

## SAMPLE PROGRAM OF STUDY FOR THE MEDICAL TECHNOLOGY OPTION

### FRESHMAN First Semester

Course Num.	Course Name	Credits
Eng 101	Freshman English	3
Chem 105 or Chem 115	General and Quantitative/ Fundamental Chemistry	5
CLS 105	Introduction to Health Professions (SS)	3
Hum/Soc Sci		6
		17

### SOPHOMORE First Semester

Course Num.	Course Name	Credits
Chem 325	Organic Chemistry	4
Bio 285	Human Physiology	4
Hum/Soc Sci		3
Chem 248	Quantitative Chemistry	4
Wellness (A/A)		1
		16

### JUNIOR First Semester

Course Num.	Course Name	Credits
CLS 385	Professional Development	3
CLS 415	Hematology	4
CLS 427	Clinical Parasitology	1
CLS 428	Clinical Mycology	1
CLS 435	Immunology	3
Chem 365	Biochemistry	4
		16

Application for the clinical practicum experience is completed in the junior year. The minimum grade point average requirement is 2.75 overall and in the sciences.

### SENIOR First Semester

Course Num.	Course Name	Credits
CLS 406	Clinical Chemistry Practicum	4
CLS 426	Diagnostic Microbiology Practicum	5
CLS 436	Clinical Immunology Practicum	2
CLS 476	Clinical Body Fluid Analysis	1
CLS 497	Clinical Correlations 2	1
		13

### Second Semester

Course Num.	Course Name	Credits
Eng 102	Freshman English	3
Chem 106 or Chem 116	General and Quantitative/ Fundamental Chemistry	5
CLS 295	Medical Terminology	2
Bio 160	Intro to Animal Biology	5
CLS 125	Intro to Clinical Lab Science	1
CLS 225	Intro to Clinical Lab Science 2	1
		17

### Winterim

Course Num	Course Name	Credits
CLS 205	Clinical Orientation	1
		1

### Second Semester

Course Num.	Course Name	Credits
Chem 326	Organic Chemistry	4
History	History	3
Bio 210	Principles of Genetics	3
Bio 333	General Microbiology	4
HP/W (HE)		2
		14

### Second Semester

Course Num.	Course Name	Credits
CLS 375	Quality Systems in the Clinical Lab	1
CLS 405	Clinical Chemistry	4
CLS 414	Hemostasis	1
CLS 425	Diagnostic Medical Microbiology	5
Hum/Soc Sci		3
EL		3
		17

### Second Semester

Course Num.	Course Name	Credits
CLS 416	Clinical Hematology practicum	4
CLS 446	Clinical Immunohematology Practicum	3
CLS 456	Ad. Applications Practicum	1
CLS 486	Mgmt & Lab Info Systems	2
CLS 498	Clinical Correlations 3	1
CLS 499	Advanced Clinical Studies	2
		13

### Summer

Course Num	Course Name	Credits
Comm 101	Fund. Oral Comm.	2
		2

### Summer (or Interims)

Course Num	Course Name	Credits
Math 355	Elementary Statistical Methods	4
Hum/Soc Sci		3
		7

### Summer

Course Num	Course Name	Credits
CLS 365	Body Fluid Analysis	2
CLS 445	Immunohematology	3
CLS 465	Molecular Pathology	3
CLS 495	Research Design and Methods	1
CLS 496	Clinical Correlations 1	1
		10

Total Credits – 143