

Oregon State University College of Science Graduation Checklist

BioHealth Sciences Pre-Medicine/Pre-Podiatry 2017-18

The following pre-med curriculum satisfies the entrance requirements of **most** accredited schools in the United States. Because the requirements for admission vary, **students** must check prerequisites at any school to which they apply for current information. Satisfactory completion of coursework does **not** guarantee admission to medical programs since applicants are accepted on a competitive basis. **Research, volunteer, and shadowing experiences are highly recommended for securing 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)

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
- Differ., Power, and Discrim. (3)(Cult. Copm, below)

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 for medical schools must be completed with a "C" or higher in order to be accepted by professional schools.*

- BI 109 Pre-med Orientation (1)
- BHS 110 BioHealth Sciences Orientation (1)
- CH 231 & 261 General Chemistry & Lab (4,1)
- CH 232 & 262 General Chemistry & Lab (4,1)
- CH 233 & 263 General Chemistry & Lab (4,1)
- 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 351 Intro to Statistical methods (4)
- BB450/451 Biochemistry (4,3)
- BB 314 Cell & Molecular Biology (4)
- BHS 329 Mechanism of Disease (3)
- BI 311 Genetics (4) **or**
 - MB 310 Bacterial Molecular Genetics (3)
- MB 302 & 303 General Microbiology & Lab (3,2)
- MB 416 Immunology (3)
- Z 431 Vertebrate Physiology I (3)
- Z 432 Vertebrate Physiology II (3)
- Writing Intensive Course (Choose one course):**
 - BHS 323 Microbial influences on Human Health (3)
 - MB 385 Emerging Infectious Diseases (3)
 - HSTS 417 History of Medicine (4)
- Chose Two Courses:**
 - MB 430 Bacterial pathogenesis (3)
 - MB 434 Virology (3)
 - MB 480 General Parasitology (3)
- ANTH 383 Intro to Medical Anthropology (3) **or**
 - PHL 444 Biomedical Ethics (4)
- H 210 Intro to Health Care System (3)
- H 225 Social & Individual Health Determinants (4)
- PHAR 210 Terminology of Health Sciences (2)
- PSY 201 General Psychology (3)
- PSY 202 General Psychology (3)
- SOC 204 Intro to Sociology (3) **or**
 - SOC 206 social problems & Issues (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)

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

CAUTION: The pre-medicine track meets the requirements for **many** schools. However, **STUDENTS** must check prerequisites 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	SOC 204	3	COMM ¹	3	
	HHS 231	2	HHS Lab/PAC	1	PHAR 210	2	
	<u>BHS 110</u>	<u>1</u>	<u>Bacc. Core²</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 351	4	Cultural Comp	4	WR II ¹	3	
	<u>PSY 201 or 202</u>	<u>3</u>	<u>PSY 201 or 202</u>	<u>3</u>	<u>Bacc. Core²</u>	<u>3</u>	
		15		15		14	
Third Year	PH 201	5	PH 202	5	PH 203	5	
	ANTH 383	3	H 210	3	BHS 329	3	
	BB 450	4	BB 451	3	Cultural Comp	3	
	<u>H 225</u>	<u>4</u>	<u>Bacc. Core²</u>	<u>3</u>	<u>BB 314</u>	<u>4</u>	
		16		14		15	
Fourth Year	MB 416	3	MB 302	3	BI 311	4	
	Bacc. Core ²	3	MB 303	2	Z 432	3	
	WIC	3	Z 431	3	Bacc. Core ²	4	
	<u>Elective^{2,3}</u>	<u>6</u>	<u>UD Elective^{2,3}</u>	<u>7</u>	<u>Bacc. Core²</u>	<u>4</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:

- 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.*
- 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 and/or a certificate in Medical Humanities are also attainable; see your advisor for details.*
- Some programs 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 <https://students-residents.aamc.org/>*