

Bachelor of Science in Pharmaceutical Sciences

Four Year Plan

Year 1 – Fall

PHR 110 – Explorations in Pharm. Practice & Sci.
 CHE 105/111 – General Chemistry & Lab
 MA 113 or 137 – Calculus
 BIO 148/**155 – Introductory Biology & Lab
 •• CIS/WRD 110 – Comp. & Comm.

Credit Hours

2
5
4
4
3

Total 18

Year 1 – Spring

CHE 107/113 - General Chemistry & Lab
 MA 114 or 138 - Calculus
 BIO 152 – Introductory Biology
 ANA 209 – Anatomy
 •• CIS/WRD 111 – Comp. & Comm.

5
4
3
3
3

Credit Hours

Total 18

Year 2 – Fall

CHE 230/231 – Organic Chemistry & Lab
 STA 296 - UK Core Statistics
 PGY 206 – Physiology
 PHY 211 – Physics

Total 15

Year 2 – Spring

PHR 210 – Medical Terminology
 CHE 232/233 – Organic Chemistry & Lab
 BIO 208/209 – Microbiology & Lab
 UK Core Arts & Creativity

2
4
5
3

Total 14

Year 3 – Fall

PHR 310 – Comm. for Pharm. Sci. (GCCCR)
 PHR 411 – Medicinal Chemistry
 BCH 401G – Biochemistry
 BIO 304 – Genetics
 UK Core Humanities

Total 16

Year 3 – Spring

PHR 320 – Clinical Implementation
 PHR 420 – Foundations of Drug Development
 PHR 421 – Applied Drug Development
 UK Core Social Sciences
 Experiential

2
3
3
3
3

Total 14

Year 4 – Fall

PHR 502 – Foundations in Pharm. Sci. I
 UK Core Citizenship
 UK Core Global Dynamics
 Free Elective

Total 12

Year 4 – Spring

PHR 521 – Kinetics & Dynamics
 PHR 522 – Foundations in Pharm. Sci. II
 Free Elective
 Free Elective

4
3
3
3

Total 13

**BIO 198 will also satisfy the Biology Lab requirement.

••Students who qualify for CIS/WRD 112 are strongly encouraged to complete that option.

This is meant to be a suggested curriculum for a typical student completing the degree in four years. Different students will have different needs. Please discuss your plan with your academic advisor and check in every semester to determine how your courses might vary. (Updated Fall 2025.)