

LECOM Medical Sample Plan 4+4, BIO Major

First Year					
Fall			Spring		
Course		Credits	Course		Credits
CHE 161	General Chemistry 1	4	CHE 162	General Chemistry 2	4
CHE 168	General Chemistry 1 Lab	1	CHE 169	General Chemistry 2 Lab	1
ENG 101	Writing and Rhetoric	3	BIO 202	Principles of Biology 2	4
MAT 221	Calculus 1	4	COM 101	Introduction to Communication	3
COL 101	Introduction to College Experiences	1	PED 100	Health & Wellness Gen Ed	1
THE ___	Introductory Theology	3	XXX	Foreign Language/ Gen Ed	3
Total: 16			Total: 16		

Second Year					
Fall			Spring		
Course		Credits	Course		Credits
BIO 201	Principles of Biology 1	4	PHY 201*	Physics 1: Space, Time and Motion	5
CHE 221	Organic Chemistry 1	3	CHE 222	Organic Chemistry 2	3
HIS ___	History	3	CHE 228-9	Organic Chemistry Labs	2
THE ___	Biblical Theology	3	BIO 341	General Microbiology	4
LAS 101	The Great Ideas	2	XXX	Fine Arts Gen Ed	3
Total: 15			Total: 17		

Third Year					
Fall			Spring		
Course		Credits	Course		Credits
BIO 350	Biochemistry	3	ENG ___	English literature	3
BIO 360	Genetics	4	BIO 331	Cell Biology	4
BIO 225	Human Anatomy and Physiology 1	4	BIO 255	Human Anatomy and Physiology 2	4
DSC 311	Applied Statistics	3	BIO 323	Applied Medical Terminology	3
THE ___	Applied Theology	3	PSY 101**	Intro to Psychology	3
Total: 17			Total: 17		

Fourth Year					
Fall			Spring		
Course		Credits	Course		Credits
BIO 401	Research Strategies	2	PSY 120**	Human Growth and Development	3
LAS 401/402	Liberal Arts Capstone	1	BIO 402/403	Research Strategies 2 or Senior Thesis	1-3
BIO 380	Ecology	4	THE ___	Systematic Theology	3
BIO 354	Immunology	3	SOC 101	Introduction to Sociology	3
BIO 425	Advanced Human Anatomy	4	XXX	Elective or Gen Ed	3
Clinical job shadowing / internship					
Total: 14			Total: 13-15		

*PHY 151/152 is acceptable instead of PHY 201/202 in which case student might not have to take MAT 221

** Any two behavioral science classes may be taken to fulfil LECOM requirement

- Courses used to fulfill prerequisites for admission to the LECOM College of Medicine are **in red**, recommended courses are *italicized*.
- Courses fulfilling requirements for a major in Biology are **bolded**.