

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) HHS 231
- Lifetime Fitness Lab (1)/PAC _____
- Writing Intensive Course (3) See below

Synthesis Courses (6 cr):

The two courses used to fulfill the Synthesis requirements may **not** be in the same department.

- Contemporary Global Issues (3) H 312 (see below)
- 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 (w/ lab) (4) Fulfilled below
- Biological Science (w/ lab) (4) Fulfilled below
- 2nd Phys./Biol. Sci. (w/lab) (4) Fulfilled below
- Western Culture (3) _____
- Cultural Diversity (3) _____
- Literature and the Arts (3) _____
- Social Processes and Institutions (3) PSY 201/202
- Differ. Power, and Discrim. (3) (SOC 206 recom.)

MAJOR & OPTION REQUIREMENTS: Required Courses Are To Be Taken On a Graded Basis; they may **NOT** be taken on an S/U graded basis. All prerequisite courses for PA schools must be completed with a "C" or better in order to be accepted by professional schools.

- CH 231 & 261 General Chemistry (5)
- CH 232 & 262 General Chemistry (5)
- CH 233 & 263 General Chemistry (5)
- BI 211 Principles of Biology (4)
- BI 212 Principles of Biology (4)
- BI 213 Principles of Biology (4)
- 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)
- MTH 111 College Algebra(4)
- MTH 112 Elem. Functions(4)
- ST 201 Principles of Statistics (4)
- or ST 351 Into to Statistical methods (4)
- BB 314 Cell and Molecular Biology (4)
- BB 450/451 General Biochemistry (4,3)
- BI 311 Genetics (4)
- MB 302 General Microbiology (3)
- MB 303 General Microbiology Lab (2)
- BI 331/341 Anatomy & Physiology (5)
- BI 332/342 Anatomy & Physiology (5)
- BI 333/343 Anatomy & Physiology (5)
- PHAR 210 Medical Terminology (2)
- MB 416 MB 416 Medical Immunology (3) prereq BB 450
- 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)

Cultural Competency: (Choose Two Courses)

- ANTH 240 Introduction to Biological Anthropology (3)
- ANTH 345 Bio and Cultural Constructions of Race (3)
- ECON 383 The Economics of Discrimination (4)
- ES 351 Ethnic Minorities in Oregon (4)
- ES 353 Environmental Racism (4)
- FCSJ/ANTH 361 Food Justice (4)
- HDFS 201 Contemporary Families in the U.S. (3)
- MB 330 Disease and Society (3)
- PHL 280 Ethics of Diversity (4)
- PSY 426 Psychology of Gender (4)
- PSY 466 Fat Studies (4)
- SOC 426 Social Inequality (4)
- WGSS/QS 262 Introduction to Queer Studies (3)
- WGSS 414 Systems of Oppression in Women's Lives (4)
- MB 311(4) or BHS 323 (3) or MB 385 (3) or HSTS 417 (4) (w/c)

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	BB 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.