

## LECOM Medical Sample Plan 4+4, BIO Major

First Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>CHE 161</b>	<b>General Chemistry 1</b>	<b>4</b>	<b>CHE 162</b>	<b>General Chemistry 2</b>	<b>4</b>
<b>CHE 168</b>	<b>General Chemistry 1 Lab</b>	<b>1</b>	<b>CHE 169</b>	<b>General Chemistry 2 Lab</b>	<b>1</b>
ENG 101	Writing and Rhetoric	3	<b>BIO 202</b>	<b>Principles of Biology 2</b>	<b>4</b>
<b>MAT 221</b>	<b>Calculus 1</b>	<b>4</b>	COM 101	Introduction to Communication	3
COL 101	Introduction to College Experiences	1	LAS 101	Liberal Arts Seminar	1
THE ____	Introductory Theology	3	XXX	Foreign Language/ Gen Ed	3
Total: 16			Total: 16		

Second Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>BIO 201</b>	<b>Principles of Biology 1</b>	<b>4</b>	<b>PHY 201*</b>	<b>Physics 1: Space, Time and Motion</b>	<b>5</b>
<b>CHE 221</b>	<b>Organic Chemistry 1</b>	<b>3</b>	CHE 222	Organic Chemistry 2	3
HIS ____	History	3	CHE 228-9	Organic Chemistry Labs	2
THE ____	Biblical Theology	3	<b>BIO 341</b>	<b>General Microbiology</b>	<b>4</b>
PED 100	Health & Wellness Gen Ed	1	XXX	Fine Arts Gen Ed	3
Total: 14			Total: 17		

Third Year					
Fall			Spring		
Course		Credits	Course		Credits
<b>BIO 350</b>	<b>Biochemistry</b>	<b>3</b>	ENG ____	English literature	3
<b>BIO 360</b>	<b>Genetics</b>	<b>4</b>	<b>BIO 331</b>	<b>Cell Biology</b>	<b>4</b>
<b>BIO 225</b>	<b>Human Anatomy and Physiology 1</b>	<b>4</b>	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
<b>BIO 401</b>	<b>Research Strategies</b>	<b>2</b>	PSY 120**	Human Growth and Development	3
LAS 401/402	Liberal Arts Capstone	2	<b>BIO 402/403</b>	<b>Research Strategies 2 or Senior Thesis</b>	<b>1-3</b>
<b>BIO 380</b>	<b>Ecology</b>	<b>4</b>	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: 15			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**.