

CLS: PUBLIC HEALTH MICROBIOLOGY

FRESHMEN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
CHEM 102 General Chemistry*	5	CHEM 104 Gen Chemistry &Qual*	5
BIO SCI 202 Anatomy & Physiology I*	4	BIO SCI 203 Anatomy & Physiology II*	4
HCA 101 Intro to Health & Disease	2	HCA 224 Intro to Microcomputers	3
HCA 222 Language of Medicine	<u>3</u>	Electives	<u>3</u>
	14		15

SOPHOMORE YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BIO SCI 325 Genetics*	3	HMS 270 Statistics in Health Professions	3
CL SCI 301-303 Human Pathophysiology*	3	CL SCI 304-305 Human Pathophysiology*	2
CHEM 341 Organic Chemistry Lec*	3	CLSCI 245 Client Diversity in Health Science	3
CHEM342 Organic Chemistry Lab*	2	CL SCI 201 Sexually Transmitted Diseases	3
CL SCI 205 Intro to Diag Medicine	<u>3</u>	CHEM 221 Quantitative Analysis	<u>4</u>
	14		15

JUNIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
BIO SCI 383 General Microbiology*	4	CL SCI 534 Med Microbiology	2
CHEM 501 Biochemistry*	3	CL SCI 535 Med Microbiology Lab	2
CL SCI 427 Clin Immunology*	3	CL SCI 560 Molecular Diagnostics	2
CL SCI 428 Clin Immunology Lab*	1	CL SCI 561 Molecular Diagnostics Lab	1
HCA 212 Drugs Used & Abused	<u>3</u>	HCA 307 Epidemiology for Health Science	3
	14	HCA 311 Law for Health Care Consumers	3
		Electives	<u>3</u>
			16

SENIOR YEAR

<u>Summer Session</u>	
CL SCI 536 Applied Clinical Microbiology	3
CL SCI 537 Med Parasit/Mycology	2
Electives*	<u>5</u>
	10

SENIOR YEAR

<u>First Semester</u>		<u>Second Semester</u>	
CL SCI 539 Public Health Microbiology	2	CL SCI 531 Adv. Lectures in CLS	2
CL SCI 540 Public Health Microbiology Lab	1	CL SCI 538 Adv. Clin Micro. Practicum	3
CL SCI 555 Toxicology & TDM	1	CL SCI 548 Clinical Lab Practice	5
CL SCI 599 Independent Study	2	CL SCI 549 Professional Dev. In CLS	2
(CL SCI 547 Clinical Lab Diagnosis Immunology & Microbiology)		Electives	<u>3</u>
BIO SCI 350 Human Parasitology	3		15
BIO SCI 405 General Virology	3		
Electives	<u>3</u>		
	15		

Total degree credits 128

*Students must achieve a minimum cumulative GPA of 2.5 in these required science courses.

Electives must be used to satisfy the GER distribution requirement of 3 crs. fine arts, 6 crs. humanities, and 6 crs. social science

The following is a list of CHS courses not required in your curriculum. We invite you to consider these when choosing courses to satisfy free electives or GER requirements.

Course Number	Course Title	GER Designation	Credits
CLSCI 101	Intro to Clinical lab Sciences		2
CLSCI 205	Intro to Diagnostic Medicine	Natural Science	3
CLSCI	Intro to Complementary and Alternative Med	Social Science	3
HMS 101	Intro to Leisure	Humanities	3
HCA 105	Survey of the Health Professions	Social science	3
CLSCI 610	Pharmacology		3

Additional recommended electives

BIO SCI 536 Applied Microbiology & Biotechnology 2 cr.

BIO SCI 663 Lab Techniques in Molecular Biology - 4 cr.

BIO SCI 667 Adv. Lab Techniques in Microbial, Molecular, and Cellular Biology – 3 cr.