



CHARLES UNIVERSITY

Faculty of Pharmacy in Hradec Králové

Prerequisites, Co-requisites and Incompatibilities of Compulsory Subjects

for Pharmacy Students

➤ **First section of study**

1. Exam in Microbiology shall be taken after completing Cell Biology.
2. Exam in Organic Chemistry II shall be taken after completing General and Inorganic Chemistry, and Organic Chemistry I.
3. Credit test in Bioorganic Chemistry shall be taken after completing Organic Chemistry II.
4. Exam in Pharmaceutical Botany II shall be taken after completing Pharmaceutical Botany I
5. Exam in Physical Chemistry shall be taken after completing Mathematics

➤ **Second section of study**

6. Chemical Laboratory Technique shall be enrolled in only after completing General and Inorganic Chemistry, and Organic Chemistry I.
7. Human Morphology and Physiology shall be enrolled in only after completing Cell Biology and no sooner than the course of General Biochemistry, and Immunology has been enrolled.
8. Immunology shall be enrolled in after completing Microbiology and no sooner than the course of Human Morphology and Physiology has been enrolled.
9. Analytical Chemistry shall be enrolled in only after completing Organic Chemistry II. (Exam in Analytical Chemistry shall be taken along with the exam in Instrumental Methods).
10. General Biochemistry shall be enrolled in after completing Organic Chemistry II and no sooner than the course of Human Morphology and Physiology has been enrolled.
11. Instrumental Methods shall be enrolled in no sooner than the course of Analytical chemistry has been enrolled (Exam in Analytical Chemistry shall be taken along with the exam in Instrumental Methods).
12. Pharmaceutical Analysis I shall be enrolled in no sooner than the course of Instrumental Methods has been enrolled. Credit test in Pharmaceutical Analysis I shall be taken after completion of the course of Analytical Chemistry.
13. Pharmacognosy I shall be enrolled in after completing Pharmaceutical Botany II (or former Botany) and at the same time no sooner than the course of Chemical Laboratory Technique has been enrolled.

Undergraduate Student Services

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14. Pathological Physiology for Pharmacists shall be enrolled in no sooner than the course of Human Morphology and Physiology has been enrolled. Exam in Pathological Physiology for Pharmacists shall be taken after completing the course of Human Morphology and Physiology.
15. Pathological Biochemistry shall be enrolled in no sooner than the course of General Biochemistry has been enrolled. Exam in Pathological Biochemistry shall be taken after completing the course of General Biochemistry.
16. Molecular Biology and Genetics shall be enrolled in no sooner than the course of General Biochemistry has been enrolled. Exam in Molecular Biology and Genetics shall be taken after completing the course of General Biochemistry.
17. Microbiology – practical classes shall be enrolled in after completing the course of Microbiology.

➤ **Third section of study**

18. Pharmacognosy II shall be enrolled in only after completing the course of Pharmacognosy I.
19. Biological Drugs shall be enrolled in only after completing the course of Immunology and Molecular Biology and Genetics and no sooner than the course of Pharmacology I has been enrolled.
20. Pharmaceutical Analysis II shall be enrolled in only after completing the course of Pharmaceutical Analysis I (or former Pharmaceutical Analysis I), and after completing the course of Instrumental Methods.
21. Laws and Ethics for Pharmacists shall be enrolled in only after completing Basics of Pharmacy Practice.
22. Physical Principles of Dosage Forms shall be enrolled in after completing Physical Chemistry and no sooner than the course of Pharmaceutical Technology I has been enrolled.
23. Pharmacology I shall be enrolled in only after completing Pathological Physiology for Pharmacists, Pathological Biochemistry and Molecular Biology and Genetics and no sooner than the course of Pharmaceutical Chemistry I has been enrolled.
24. Pharmacology II shall be enrolled in no sooner than the course of Pharmacology I has been enrolled, exam in Pharmacology II shall be taken after completing the course of Pharmacology I.
25. Pharmaceutical Chemistry I shall be enrolled in only after completing Organic Chemistry II, Bioorganic Chemistry (or Organic and Bioorganic Chemistry II) and General Biochemistry and no sooner than the course of Pharmacology I has been enrolled.
26. Pharmaceutical Chemistry II shall be enrolled in no sooner than the course of Pharmaceutical Chemistry I has been enrolled, exam in Pharmaceutical Chemistry II shall be taken after completing the course of Pharmaceutical Chemistry I.
27. Economics and Management of Pharmaceutical Practice shall be enrolled in only after completing the course of Basics of Pharmacy Practice and no sooner than the course of Laws and Ethics for Pharmacists has been enrolled .

28. Pharmaceutical Technology I shall be enrolled in no sooner than the course of Physical Principles of Dosage Forms, Pharmaceutical Chemistry I, Pharmacology I have been enrolled. Credit test in Pharmaceutical Technology I shall be taken after completing the course of Physical Principles of Dosage Forms.
29. Toxicology for Pharmacists shall be enrolled in no sooner than the course of Pharmacology II has been enrolled.

➤ **Fourth section of study**

30. Exam in Veterinary Drugs shall be taken after completing the course of Pharmacology I (or former Pharmacology).
31. Communication Skills for Pharmacists shall be enrolled in no sooner than the course of Pharmaceutical Care I has been enrolled.
32. Social Pharmacy shall be enrolled in only after completing the course of Economics and Management of Pharmaceutical Practice and no sooner than the course of Pharmaceutical Care I has been enrolled.
33. Clinical Pharmacy I shall be enrolled in only after completing the course of Pharmacology II (or former Pharmacology)
34. Pharmaceutical Technology II shall be enrolled in after completing the course of Pharmaceutical Technology I.
35. Pharmaceutical Care I shall be enrolled in only after completing the course of Basics of Pharmacy Practice and the course of Pharmacology II (or former Pharmacology).
36. Pharmaceutical Care II shall be enrolled in no sooner than the course of Pharmaceutical Care I has been enrolled. Exam in Pharmaceutical Care II shall be taken after completing the course of Pharmaceutical Care I, and Clinical Pharmacy I (or former Clinical Pharmacy).
37. Professional Experience in Pharmacy I shall be enrolled in only after completing Pharmaceutical Care I (or former Pharmaceutical Care). Additional enrolment is in Professional Experience in Pharmacy I allowed any time during the academic year after completing required prerequisite.
38. Applied Statistics shall be enrolled in only after completing Mathematics.

➤ **Fifth section of study**

39. Professional Experience in Pharmacy II shall be enrolled in only after completing the course of Professional Experience in Pharmacy I, Pharmaceutical Care II, Social Pharmacy and Pharmaceutical Technology II. Additional enrolment in Professional Experience in Pharmacy II is allowed any time during the academic year after completing all required prerequisites.
40. Pharmacy Practice shall be enrolled in no sooner than the course of Professional Experience in Pharmacy II has been enrolled. Additional enrolment in Pharmacy Practice is allowed any time during the academic year after completing all required prerequisites. Exam in Pharmacy Practice shall be taken after completing the course of Professional Experience in Pharmacy II (or former Six-Month Traineeship in Pharmacy).

