

OAKLAND UNIVERSITY
SCHOOL OF HEALTH SCIENCES
Bachelor of Science Degree - Health Sciences Major
Concentration: Pre-Pharmacy
2018-19 Major Catalog Checklist

Name: _____ Last 4 Student # _____ Date: _____

REQUIRED COURSES		Credits	Grade
**HS 1000 (101) Careers in Health		1	
*BIO 1200 (111) Biology I		4	
*BIO 2100 (205) Human Anatomy (prereq: BIO 1200 w/ min. grade of 2.0)		4	
*BIO 2101(206) Human Anatomy Lab or BIO 3621(322) Anatomy/Physiology Lab (pre/coreq: BIO 2100 w/ min. 2.0 gpa)		1	
*BIO 2600 (207) Human Physiology or BIO 3620 (321) Physiology (prereq: BIO 1200 w/ min. grade of 2.0)		4	
*PSY 1000 (100) Introductory Psychology		4	
HS 2000 (201) Introduction to Health and Health Behaviors		4	
HS 3000 (302) Community and Public Health (prereq: HS 2000 or instructor permission)		4	
HS 4500 (450) Law, Values and Health Care (prereq: WRT 1060 & senior standing 90+ credits)		4	
WRT 1050 (150) Composition I (prereq: WRT 1020 w/ min. grade of 2.0 or placement by ACT score)	Prerequisite course for WRT 1060		

GENERAL EDUCATION REQUIREMENTS			
Writing Foundations (2.0 minimal grade required) WRT 1060: Composition II		4	
Writing Intensive in General Education (Varies in concentration area. Can double count as Global Perspectives with MGT 1100 (110) – see adviser)		4	
Formal Reasoning (IHM Students need FR if STA 2220 is not completed) Can be satisfied by major: *STA 2220 (225)		4	
Arts		4	
Foreign Language and Culture		4	
Global Perspective		4	
Literature		4	
Natural Science & Technology	Satisfied by major: BIO 1200 (111), CHM 1440 (144) + 1470 (147), PHY 1010 (101) +1100 (110), HS 2000 (201)		
Social Science	Satisfied by major: PSY 1000 (100)		
Western Civilization		4	
Knowledge Applications	Satisfied by major: PHY 1020 (102), WHP 3150 (315)		
Diversity	Satisfied by major: HS 3000 (302)		
Writing Intensive in Major	Satisfied by major: HS 4500 (450)		
Capstone	Satisfied by major: HS 4500 (450)		

All students must complete 40 credits of general education, including at least one course (or three or more credits) from the list of approved courses offered in each of the following 10 areas: Writing Foundations and Formal Reasoning, Arts, Foreign Language and Culture, Global Perspective, Literature, Natural Science and Technology, Social Science, Western Civilization, and Knowledge Applications. Note that courses in these knowledge areas may not double count with each other. Students using this catalog to meet general education requirements may also use any course subsequently approved by the General Education Committee and published in a later catalog to satisfy requirements in a particular area. If a course listed below is removed from lists of approved courses in later catalogs, it may still be used to meet a general education requirement by students following the 2015-2016 catalog until the catalog expires (six years).” <http://catalog.oakland.edu>. *A 2.5 or higher may be required in each prerequisite courses for OU Doctor of Physical Therapy Professional Program.

***Pre-Pharmacy Concentration	Credit		Grade
MTH 1554(154) Calculus (prereq: MTH 1441 with min. gpa of 2.0)	4		
STA 2220(225) Introduction to Statistics or EHS 2250 Basic Statistics for Health Sciences	4		
CHM 1440(144) General Chemistry I & CHM 1470(147) Lab	4	1	
CHM 1450(145) General Chemistry II & CHM 1480(148) Lab	4	1	
PHY 1010(101) Physics I & PHY 1100(110) Lab	4	1	
PHY 1020(102) Physics II & PHY 11100(111) Lab	4	1	
CDS 2100 (MLS 2100(210)) Medical Terminology	1		
CDS 4010 (HS 4000(401)) Human Pathology (prereq: BIO 1200, 2100, 2600 or 3620)	4		
CDS 4250 (MLS 4250(425)) Medical Biochemistry (prereq: BIO 2600 or CHM 1450+1480) or BIO 3400(341) Genetics (prereq: BIO 1200 w/ min. grade of 2.0)	4		
CDS 4300 (MLS 4300(430)) Clinical Microbiology (prereq: BIO 1200)	4		
CDS 4320 (MLS 4320(432)) Medical Microbiology Lab	4		
CHM 2340(234) Organic Chemistry I (prereq: CHM 1450+1480)	4		
CHM 2350(235) Organic Chemistry II (prereq: CHM 2340)	4		
CHM 2370(237) Organic Lab I (prereq: CHM 2340)	2		
COM 2000(201) Public Speaking	4		
<u>MINIMUM OF Twenty CREDITS FROM THE FOLLOWING: (ALL 20 CREDITS AT 3000-4000 LEVEL) :</u> PSC 3110, PSC 3120; PPR 3020,PPR 3040; PHA 3030; PSC 3210; PPR 3120, PPR 3060, PPR 3070, PPR 3040 or any other course approved by the program director in writing through approved petition of exception form. Students are required to review the professional school admission requirements before selecting elective coursework. Classes under the HS Rubric that are included in the major requirements (core or concentration) CANNOT double counts towards elective credits. Students not attending WSU will need to provide proof of admission and required classes before granted permission to complete the concentration. It is highly recommended that students consult with the academic adviser prior to enrolling in any of these classes, as completion of coursework does not guarantee admission or completion of the program. Admission into an accredited PharmD program is required to complete this maturation.	20 Credits (PharmD School Credits). Students must be admitted into an accredited PharmD program to complete this 3+ 1 concentration. Credits are required for graduation.		
Professional Pharmaceutical Science Curriculum (20 credits) – Required for BS Degree			
Students pursuing concentration in Pre-Pharmacy must complete a minimum of 124 credits.			

