



**Biomedical Sciences
Sample Traditional Curriculum Plan**

Course	1 st Trimester Fall	Hours	Course	2 nd Trimester Spring	Hours
ENG 101	English Composition I	3	ENG 102	English Composition II	3
BIO 110	General Biology I	4	BIO 120	General Biology II	4
HSC 104	Baptist College Experience	1	PSY 201	Psychology	3
CHE 115	General Chemistry I	4	CHE 125	General Chemistry II	4
MAT 110	College Algebra	3	AHS 202	Medical Terminology	2
	Total	15		Total	16

Course	3 rd Trimester Fall	Hours	Course	4 th Trimester Spring	Hours
CHE 210	Organic Chemistry I	4	CHE 220	Organic Chemistry II	4
BIO 342	Human Anatomy	4	BIO 345	Human Physiology	4
HSC 410	Professional Health Care Roles	3	MAT 240	Elements of Calculus	3
COM	Communications Elective	3	ENG 104	Medical Writing	1
			SOC 201	Medical Sociology	3
	Total	14		Total	15

Course	5 th Trimester Fall	Hours	Course	6 th Trimester Spring	Hours
CHE 310	Biochemistry	4	PSY 301	Human Growth & Development	3
PHY 200	Physics I	4	PHY 205	Physics II	4
HSC 461	Bio-technique Seminar	2	MAT 211	Statistics	3
HIS/LIT/PHI/PSY/REL/SOC	Humanities Elective	3	PHI 301	Biomedical Ethics	3
	Foreign Language Elective	3		Major Electives	3
	Total	16		Total	16

Course	7 th Trimester Fall	Hours	Course	8 th Trimester Spring	Hours
HSC 301	US Healthcare Systems	3	BIO 410	Molecular Cell Biology	4
BIO 350	Genetics	3	ENG	Literature Elective	3
BIO 205	Microbiology	4	REL	Religion Elective	3
	Major Electives	3		Major Elective	3
	Major Electives	3		Major Elective	3
	Total	16		Total	16

Major Electives (15 hours)

Category I- Upper Level (Minimum 8 hrs)			Category II- Lower Level		
BIO 340	Histology	4	BIO 301/310	Pathophysiology/Applied Pathophysiology	3
BIO 380	Physiological Psychology	3	BIO 315	Applied & Environmental Microbiology	3
BIO 390	Immunology	3	BIO 320	Cross-Sectional Anatomy	2
BIO 420	Endocrinology	3	BIO 401-404	Special Topics in Biology	1-4
BIO 460	Cancer Biology	3	HSC 320	Research for Healthcare Professionals	3
CHE 330	Molecular Pharmacology	3	ECO 205	Health Economics	3
HSC 350/POH 442	Perspectives in Epidemiology/Principles in Public Health and Epidemiology	3			
HSC 310	Adverse Childhood Experiences	3			
HSC 460	Undergraduate Research	1			
MAT 310	Biostatistics	3			
POH 375	Global Infectious Diseases	3			
PSY 320	Psychopathology	3			