

**Study plan for students joining the Biomedical Science program in Fall**

(Revised Oct 2017)

Fall 1st Semester						Spring 2nd Semester					
Code	Course	T	P	Cr	Prereq.	Code	Course	T	P	Cr	Prereq.
	English 202 (Core requirement)	3	0	3			English 203 (Core requirement)	3	0	3	
<b>MEDI 102</b>	<b>Medical Education</b>	<b>2</b>	<b>3</b>	<b>3</b>		<b>MEDI 103</b>	<b>Human Structures and Function II</b>	<b>2</b>	<b>3</b>	<b>3</b>	MEDI 101
CHEM 101	General Chemistry I	3	0	3		BIOM 212	Human Histology	2	3	3	
CHEM 103	Exp. General Chemistry I	0	3	1	CHEM 101	CHEM 209	Fundamentals of Organic Chemistry	2	3	3	CHEM 101&103
<b>PUBH 151</b>	<b>Biostatistics</b>	<b>3</b>	<b>0</b>	<b>3</b>			Core courses			6	
<b>MEDI 101</b>	<b>Human Structures and Function I</b>	<b>2</b>	<b>3</b>	<b>3</b>							
	Total			16			Total			18	
Fall 3rd Semester						Spring 4th Semester					
Code	Course	T	P	Cr	Prereq.	Code	Course	T	P	Cr	Prereq.
	Core courses			9			Core courses			9	
BIOM 217	Human Genetics	2	3	3	<b>MEDI101&amp;103</b>	BIOM 320	Medical Molecular Biology	2	3	3	BIOM 217
CMPS 101	Introduction to Computer	3	2	3		CHEM 351	Basic Biochemistry	3	0	3	CHEM 209
BIOL 241	Microbiology	2	3	3	BOIL 101 override	CHEM 352	Experimental Biochemistry	0	3	1	CHEM 351
						BIOM 243	Introduction to Pathology	2	0	2	
	Total			18			Total			18	
Fall 5th Semester						Spring 6th Semester					
Code	Course	T	P	Cr	Prereq.	Code	Course	T	P	Cr	Prereq.
BIOM 324	Medical Virology	1	2	2	BIOM 243	BIOM 418	Pharmacology & Toxicology	2	0	2	<b>MEDI101&amp;103</b>
BIOM 346	Clinical Chemistry	3	3	4	CHEM 351	BIOM 463	Endocrinology	3	0	3	<b>MEDI101&amp;103</b>
BIOM 426	Clinical Immunology	2	3	3	BIOM 243	BIOM 322	Medical Microbiology	3	3	4	BIOL 241
BIOM 402	Special Topics	2	0	2		BIOM 451	Hematology & Hemostasis	2	6	4	BIOM 243
BIOM 446	Urine Analysis & Body Fluids	1	3	2	<b>MEDI101&amp;103</b>	BIOM 323	Medical Parasitology	2	3	3	BIOL 241
	Core courses	0	0	3							
	Total			16			Total			16	
Fall 7th Semester						Spring 8th Semester					
Code	Course	T	P	Cr	Prereq.	Code	Course	T	P	Cr	Prereq.
BIOM 301	Laboratory management	3	0	3		BIOM 491	CP in Chemistry	0	9	3	BIOM 346
BIOM 444	Histopathology	1	3	2	BIOM 212	BIOM 492	CP in Hematology	0	9	3	BIOM 451
BIOM 422	Diagnostic Microbiology	1	3	2	BIOM 322	BIOM 493	CP in Immunology	0	9	3	BIOM 426
BIOM 452	Immunochem. & Blood Bank	2	3	3	BIOM 451	BIOM 494	CP in Microbiology	0	9	3	BIOM 422
BIOM 497	Research	3	0	3	Dept. App.	BIOM 495	CP in Immunohematology	0	9	3	BIOM 452
BIOM 411	Forensic Science (or Elective)	2	0	2		BIOM 496	Professional Development	3	0	3	Dept. App.
	Total			15			Total			18	

**Study plan for students joining the Biomedical Science program in Spring**

(Revised Oct 2017)

Spring 1st Semester					
Code	Course	T	P	Cr	Prereq.
	English 202 (Core requirement)	3	0	3	
<b>MEDI 102</b>	<b>Medical Education</b>	<b>2</b>	<b>3</b>	<b>3</b>	
CHEM 101	General Chemistry I	3	0	3	
CHEM 103	Exp. General Chemistry I	0	3	1	CHEM 101
<b>PUBH 151</b>	<b>Biostatistics</b>	<b>3</b>	<b>0</b>	<b>3</b>	
<b>MEDI 101</b>	<b>Human Structures and Function I</b>	<b>2</b>	<b>3</b>	<b>3</b>	
	Total			16	

Spring 3rd Semester					
Code	Course	T	P	Cr	Prereq.
	Core courses			9	
BIOM 217	Human Genetics	2	3	3	<b>MEDI101&amp;103</b>
CMPS 101	Introduction to Computer	3	2	3	
BIOM 243	Introduction to Pathology	2	0	2	
	Total			17	

Spring 5th Semester					
Code	Course	T	P	Cr	Prereq.
BIOM 320	Medical Molecular Biology	2	3	3	BIOM217
BIOM 322	Medical Microbiology	3	3	4	BIOL 241
BIOM 451	Hematology & Hemostasis	2	6	4	BIOM 243
BIOM 323	Medical Parasitology	2	3	3	BIOL 241
	Core Courses			3	
	Total			17	

Spring 7th Semester					
Code	Course	T	P	Cr	Prereq.
BIOM 301	Laboratory management	3	0	3	
BIOM 444	Histopathology	1	3	2	BIOM 212
BIOM 497	Research	3	0	3	Dept. App.
BIOM 418	Pharmacology & Toxicology	2	0	2	<b>MEDI101&amp;103</b>
BIOM 463	Endocrinology	3	0	3	<b>MEDI101&amp;103</b>
BIOM 411	Forensic Science (or Electives)	2	0	2	
	Total			15	

Fall 2nd Semester					
Code	Course	T	P	Cr	Prereq.
	English 203 (Core requirement)	3	0	3	
<b>MEDI 103</b>	<b>Human Structures and Function II</b>	<b>2</b>	<b>3</b>	<b>3</b>	MEDI 101
BIOM 212	Human Histology	2	3	3	
CHEM 209	Fundamentals of Organic Chemistry	2	3	3	CHEM 101&103
	Core courses			6	
	Total			18	

Fall 4th Semester					
Code	Course	T	P	Cr	Prereq.
	Core courses			9	
BIOL 241	Microbiology	2	3	3	
CHEM 351	Basic Biochemistry	3	0	3	CHEM 211
CHEM 352	Experimental Biochemistry	0	3	1	CHEM 351
BIOM402	Special Topics	2	0	2	
	Total			18	

Fall 6th Semester					
Code	Course	T	P	Cr	Prereq.
BIOM 324	Medical Virology	1	2	2	BIOM 243
BIOM 346	Clinical Chemistry	3	3	4	CHEM 351
BIOM 426	Clinical Immunology	2	3	3	BIOM 243
BIOM 422	Diagnostic Microbiology	1	3	2	
BIOM 446	Urine Analysis & Body Fluids	1	3	2	<b>MEDI101&amp;103</b>
BIOM 452	Immunochem. & Blood Bank	2	3	3	BIOM 451
	Total			16	

Fall 8th Semester					
Code	Course	T	P	Cr	Prereq.
BIOM 491	CP in Chemistry	0	9	3	BIOM 346
BIOM 492	CP in Hematology	0	9	3	BIOM 451
BIOM 493	CP in Immunology	0	9	3	BIOM 426
BIOM 494	CP in Microbiology	0	9	3	BIOM 422
BIOM 495	CP in Immunohematology	0	9	3	BIOM 452
BIOM 496	Professional Development	3	0	3	Dept App.
	Total			18	