

PHARMACEUTICAL SCIENCE MAJOR (PHARM.BS)

3 Years at WVWC followed by 1 year at West Virginia University

Option 1: At least 1 year high school chemistry

| <u>Required Courses</u> | | <u>Hrs.</u> | <u>Prereq.</u> | <u>Rec.Yr.</u> |
|-------------------------|---|-------------|--|----------------|
| BIOL 161 | Principles of Biology I | 4 | | Fr |
| BIOL 162 | Principles of Biology II | 4 | CHEM 131, 133L or 161, 163L | Fr |
| | OR | | | |
| BIOL 162 | Principles of Biology II | 4 | CHEM 131, 133L or 161, 163L | Fr |
| BIOL 250 | Genetics | 4 | BIOL 161 | Fr |
| BIOL 352 | Physiology | 4 | BIOL 254 or P/I | Jr |
| BIOL 360 | Principles of Microbiology | 4 | BIOL 254; CHEM 221, 223L | Jr |
| CHEM 131 | Gen Chemistry for Sci Majors I | 3 | Corereq CHEM 133L | Fr |
| CHEM 133L | Gen Chemistry for Sci Majors I Lab | 1 | Corereq CHEM 131 | Fr |
| CHEM 132 | Gen Chemistry for Sci Majors II | 3 | C- or better in CHEM 131, 133L; Coreq CHEM 134L | Fr |
| CHEM 134L | Gen Chemistry for Sci Majors II Lab | 1 | Coreq CHEM 132 | 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 | |
| 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 | 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 or P/I | 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 | 3 | C- or better in CHEM 222, 224L | Jr |
| CHEM 351L | Biochemistry 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 <u>and</u> | 4 | Official math placement or P/I | Fr |
| PHYS 152 | General Physics II | 4 | Official math placement or P/I | |
| | OR | | | |
| PHYS 161 | General Physics I w/Calculus <u>and</u> | 4 | Pre or coreq MATH 161 | Fr |
| PHYS 162 | General Physics II w/ Calculus | 4 | Pre or coreq MATH 161 | Fr |

*65-67 total hours

*In addition, 18 hours from West Virginia University of Pharmacy approved by WVWC Chemistry Department are required to complete this degree.

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.

^Satisfies advanced writing requirement

NAME: _____

**B.S. Degree: Pharmaceutical Science Major (for students entering in Fall 2018/Spring 2019)
3 Years at WV Wesleyan College followed by 1 year at West Virginia University**

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 '00.

| | | General Education |
|-------------|-------------|--|
| WHAT | WHEN | |
| _____ | _____ | ENGL 101/INDS 106* w/ C (2.0) [3 hrs] |
| _____ | _____ | ENGL 102/INDS 102* w/ C(2.0)* [3 hrs] |
| _____ | _____ | COMM 211/INDS 103 w/ C(2.0) [3 hrs] |
| | | Dept senior seminar/writing course |
| | | Met by: _____ CHEM 497 [3 hrs] |
| _____ | _____ | BIOL/CHEM/ENVS/PHSC/PHYS w/ lab [3 hrs] |
| | | /INDS 112 [4 hrs] |
| _____ | _____ | MATH (except 112,141,203,205)/ |
| | | PSYC 225/230/INDS 114 [3-4 hrs] |
| _____ | _____ | RELG/INDS 111 [3-4 hrs] |
| _____ | _____ | PHIL 230 [3 hrs] |
| _____ | _____ | INDS 120 [3 hrs]/INDS 116 [4 hrs] |
| _____ | _____ | Any literature course/INDS 113[3 hrs] |
| | | Fine Arts |
| | | _____ ART (except 265)/ |
| | | DANC/MUSC/THRE/ENGL 213/ |
| | | INDS 107 [3-4 hrs] |
| | | OR |
| | | _____ MUSC/THRE [2 hrs] |
| | | _____ same discipline [1 hr] |
| | | OR |
| | | _____ MUSC/THRE [1 hr] |
| | | _____ same discipline [1 hr] |
| | | _____ same discipline [1 hr] |
| _____ | _____ | HIST 100 or 200 level except HIST 201/ |
| | | or INDS 117 [3-4hrs] |
| _____ | _____ | PSYC 101 [3 hrs] |
| _____ | _____ | US Cultural Studies [3 hrs]/INDS 109 [4 hrs] |
| _____ | _____ | Non-Western Cultural Studies [3 hrs]/ |
| | | INDS 108 [4 hrs] |
| _____ | _____ | EXSC 110/120/121/130/201/240 |
| | | [3 hrs]/INDS 105 [4 hrs] |
| _____ | _____ | 120 semester hours required for graduation |

*Enter NA (not applicable) if waived upon admission or if completing the honors program.

➤Only six hours of any minor may overlap with the required credit hours of a student's chosen major.

| | | Pharmaceutical Science Major |
|-------------|-------------|--|
| | | Option 1: Less than 1 yr high school chemistry |
| WHAT | WHEN | |
| _____ | _____ | BIOL 161 [4 hrs] |
| _____ | _____ | BIOL 162 [4 hrs] |
| | | OR |
| _____ | _____ | BIOL 162 [4 hrs] |
| _____ | _____ | BIOL 250 [4 hrs] |
| _____ | _____ | BIOL 352 [4 hrs] |
| _____ | _____ | BIOL 360 [4 hrs] |
| _____ | _____ | CHEM 131 [3 hrs] |
| _____ | _____ | CHEM 133L [1 hr] |
| _____ | _____ | CHEM 132 [3 hrs] |
| _____ | _____ | CHEM 134L [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 [1-2 hrs] |
| _____ | _____ | 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 399 [2 hrs] |
| _____ | _____ | CHEM 497 [2 hrs] |
| _____ | _____ | MATH 115 [3 hrs] |
| _____ | _____ | MATH 161 [4 hrs] |
| _____ | _____ | PHYS 151/161 [4 hrs] |
| _____ | _____ | PHYS 152/162 [4 hrs] |
| _____ | _____ | 67 - 68 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.

➤The following limits apply when counting hours applicable toward the 120 required for graduation: 4 hours of physical activity (EXSC) and 8 hours of Music ensemble.

➤Refer to admission requirements in the catalog.