

LECOM Dental 4+4 Sample Plan, 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 and Activity	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	Organic Chemistry Lab	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	BIO 331	Cell Biology	4
BIO 360	Genetics	4	<i>BIO 255</i>	<i>Human Anatomy and Physiology 2</i>	4
BIO 225	Human Anatomy and Physiology 1	4	BIO 323	Applied Medical Terminology	3
DSC 311	Applied Statistics	3	PSY 101/120	Intro to Psych or Human Growth and Development	3
THE ___	Applied Theology	3			
Total: 17			Total: 14		

Fourth Year					
Fall			Spring		
Course		Credits	Course		Credits
LAS 401/402	Liberal Arts Capstone	1	BIO 402/403	Research Strategies 2 or Senior Thesis	1-3
BIO 401	Research Strategies	2	ENG ___	English literature	3
BIO 380	Ecology	4	THE ___	Systematic Theology	3
<i>BIO 354</i>	<i>Immunology</i>	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

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