

## PHARMACEUTICAL SCIENCE MAJOR (PHARM.BS)

3 or 4 Years at WVWC followed by 1 year at West Virginia University or a comparable pharmacy graduate program

Option II: More than year of high school chemistry

<u>Required Courses</u>		<u>Hrs.</u>	<u>Prereq.</u>	<u>Rec.Yr.</u>
BIOL 163	Principles of Molecular Biology	4		Fr
BIOL 164	Principles of Organismal Biology	4	CHEM 131, 133L or 161, 163L	Fr
	OR			
BIOL 163	Principles of Molecular Biology	4	CHEM 131, 133L, or 161, 163L	Fr
BIOL 250	Genetics	4	BIOL 164	Fr
BIOL 252	Physiology	4	BIOL 163, 164	Jr
BIOL 360	Principles of Microbiology	4	BIOL 254; CHEM 221, 223L	Jr
CHEM 161	Accel Gen Chem for Sci Majors	3	One year HS chemistry and prof; Coreq CHEM 163L	Fr
CHEM 163L	Accel Gen Chem for Sci Maj Lab	1	One year HS chemistry and prof; Coreq CHEM 161	Fr
CHEM 221	Organic Chemistry I	3	C- or better in CHEM 131, 133L, 132, 134L; Coreq CHEM 223L	Soph
CHEM 223L	Organic Chemistry I Lab	1	C- or better in CHEM 131, 133L, 132, 134L; Coreq CHEM 221	Soph
CHEM 222	Organic Chemistry II	3	C- or better in CHEM 221, 223L; Coreq CHEM 224L	Soph
CHEM 224L	Organic Chemistry II Lab	1	C- or better in CHEM 221, 223L; Coreq CHEM 222	Soph
CHEM 231	Analytical Chemistry	3	C- or better in CHEM 131, 132, 133L, 134L; Coreq CHEM 233L	Soph
CHEM 233L	Analytical Chemistry Lab	1	C- or better in CHEM 131, 132, 133L, 134L; Coreq CHEM 231	Soph
CHEM 279	Pharmacy Seminar	1	Min grade of C in CHEM 221	Soph
CHEM 301	Laboratory Safety Management	1	CHEM 222, 224L	Jr
CHEM 320	Physical Chemistry	3	C- or better in CHEM 231, 233L; MATH 161 or 162; Coreq CHEM 322L	Jr
CHEM 322L	Physical Chemistry Lab	1	C- or better in CHEM 231, 233L; MATH 161 or 162; Coreq CHEM 320	Jr
CHEM 350	Biochemistry I	3	C- or better in CHEM 222, 224L	Jr
CHEM 351L	Biochemistry I Lab	1	C- or better in CHEM 222, 224L; Coreq CHEM 350	Jr
CHEM 370	Adv Chemistry Topics	2	CHEM 222, 224L, 231, 233L	Jr
CHEM 397/399	Summer Research or Research	0-2	CHEM 221, 223L, 231, 233L; Pre or coreq CHEM 301	Jr
^CHEM 497	Seminar	2	Sr status chem major or P/I	Jr
MATH 115	Elementary Statistics	3		Fr
MATH 161	Calculus I	4	C or better in MATH 130 or placement	
PHYS 151	General Physics I	4	Official math placement or P/I	Fr
	OR			
PHYS 161	General Physics I w/Calculus	4	Pre or coreq MATH 161	Fr
PHYS 152	General Physics II	4	Official math placement or P/I	Fr
	OR			
PHYS 162	General Physics II w/ Calculus	4	Pre or coreq MATH 161	Fr

\*61-63 total hours

^Satisfies advanced writing requirement

\*In addition, 18 hrs from the West Virginia University School of Pharmacy or a comparable pharmacy graduate program approved by WVWC Dept. of Chemistry and Biochemistry Dept are required to complete this major.

Specific required general studies courses include PHIL 230, ECON 120 and PSYC 101.

For a student to be admitted into Wesleyan's 3-year recommended plans of study for the Pharmaceutical Science major, he/she must enter Wesleyan having met the following criteria: minimum ACT math score of 26 or SAT Math score of 600; minimum composite score of 27 ACT or SAT composite of 1800; and a cumulative high school GPA of 3.5. Completion of the Wesleyan portion of the requirements does not guarantee matriculation into the WVU School of Pharmacy. Students must formally apply, have a satisfactory Wesleyan GPA, achieve a satisfactory PCAT score, and successfully interview.

NAME: \_\_\_\_\_

**B.S. Degree: Pharmaceutical Science Major (for students entering in Fall 2021/Spring 2022)**

**3 or 4 Years at WV Wesleyan College followed by 1 year at West Virginia University or comparable pharmacy graduate program**

In the "WHAT" column, enter the specific course number when applicable--e.g. HIST 121. In the "WHEN" column, enter the term and year in which the requirement is satisfied--e.g., sp '20.

General Education	
WHAT	WHEN
_____	ENGL 101* w/ C (2.0) [3 hrs]
_____	ENGL 110 w/ C (2.0)* [3 hrs]
_____	COMM 211 w/ C (2.0) [3 hrs]
_____	Dept senior seminar/writing course
_____	Met by: _____ CHEM 497 [2 hrs]
_____	FYEX 101 [3 hrs]
_____	FYEX 102 [1 hr]
_____	FYEX 103/104/105/106/107 [1 hr]
_____	FYEX 103/104/105/106/107 [1 hr]
_____	Foundational Scientific Inquiry [3-4 hrs]
_____	Foundational Quantitative Analysis [3-4 hrs]
_____	Ethical/Spiritual Explor Lens (ETSP) [3 hrs]
_____	Aesthetic Expression Lens (AEXP) [3 hrs]
_____	Per & Soc Well Being Lens (PSWB) [3 hrs]
_____	Cultural Expression Lens (CEXP) [3 hrs]
_____	Experimental Inquiry Lens (EXIN) [3 hrs]
_____	INDS 401 [1 hr]
_____	INDS 402 [1 hr]
_____	35 – 41 Total semester hours
_____	120 semester hours required for graduation

\*Enter NA (not applicable) if waived upon admission

Pharmaceutical Science Major	
Option 2: At least 1 yr high school chemistry	
WHAT	WHEN
_____	BIOL 163 [4 hrs]
_____	BIOL 164 [4 hrs]
_____	OR
_____	BIOL 163 [4 hrs]
_____	BIOL 250 [4 hrs]
_____	BIOL 252 [4 hrs]
_____	BIOL 360 [4 hrs]
_____	CHEM 1611 [3 hrs]
_____	CHEM 163L [1 hr]
_____	CHEM 221 [3 hrs]
_____	CHEM 223L [1 hr]
_____	CHEM 222 [3 hrs]
_____	CHEM 224L [1 hr]
_____	CHEM 231 [3 hrs]
_____	CHEM 233L [1 hr]
_____	CHEM 279 [1 hr]
_____	CHEM 301 [1 hr]
_____	CHEM 320 [3 hrs]
_____	CHEM 322L [1 hr]
_____	CHEM 350 [3 hrs]
_____	CHEM 351L [1 hr]
_____	CHEM 370 [2 hrs]
_____	CHEM 397/399 [0-2 hrs]
_____	CHEM 497 [2 hrs]
_____	MATH 115 [3 hrs]
_____	MATH 161 [4 hrs]
_____	PHYS 151/161 [4 hrs]
_____	PHYS 152/162 [4 hrs]
_____	61-63 semester hours

➤ In addition, 18 hrs from WVU School of Pharmacy approved by WVWC Chemistry Dept are required to complete this degree.

➤ Completion of WVWC portion of the required major requirements do not guarantee matriculation into the WVU School of Pharmacy. Students must formally apply, have a satisfactory WVWC GPA, achieve a satisfactory PCAT score and successfully interview.

➤ Except in specifically approved majors, a maximum of 52 hours in an academic discipline may count toward graduation. Three hours over the limit may count to accommodate an internship in the discipline.

➤ Only six hours of any minor may overlap with the required credit hours of a student's chosen major. The overlap constraint is not applicable to courses that majors or minors MUST take in others departments.

➤ Refer to admission requirements in the catalog.