

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

The following pre-med 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 medical programs since applicants are accepted on a competitive basis. In addition, **research, paid, volunteer, or shadowing experience is usually recommended to obtain reference letters needed for the application.**

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)

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) _____
- Differ., Power, and Discrim. (3) _____

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) _____

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

- BI 109 Pre-med Orientation (1)
- BHS 199 BioHealth Sciences Orientation (1)
- 3 credits UD Science elective (MB 302 suggested)
- BHS 323 (3) or MB 385 (3) or HSTS 415/417/419/422/425 (4) (counts as WIC)

- CH 231 & 261 General Chemistry (5)
- CH 232 & 262 General Chemistry (5)
- CH 233 & 263 General Chemistry (5)

Suggested electives:

- 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)
- ST 201 Principles of Statistics (4) or ST 351 (4)
- BB450/451 Biochemistry (4,3)
- BI 314 Cell and Molecular Biology (4)
- BI 311 Genetics (4)
- BI 460 Cell Biology
- CH 324 Quantitative Analysis (4)
- Z 425 Embryology
- ANTH 383 Intro to Medical Anthropology (3)
- BB 332 Molecular Medicine (3)
- 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)
- BI 420 Viruses in Modern Society (3)
- H 210 Intro to the Health Care System (3)
- H 312 AIDS & STDs (3)
- H 320 Intro to Human Diseases (3)
- MB 330 Disease and Society (3)
- MB 480 General Parasitology (3)
- MB 499 Mechanisms of Disease (3)
- NUTR 225 General Human Nutrition (3)
- PHL 205 Ethics (4)
- PHL 444 Biomedical Ethics (4)
- SOC 204 Intro to Sociology (3)
- PSY 201 General Psychology (3)
- PSY 202 General Psychology (3)
- PSY 350 Human Lifespan Development (4)
- PSY 381 Abnormal Psychology (4)
- PHAR 210 Medical Terminology (2)
- 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-Medicine

CAUTION: The pre-medicine 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	4	
	WR 121 ¹	3	PSY 201 or 202	3	COMM ¹	3	
	HHS 231	2	HHS Lab/PAC	1	PHAR 210	2	
	<u>BHS 199</u>	<u>1</u>	<u>Bacc. Core³</u>	<u>3</u>	<u>BI 109</u>	<u>1</u>	
	15		16		15		(46)
Second Year	BI 211	4	BI 212	4	BI 213	4	
	CH 331	4	CH 332	4	CH 337	4	
	ST 201 or ST 351	4	ST 202 or ST 352	4	WR II ¹	3	
	<u>PSY 201 or 202</u>	<u>3</u>	<u>Bacc. Core³</u>	<u>3</u>	<u>SOC 204</u>	<u>3</u>	
		15		15		14	
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	
	<u>PSY 350</u>	<u>4</u>	<u>Bacc. Core³</u>	<u>6</u>	<u>PSY 381</u>	<u>4</u>	
		14		16		14	
Fourth Year	BI 314	4	MB 302	3	BI 311	4	
	UD Elective ^{2,3,4}	3	MB 303	2	UD Elective ^{2,3,4}	4	
	BB 450	4	BB 451	3	Elective ^{2,3}	4	
	Elective ^{2,3}	3	BHS 323 (WIC)	3	Bacc. Core ³	3	
	<u>Bacc. Core³</u>	<u>3</u>	<u>UD Elective^{2,3,4}</u>	<u>3</u>			
		17		14		15	

OSU Institutional Requirements

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

IMPORTANT INFORMATION:

- 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.
- Recommended electives: see list of suggested electives on front side of this document
- Many medical schools prefer courses in Humanities and Social Sciences (Philosophy, Music, Foreign Language, English, Sociology, Psychology, Political Science, Economics, History, Anthropology, Women's Studies, etc). 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 – 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. Spanish proficiency is highly recommended. Medical Humanities Certificate
- The Physician Assistant Education Association <http://www.paeaonline.org/index.html> offers an informative web page. The site provides links to schools across the country. Most schools require application to their program through a centralized application site - Central Application Service for Physician Assistants (CASPA). Information about the site is at <https://portal.caspaonline.org/>
- Medical schools require students to take the MCAT no later than October/November of the academic year in which they apply. Detailed information on dates and locations can be found at www.ets.org.
- 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/.