

School of Theoretical and Applied Science

Biology: Medical College EAP**(Joint LECOM***) 3+4 Track

Recommended Four-Year Plan (Fall 2022)

The recommended four-year plan is designed to provide a blueprint for students to complete their degrees within four years. These plans are the recommended sequences of courses. Students must meet with their Major Advisor to develop a more individualized plan to complete their degree. This plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which are not listed in the plan.

NOTE: This recommended Four-Year Plan is applicable to students admitted into the major during the 2022-2023 academic year.

First Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
Gen Ed: INTD 101-First Year Seminar	4		BIOL 113-Fundamentals of Biology II*^	4	
CHEM 116-General Chemistry I^	4		BIOL 113L-Fundamentals of Biology II Lab *^	1	
CHEM 116L-General Chemistry I Lab^	1		CHEM 117-General Chemistry II Lecture*^	4	
BIOL 111-Fundamentals of Biology I ^	4		CHEM 117-General Chemistry II Lab*^	1	
BIOL 111L-Fundamentals of Biology I Lab^	1		Gen Ed Quantitative Reasoning: MATH 121-Calculus I ^{ABC}	4	
Gen Ed: CRWT 102-Critical Reading & Writing II^	4		Gen Ed: SOSC 110-Social Science Inquiry ^	4	
			Career Pathways: PATH TS1 – Career Pathways Module 1	Degree Rqmt.	
Total:	18		Total:	18	

Summer Semester	HRS	✓
PSYC 101-Introduction to Psychology^	4	
Total:	4	

Second Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
CHEM 211-Organic Chemistry I Lecture *^	4		Biology Elective	4- 5.5	
CHEM 211L-Organic Chemistry I Lab*^	1		BIOL 221-General Ecology *	4	
BIOL 332-Genetics* ^	4		Gen Ed: AIID 201-Studies in Arts and Humanities or HNRS 201-Honors Studies in the Arts and Humanities **^	4	
BIOL 332L-Genetics Lab* (WI)^	1.5		CHEM 213-Organic Chemistry II Lecture *^	4	
Gen Ed: Historical Perspectives **	4		CHEM 213L-Organic Chemistry II Lab*^	1	
Gen Ed: Global Awareness **	4		Career Pathways: PATH TS3 – Career Pathways Module 3	Degree Rqmt.	
Career Pathways: PATH TS2 – Career Pathways Module 2	Degree Rqmt.				
Total:	18.5		Total:	17- 18.5	

Third Year					
Fall Semester	HRS	✓	Spring Semester	HRS	✓
PHYS 111-Fundamentals of Physics I [^]	4		PHYS 113-Fundamentals of Physics II Lecture*	4	
PHYS 116L or 118L-Introductory Physics I Lab [^]	1		PHYS 119L-Introductory Physics II Lab*	1	
BIOL 407-Cell and Molecular Biology * (WI)	4		BIOL 356-Evolution* (WI)	4	
BIOL 407L-Cell and Molecular Biology lab*	1.5		CHEM 425-Biochemistry ^{**}	4	
PSYC 242-Statistics or ENSC 345-Research Design & Statistics	4		Gen Ed: Culture & Creativity, Systems Sustainability & Society, or Values & Ethics** (Must be outside of TAS)	4	
Gen Ed: Culture & Creativity, Systems Sustainability & Society, or Values & Ethics**	4				
Total:	18.5		Total:	17	

Fourth Year	
Lake Erie College of Medicine	

Total Credits Required: 128 credits (actual RCNJ credits = 111.5)

Minimum GPA: 3.2 Science; 3.5 overall

*This course has a pre-requisite. Please refer to the course catalog for information about pre-requisites.

*Biology Electives require at least a "C" average in BIOL111 and BIOL 113.

[^] No grade below C will be accepted

^AThis course requires a CLM test for placement purposes.

^BIf needed.

^C If Pre-Calculus is taken then a summer course would be needed between the First and Second year

WI: Writing Intensive-3 required in the major

** General Education courses can be taken in any sequence, not necessarily what is suggested here.