

Oregon State University College of Science Graduation Checklist

BioHealth Sciences Pre-Optometry 2016-17

The following pre-optometry curriculum satisfies the entrance requirements of **most** accredited optometry schools in the United States. Because the requirements for admission to the schools of optometry vary, **students** are ultimately responsible for completion of requirements to their choice of schools. Satisfactory completion of coursework does **not** guarantee admission to an optometry program since applicants are accepted on a competitive basis. To prepare for optometry schools, students must complete prerequisite courses which usually can be accomplished in three years. However, completion of a bachelor's degree increases applicants' competitiveness for admissions. Completion of an optometry school program leads to the Doctor of Optometry degree.

REQUIRED COURSES ARE TO BE TAKEN ON A GRADED BASIS.

- All prerequisite courses for optometry schools must be completed with a "C" or better in order to be accepted by the school.

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):

Courses for Synthesis requirements may **not** be in the same department.

- 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 (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) _____

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 optometry schools must be completed with a "c" or better in order to be accepted by professional schools.

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|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> CH 231 & 261 General Chemistry (5) <input type="checkbox"/> CH 232 & 262 General Chemistry (5) <input type="checkbox"/> CH 233 & 263 General Chemistry (5)
 <input type="checkbox"/> BI 211 Principles of Biology (4) <input type="checkbox"/> BI 212 Principles of Biology (4) <input type="checkbox"/> BI 213 Principles of Biology (4)
 <input type="checkbox"/> CH 331 Organic Chemistry (4) <input type="checkbox"/> CH 332 Organic Chemistry (4) <input type="checkbox"/> CH 337 Organic Chemistry Lab (4)
 <input type="checkbox"/> MTH 251 Differential Calculus (4) <input type="checkbox"/> MTH 252 Integral Calculus (4) <input type="checkbox"/> ST 201 Principles of Statistics (4) <input type="checkbox"/> ST 202 Principles of Statistics (4)
 <input type="checkbox"/> PH 201 General Physics (5) <input type="checkbox"/> PH 202 General Physics (5) <input type="checkbox"/> PH 203 General Physics (5) | <ul style="list-style-type: none"> <input type="checkbox"/> BI 314 Cell and Molecular Biology (4) <input type="checkbox"/> BI 311 Genetics (4)
 <input type="checkbox"/> MB 302 General Microbiology (3) <input type="checkbox"/> MB 303 General Microbiology Lab (3)
 <input type="checkbox"/> BB 450 General Biochemistry (4) <input type="checkbox"/> BB 451 General Biochemistry Lab (3)
 <input type="checkbox"/> BI 331 Human Anatomy & Physiology (3) <input type="checkbox"/> BI 341 Human Anatomy & Physiology Lab (2) <input type="checkbox"/> BI 332 Human Anatomy & Physiology (3) <input type="checkbox"/> BI 342 Human Anatomy & Physiology Lab (2) <input type="checkbox"/> BI 333 Human Anatomy & Physiology (3) <input type="checkbox"/> BI 343 Human Anatomy & Physiology Lab (2)
 <input type="checkbox"/> PSY 201 General Psychology (3) <input type="checkbox"/> PSY 202 General Psychology (3)
 <input type="checkbox"/> BHS 323 (3) or MB 385 (3) or HSTS 415/417/419/422/425 (4) (counts as WIC) |
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Sample: 4-year program for BHS Major, Pre-Optometry

CAUTION: The pre-OPT track meets the requirements of **many** schools. However, **STUDENTS** must check Pre-requisites at any school to which they apply for up-to-date information.

	Fall		Winter		Spring		
First Year	CH 231 & 261	5	CH 232 & 262	5	CH 233 & 263	5	
	MTH ¹	4	MTH 251	4	MTH 252	4	
	WR 121 ¹	3	PSY 201	3	PSY 202	3	
	Bacc. Core ⁴	3	HHS 231	2	COMM 111 ^{1(rec)}	3	
	<hr/>	15	HHS lab/PAC	1	<hr/>	15	(45)
		15		15			
Second Year	BI 211	4	BI 212	4	BI 213	4	
	CH 331	4	CH 332	4	CH 337	4	
	ST 201	4	ST 202	4	WR II ¹ (222 rec)	3	
	Bacc. Core ⁴	3	Bacc. Core ⁴	3	Bacc. Core ⁴	3	
	<hr/>	15		15	<hr/>	14	(44)
		15		15			
Third Year	PH 201	5	PH 202	5	PH 203	5	
	BI 331	3	BI 332	3	BI 333	3	
	BI 341	2	BI 342	2	BI 343	2	
	Bacc. Core ²	3	Bacc Core (GCI)	3	Bacc Core (STS)	3	
	Elective ³	3	Elective ⁶	2	Elective ⁶	2	
	<hr/>	16		15	<hr/>	15	(46)
		16		15			
Fourth Year	BI 314	4	BI 311	4	MB 302 ⁹	3	
	BB 450	4	BB 451	3	MB 303 ⁹	2	
	Electives ^{3,6}	8	Electives ^{3,5}	8	BHS 323 (WIC)	3	
		<hr/>	16		<hr/>	6	
		16		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:

- WR 121, COMM, and MTH 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 of OSU credits.
- Some optometry schools require 9-12 credits of Writing and Literature. WR 327 is recommended. It is the responsibility of the students to educate themselves and fulfill **ALL** prerequisites requested by professional schools.
- Recommended electives: PH 332; PHL 444; PHAR 210; MB 416; Foreign Language, especially Spanish.
- Many optometry schools require courses in Humanities and/or Social Sciences. The Baccalaureate Core may be used for completion of those requirements.
- A minor in Chemistry is possible with one additional non-organic chemistry class such as CH 324, Quantitative Analysis (4cr.). A minor in Psychology and/or EXSS is also attainable; see your advisor for details.
- Applicants should have a minimum of **50 hours** of observation experience under the supervision of an optometrist, preferably in more than one mode of practice. These Optometrists will be the reference letter writers for students.
- Applicants to schools of optometry should take the Optometry Admission Test (OAT) no later than October (check with individual schools) of the academic year in which they apply. The Association of Schools and Colleges of Optometry www.opted.org offers an informative web page, including links to all the optometry schools. Additional information may be found at the American Academy of Optometry: www.aaopt.org; American Optometric Association: www.aoanet.org; and Pacific University: www.pacificu.edu