Oregon State University College of Science Graduation Checklist

BioHealth Sciences Pre-Clinical Laboratory Science 2017-18

Students interested in Clinical Laboratory Science may complete a B.S. degree at OSU before applying to and attending a clinical laboratory science program. Most out-of-state clinical laboratory science programs require a Bachelor of Science degree prior to admission into their program. ***Students*** *are ultimately responsible for completion of requirements to their choice of schools because the requirements for admission vary. Satisfactory completion of the courses recommended below does* ***not*** *guarantee admission to a CLS program since applicants are selected on a competitive basis.*

BACCALAUREATE CORE REQUIREMENTS (48 credits + 3 credits WIC)

Skills Courses (15 cr + WIC)

- ☐ Writing I (3) _____
- ☐ Writing II (3) _____
- ☐ COMM (3) _____
- ☒ Mathematics (3) Fulfilled below
- ☐ Lifetime Fitness (2) _____
- ☐ Lifetime Fitness Lab (1) (PAC) _____
- ☒ Writing Intensive Course (3) _____

Synthesis Courses (6 cr): *No more than two courses from any one department may be used by a student to satisfy the synthesis category.*

- ☐ Contemporary Global Issues (3) _____
- ☐ Sci. Tech. & Soc. (3) _____

Perspectives Courses (27 cr): *No more than two courses from any one department may be used by a student to satisfy the perspectives category.*

- ☒ Physical Science (+lab) (4) Fulfilled below
- ☒ Biological Science (+lab) (4) Fulfilled below
- ☒ 2nd Phys/Biol Sci (+lab) (4) Fulfilled below
- ☐ Western Culture (3) _____
- ☐ Cultural Diversity (3) _____
- ☐ Literature & Arts (3) _____
- ☐ Social Processes & Institutions (3) _____
- ☐ Differ. Power & Discrim. (3) _____

MAJOR & OPTION REQUIREMENTS:

Required courses are to be taken on a graded (A-F) basis; *required courses may* **NOT** *be taken on an S/U graded basis. All prerequisite courses for CLS schools should be completed with a "C" or higher in order to be considered by professional schools.*

- ☐ PHAR 210 Terminology of Health Science
- ☐ MTH 111 College Algebra (4)
- ☐ MTH 112 Elem. Functions (4)
- ☐ ST 201 Principles of Statistics or
- ☐ ST 351 Intro to Statistical Methods (4)
- ☐ BI 211 Principles of Biology (4)
- ☐ BI 212 Principles of Biology (4)
- ☐ BI 213 Principles of Biology (4)
- ☐ BI 331/341 Anatomy & Physiology (5)
- ☐ BI 332/342 Anatomy & Physiology (5)
- ☐ BI 333/343 Anatomy & Physiology (5)
- ☐ MB 302 General Microbiology (3)
- ☐ MB 303 General Microbiology Lab (3)
- ☐ MB 310 Bacterial Molecular Genetics (3) or BI 311 Genetics (4)
- ☐ MB 311 Molecular Microbiology Lab (3) or BHS 323 Microbial Influences on Human Health (3)
- ☐ MB 416 Medical Immunology (3) prereq BB 450
- ☐ CH 231 & 261 General Chemistry (5)
- ☐ CH 232 & 262 General Chemistry (5)
- ☐ CH 233 & 263 General Chemistry (5)
- ☐ CH 331 Organic Chemistry (4)
- ☐ CH 332 Organic Chemistry (4)
- ☐ CH 337 Organic Chemistry Lab (4)
- ☐ PH 201 General Physics (5)
- ☐ PH 202 General Physics (5)
- ☐ PH 203 General Physics (5)
- ☐ BB 314 Cell and Molecular Biology (4)
- ☐ BB 450/451 General Biochemistry (4,3)
- ☐ MB 311 (3) or BHS 323 (3) or MB 385 (3) or HSTS 417 (4) (WIC)

Elective credits to total 60 upper-division credits beyond the upper division hours that are part of this major.

Sample: 4-year Program for BHS Major, Pre-Clinical Laboratory Sciences Option

CAUTION: The pre-clinical lab science track meets the requirements for many schools. However, **STUDENTS** must check prerequisites at any school to which they apply for current information.

*Note: The Principles of Biology series may be taken out of order. Taking BI 213 this term will greatly improve course sequencing later in the degree plan.

	Fall		**Winter**		**Spring**		
First Year	CH 231 & 261	5	CH 232 & 262	5	CH 233 & 263	5	
	MTH 111	4	MTH 112	4	BI 213*	4	
	WR 121[1]	3	COMM[1]	3	Bacc Core	3	
	BHS 199	1	Bacc Core	3	HHS 231	2	
	Bacc Core	3			HHS Lab/PAC	1	
		16		15		15	(46)
Second Year	BI 211	4	BI 212	4	BI 314	4	
	CH 331	4	CH 332	4	CH 337	4	
	ST 201	4	WR II[1] (222 rec)	4	PHAR 210	2	
	Bacc Core	3	Bacc Core	3	Bacc Core	3	
					Elective[2,4]	2	
		15		15		15	(45)
Third Year	BI 331	3	BI 332	3	BI 333	3	
	BI 341	2	BI 342	2	BI 343	2	
	MB 302	3	BB 450	4	BB 451	3	
	MB 303	2	Synthesis	3	Elective[2,4]	7	
	Elective[2,4]	5	Elective[2,4]	3			
		15		15		15	(45)
Fourth Year	PH 201	5	PH 202	5	PH 203	5	
	MB 416	3	MB 310	3	MB 311	3	
	Elective[2,4]	4	Elective[2,4]	4	Elective[2,4]	4	
	UD Elective	3	UD Elective	3	Synthesis	3	
		15		15		15	(45)

OSU Institutional Requirements

	Required	Completed	Deficient
Total Hours (one degree)	180		
Upper Division	60		
Residency (45 of last 75)	45		

IMPORTANT INFORMATION

1. *WR 121 and COMM must be completed satisfactorily (C-) within the first 45 hours of OSU work.* WR II must be completed satisfactorily within the first 90 hours of OSU work. Transfer students must complete WR II and COMM within the first 45 hours at OSU.
2. Students should be aware that some programs require a certain number of credits of Writing, Literature, and Social Science beyond an introductory level. It is the student's responsibility to educate themselves and fulfill all prerequisites requested by schools of their choice.
3. A minor in chemistry is possible with one additional non-organic chemistry class such as CH 324 (Quantitative Analysis – 4 cr). These classes MAY count for the Upper Division Science elective required above (consult with advisor).
4. Information about the Medical Lab Science Program at OIT/OHSU can be found at www.oit.edu.