

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 163/163L Prin of Molecular Biology + lab	3/1		Fr
BIOL 164/164L Prin of Organismal Biology + lab	3/1	Grade of C- or better in BIOL 163	Fr
<u>OR</u>			
BIOL 163/163L Prin of Molecular Biology + lab	3/1		Fr
BIOL 250/250L Genetics + lab	3/1	Grade of C- or better in BIOL 163, BIOL 164	Fr
BIOL 252/252L Physiology + lab	3/1	Grade of C- or better in BIOL 163, BIOL 164	Jr
BIOL 360/360L Prin of Microbiology + lab	3/1	BIOL 250; 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 401 Final Year Portfolio Showcase	1	Coreq CHEM 399	Sr
^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 151/151L General Physics I + lab	3/1	Official math placement or P/I	Fr
<u>OR</u>			
PHYS 161/151L Gen Physics I w/Calculus + lab	3/1	Pre or coreq MATH 161	Fr
PHYS 152/152L General Physics II + lab	3/1	Official math placement or P/I	Fr
<u>OR</u>			
PHYS 162/152L Gen Physics II w/ Calculus + lab	3/1	Pre or coreq MATH 161	Fr

*62-64 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.