

BS IN CLINICAL LABORATORY SCIENCES REQUIRED COURSES

Communications: 6 required credits¹

COM 115: Principles of Communication (3)

BHS 230: Sophomore Seminar (3)

¹All incoming students are assessed for their writing ability. The assessment is designed to direct students to the courses for which they are best prepared in the first year of the curriculum.

Humanities, Culture and Health: 18 required credits

***Humanities Methods and Approaches Selective**

ART 105 Introduction to Drawing (3)

HIS 141 Modern American History (3)

LIT 2XX African Literature, Film, and Music (3)

PHI 250 Religion as the Search for Meaning (3)

ETH 310: Bioethics (3)

PSY 101: General Psychology (3)

Social Science Elective (3)

****Science and Health Through Humanities Lenses Selective**

HUM 220 Medical Humanities (3)

LIT 220 Suicide and/as Literature: East-West (3)

PHI 280 The Philosophy and Practice of Yoga (3)

Basic Sciences: 42 required credits

BIO 101 and 102: General Biology I and II (4, 4)

BIO 213 and BIO 214: Anatomy and Physiology I and Lab (3, 1)

BIO 215 and BIO 216: Anatomy and Physiology II and Lab (3, 1)

BIO 225 Genetics (3)

BIO 235: Cell Biology (3)

BIO 236: Cell Biology Laboratory (1)

CHE 101 and 102: General Chemistry I and II (4, 4)

CHE 245: Survey of Organic Chemistry (4)

CHE 311: Biochemistry I (3), CLS 348 Clinical Biochemical Techniques (1)

MAT 145: Elementary Statistics (3)

Biomedical Sciences: 7 required credits

BHS 201: Medical Terminology (3)

BHS 345 and BHS 346: Molecular Diagnostics and Lab (3, 1)

Clinical Sciences: 50 required credits

- CLS 327 and 329: Clinical Microbiology I and II (3, 3)
- CLS 328 and 330: Clinical Microbiology I and II Lab (1, 1)
- CLS 317: Clinical Hematology (3)
- CLS 318: Clinical Hematology Lab (1)
- CLS 307: Urinalysis and Body Fluids (1)
- CLS 308: Urinalysis and Body Fluids Lab (1)
- CLS 337: Clinical Immunology (3)
- CLS 338: Clinical Immunology Lab (1)
- CLS 339: Immunohematology (3)
- CLS 340: Immunohematology Lab (1)
- CLS 346: Clinical Chemistry (3)
- CLS 347: Clinical Chemistry Lab (1)
- CLS 400: Laboratory Management and Education (3)
- CLS 410: Clinical Correlations (3)
- CLS 401 and 402: Clinical Practicum I and II (9, 9)

Electives: 6 elective credits

- Free electives (6)

BS IN CLINICAL LABORATORY SCIENCES SAMPLE SCHEDULE

X	#	Course name	cr		X	#	Course name	cr
	BIO 101	General Biology I	4			BIO 102	General Biology II	4
	CHE 101	General Chemistry I	4			CHE 102	General Chemistry II	4
	COM115	Principles of Communication	3			MAT145	Elementary Statistics	3
	PSY101	General Psychology	3				Elective	3
	HUM115	Voice and Identity	3				Humanities Methods and Approaches Selective*	3
		Total	17				Total	17

X	#	Course name	cr		X	#	Course name	cr
	BHS201	Medical Terminology	3			BIO 235/236	Cell Biology with lab	4
	BIO 213	Anatomy & Physiology I Lecture	3			CHE245	Survey of Organic Chemistry	4
	BIO 214	Anatomy & Physiology I Lab	1			BHS230	Sophomore Seminar in Biomedical Technology	3
	BIO 225	Genetics	3			BIO 215	Anatomy & Physiology II Lecture	3
		Directed Elective-SOC	3			BIO 216	Anatomy & Physiology II Lab	1
		Science and Health Through Humanities Lenses Selective**	3				Elective	3
		Total	16				Total	18

X	#	Course name	cr		X	#	Course name	cr
	CLS327/328	Clinical Microbiology I	4			CLS329/330	Clinical Microbiology II	4
	CLS317/318	Clinical Hematology	4			CLS346/347	Clinical Chemistry	4
	CLS307/308	Urinalysis and Body Fluids	2			CLS339/340	Immunohematology	4
	CHE311	Biochemistry	3			CLS337/338	Clinical Immunology	4
	CLS 348	Clinical Biochemical Techniques	1					
	ETH310	Bioethics	3					
		Total	17					16

X	#	Course name	cr		X	#	Course name	cr
	CLS401	Clinical Practicum I	9			CLS402	Clinical Practicum II	9
	BHS345	Molecular Diagnostics	3			CLS410	Clinical Correlations	3
	BHS346	Molecular Diagnostics-Lab	1					
	CLS 400	Laboratory Management and Education	3					
		Total	16					12

Total Credit Hours = **129**