Baccalaureate Internship Programs in Michigan 2013 – 2014

DETROIT

DMC – University Laboratories

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GROSSE POINTE WOODS

St. John Providence Health Laboratories

Dawn Taylor, MA, MLS(ASCP)^{CM}
Program Director – Manager of Laboratory
Education
Program Supervisor - School of Medical Technology
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313-343-3433
Dawn.taylor@stjohn.org
www.stjohn.org/labcareers

Post-Baccalaureate – Out of State

www.naacls.org/search/programs.asp

FLINT

Hurley Medical Center

Beth Friedt, MT(ASCP)
Program Director – Medical Technology
One Hurley Plaza
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ROYAL OAK

Beaumont Health System

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