

Oregon State University College of Science Graduation Checklist BioHealth Sciences Pre-Dental 2016-17

The following pre-dental curriculum satisfies the entrance requirements of **most** accredited schools in the United States. Because the requirements for admission vary, **students** are ultimately responsible for completion of requirements to their choice of schools. Satisfactory completion of coursework does **not** guarantee admission to dental program since applicants are accepted on a competitive basis. To prepare for dental schools, students must complete a bachelor's degree and all prerequisite courses. In addition, **paid, volunteer, or shadowing experience with a general dentist is usually required to obtain a letter of recommendation needed for admission to most programs.**

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) _____
- 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 basis; required courses may **NOT** be taken on an S/U graded basis. All prerequisite courses for dental schools should be completed with a "C" or better in order to be considered by professional schools.

- BHS 199 BioHealth Science Orientation (1)

- 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 251 Differential Calculus (4)
 - MTH 252 Integral Calculus (4) or
ST 201 Principles of Statistics (4) or ST 351 (4)
- (Note: College of Science requires 12 cr. of Mathematics)

- BI 314 Cell and Molecular Biology (4)
- BI 311 Genetics (4)
- MB 302 General Microbiology (3) & MB 303 General
Microbiology Lab (2)
- BB 450/451 Biochemistry (4,3)
- Z 425 Embryology (5)

- BI 331 Human Anatomy & Physiology (3)
- BI 341 Human Anatomy & Physiology Lab (2)
- BI 332 Human Anatomy & Physiology (3)
- BI 342 Human Anatomy & Physiology Lab (2)
- BI 333 Human Anatomy & Physiology (3)
- BI 343 Human Anatomy & Physiology Lab (2)

- BHS 323 (3) or MB 385 (3) or HSTS
415/417/419/422/425 (4) (counts as WIC)

Suggested electives:

- BI 107: Pre-Dental Orientation (1)
- CH 324 Quantitative Analysis (4) - *for Chemistry minor*
- H 320 Intro to Human Diseases (3)
- H 312 AIDS & STDs (3)
- MB 480 General Parasitology (3)
- MB 499 Mechanisms of Disease (3)
- NUTR 225 General Human Nutrition (3)
- PHAR 210 Medical Terminology (2)
- PHL 444 Biomedical Ethics (4)
- PSY 330 Brain & Behavior (4) - *PSY 201 & 202 pre-reqs.*
- Foreign language (e.g. SPAN 111, FR 111, etc.)

Sample: 4-year program for BHS/ Pre-Dental

CAUTION: The pre-dental track meets the requirements for **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 112	4	MTH 251	4	MTH 252 or ST	4
	WR 121 ¹	3	PSY 201 or 202	3	COMM	3
	Bacc. Core ⁴	3	HHS 231	2	Bacc. Core ⁴	3
	<u>BHS 199</u>	<u>1</u>	<u>BI 107</u>	<u>1</u>		
	16		15		15	(46)
Second Year	BI 211	4	BI 212	4	BI 213	4
	CH 331	4	CH 332	4	CH 337	4
	WR II ¹ (222 rec)	3	Bacc. Core ⁴	6	Elective ^{2,3,5}	4
	<u>Bacc. Core⁴</u>	<u>3</u>	<u>PAC 1XX</u>	<u>1</u>	<u>Bacc. Core⁴</u>	<u>3</u>
		14		15		15
Third Year	BI 314	4	BI 311	4	PHAR 210	2
	BI 331	3	BI 332	3	BI 333	3
	BI 341	2	BI 342	2	BI 343	2
	BB 450	4	BB 451	3	Elective ^{2,3,5}	7
	<u>Elective^{2,3,5}</u>	<u>3</u>	<u>Elective^{2,3,5}</u>	<u>3</u>		
	16		15		14	(45)
Fourth Year	PH 201	5	PH 202	5	PH 203	5
	Z 425	5	BHS 323 (WIC)	3	Elective ^{2,3,5}	10
	MB 302	3	Elective ^{2,3,5}	7		
	<u>MB 303</u>	<u>2</u>				
		15		15		15

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 dental schools require a certain number credits of Writing and Literature beyond an introductory level. It is the responsibility of the students to educate themselves and fulfill all prerequisites requested by professional schools.
3. Recommended electives: CH 324, NUTR 225, PSY 330, PHL 444, foreign language, etc. Check with professional schools for further recommendations.
4. Some Dental schools may require courses in Humanities and/or Social Sciences. The Baccalaureate Core may be used for completion of those requirements.
5. 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). A minor in Psychology is also attainable; see your advisor for details.
6. Most Dental schools require a recommendation letter from a practicing general dentist and minimum number of hours observing a general dentist; check with individual dental schools of interest for appropriate number of hours needed.
7. The American Dental Education Association GoDental website, www.adea.org/GoDental/ offers valuable information to future dental students. The site provides links to schools across the country. Most schools require application to their program through a centralized application site - Associated American Dental Schools Application Service (AADSAS). The application portal can be found at <https://portal.aadsasweb.org>.
8. Dental schools require students to take the Dental Admissions Test (DAT). Register 60-90 days prior to your desired test date sometime in May-August, one year in advance of when you plan to begin dental school. Detailed information about the DAT and other dental application information can be found at www.adea.org/GoDental/.
9. Information about Oregon Health Sciences University dental program can be obtained by contacting sodadmit@ohsu.edu.