

Department of Clinical Laboratory Sciences
Medical Technology Pre-Medicine Curriculum

Green Highlighted Courses are science block courses for pre-professional schools

Fall Semester Year 1	Hours	Spring Semester Year 1	Hours
English 101, English Composition I	3	English 102, English Composition II	3
MTH 127 or 130	3 or 4	BSC 120, Principles of Biology I	4
CHM 211, Principles of Chemistry I	3	CHM 212, Principles of Chemistry II	3
CHM 217, Principles of Chemistry I Lab	2	CHM 218, Principles of Chemistry II Lab	2
CLS 105, Medical Laboratory Terminology	3	CMM 103, Fundamentals of Speech	3
UNI 101, New Student Seminar	1		
Total Hours	15	Total Hours	17
Fall Semester Year 2	Hours	Spring Semester Year 2	Hours
BSC 227, Human Anatomy	4	BSC 228, Human Physiology	4
BSC 121, Principles of Biology II	4	CLS 210, Clinical Immunohematology	4
CLS 110, Clinical Hematology	4	CLS 220, Clinical Microbiology	4
CLS 200, Clinical Biochemistry	4	CLS 255, Clinical Laboratory Problems	3
		PSY 201 General Psychology	3
Total Hours	16	Total Hours	15
15 Week Hospital Based Clinical Practicum Sequence – Summer or Fall Semester			
CLS 270 Clinical Practicum Hematology	3	CLS 272 Clinical Practicum Blood Bank	3
CLS 271 Clinical Practicum Clinical Chemistry	3	CLS 273 Clinical Practicum Microbiology	3
Practicum Total Hours			12
<i>Associate Degree in Medical Laboratory Technology earned after successful completion of clinical practicum</i>			
Fall Semester Year 3	Hours	Spring Semester Year 3	Hours
MTH 122, Trigonometry	4	MTH 225, Statistics	3
CHM 355, Organic I	3	CHM 356, Organic II	3
ECN 200, Survey of Economics	3	CHM 361, Organic Lab	3
BSC 300 or 400 level elective	3-4	CLS 310, Clinical Imm. and Molecular Diag. (W.I.)	3
International Elective	3	Multicultural Elective	3
Total Hours	16-17	Total Hours	15
Summer			
PHY 201, General Physics I	3	PHY 203, General Physics II	3
PHY 202, General Physics I Lab	1	PHY 204, General Physics II Lab	1
Total Hours	4	Total Hours	4
Fall Semester Year 4	Hours	Spring Semester Year 4	Hours
CHM 345 or 365 Analytical or Biochemistry	3-4	CLS 466 Diagnostic Physiology	2
CLS 410 Advanced Hem. And Blood Bank	4	CLS 468 Senior Research/Capstone	2
CLS 421 Advanced Clinical Chemistry and Micro.	4	CLS 472 Advanced Clinical Practicum Hem and BB	3
CLS 460 Laboratory Mgt. and Education	3	CLS 473 Advanced Clinical Practicum Chem&Micr.	3
CLS 464 Laboratory Instrumentation	3	CLS 499 Seminar in Laboratory Medicine	2
		International Elective	3
Total Hours	17-18	Total Hours	15

Contact: College of Health Profession for more information.