



FACULTY OF
SCIENCE AND
HEALTH SCIENCE



2024 - 25

Bachelor of Pharmacy (B.Pharm)

Programme Structure

Division	Faculty of Science & Health Science
School Name	School of Health Science & Technology
Department Name	Department of Pharmaceutical Science
Programme Name	B.Pharm

Credit Distribution

Course Type	Description
Programme Core	Courses dealing with foundations, depth and breadth of the major in which a student is admitted at MIT-WPU
Programme Electives	Open electives under the Programme allow students to specialise in a particular area connected to their major.
University Core	Courses that reflect the core MITWPU values and the mission of Life Transformation of students.
University Electives	Multidisciplinary courses across the faculties at MIT-WPU and outside the Programme core.

Semester	Course Type	Course Name / Course Title	Total Credits
I	Core	Human Anatomy and Physiology I - Theory	4
I	Core	Pharmaceutical Analysis I – Theory	4
I	Core	Pharmaceutics I – Theory	4
I	Core	Pharmaceutical Inorganic Chemistry - Theory	4
I	Core	Communication skills - Theory	2
I	Core	Remedial Biology/Remedial Mathematics - Theory	2
I	Core	Human Anatomy and Physiology - Practical	2
I	Core	Pharmaceutical Analysis I - Practical	2
I	Core	Pharmaceutics I - Practical	2

Semester	Course Type	Course Name / Course Title	Total Credits
I	Core	Pharmaceutical Inorganic Chemistry – Practical	2
I	Core	Communication skills – Practical	1
I	Core	Remedial Biology – Practical	1
I	Core	Yoga for Excellence in Life – I	2
		Total	32

Semester	Course Type	Course Name / Course Title	Total Credits
II	Core	Human Anatomy and Physiology II - Theory	4
II	Core	Pharmaceutical Organic Chemistry I - Theory	4
II	Core	Biochemistry - Theory	4
II	Core	Pathophysiology - Theory	4
II	Core	Computer Applications in Pharmacy - Theory	3
II	Core	Environmental sciences - Theory	3
II	Core	Human Anatomy and Physiology II - Practical	2
II	Core	Pharmaceutical Organic Chemistry I - Practical	2
II	Core	Biochemistry - Practical	2
II	Core	Computer Applications in Pharmacy - Practical	1
		Total	29

Semester	Course Type	Course Name / Course Title	Total Credits
III	Core	Pharmaceutical Organic Chemistry II - Theory	4
III	Core	Physical Pharmaceutics I - Theory	4
III	Core	Pharmaceutical Microbiology - Theory	4
III	Core	Pharmaceutical Engineering - Theory	4
III	Core	Pharmaceutical Organic Chemistry II - Practical	2
III	Core	Physical Pharmaceutics I - Practical	2
III	Core	Pharmaceutical Microbiology - Practical	2
III	Core	Pharmaceutical Engineering - Practical	2
III	Core	Foundations of Peace	2
		Total	26

Semester	Course Type	Course Name / Course Title	Total Credits
IV	Core	Pharmaceutical Organic Chemistry III- Theory	4
IV	Core	Medicinal Chemistry I – Theory	4
IV	Core	Physical Pharmaceutics II – Theory	4
IV	Core	Pharmacology I – Theory	4
IV	Core	Pharmacognosy I- Theory	4
IV	Core	Medicinal Chemistry I – Practical	2
IV	Core	Physical Pharmaceutics II – Practical	2
IV	Core	Pharmacology I – Practical	2
IV	Core	Pharmacognosy I – Practical	2
		Total	28

Semester	Course Type	Course Name / Course Title	Total Credits
V	Core	Medicinal Chemistry II – Theory	4
V	Core	Industrial Pharmacy I– Theory	4
V	Core	Pharmacology II – Theory	4
V	Core	Pharmacognosy II– Theory	4
V	Core	Pharmaceutical Jurisprudence – Theory	4
V	Core	Industrial Pharmacy I – Practical	2
V	Core	Pharmacology II – Practical	2
V	Core	Pharmacognosy II – Practical	2
V	Core	Spiritual & Cultural Heritage; Indian Experience	2
		Total	28

Semester	Course Type	Course Name / Course Title	Total Credits
VI	Core	Medicinal Chemistry III – Theory	4
VI	Core	Pharmacology III – Theory	4
VI	Core	Herbal Drug Technology – Theory	4
VI	Core	Biopharmaceutics and Pharmacokinetics – Theory	4
VI	Core	Pharmaceutical Biotechnology – Theory	4
VI	Core	Quality Assurance –Theory	4
VI	Core	Medicinal Chemistry III – Practical	2
VI	Core	Pharmacology III – Practical	2
VI	Core	Herbal Drug Technology – Practical	2
		Total	30

Semester	Course Type	Course Name / Course Title	Total Credits
VII	Core	Instrumental Methods of Analysis – Theory	4
VII	Core	Industrial Pharmacy II – Theory	4
VII	Core	Pharmacy Practice – Theory	4
VII	Core	Novel Drug Delivery System – Theory	4
VII	Core	Instrumental Methods of Analysis – Practical	2
VII	Core	Practice School	6
VII	Core	Managing Conflicts Peacefully: Tools and Techniques	2
		Total	26

Semester	Course Type	Course Name / Course Title	Total Credits
VIII	Core	Biostatistics and Research Methodology	4
VIII	Core	Social and Preventive Pharmacy	4
VIII	Core	Pharma Marketing Management	4+4=8
VIII	Core	Pharmaceutical Regulatory Science	
VIII	Core	Pharmacovigilance	
VIII	Core	Quality Control and Standardization of Herbals	
VIII	Core	Computer-Aided Drug Design	
VIII	Core	Cell and Molecular Biology	
VIII	Core	Cosmetic Science	
VIII	Core	Experimental Pharmacology	
VIII	Core	Advanced Instrumentation Techniques	
VIII	Core	Dietary Supplements and Nutraceuticals	
VIII	Core	Pharmaceutical Product Development	
VIII	Core	Project Work	6
VIII	Elective	Co-curricular & Extracurricular activities	1
		Total	23

*Modifications to the programmes and courses are contingent upon adherence to university guidelines and procedures. Any proposed changes must undergo a thorough review process, including consultation with relevant academic departments, approval from the appropriate administrative bodies, and compliance with accreditation standards.

Additionally, consideration will be given to feedback from students, faculty, and other stakeholders to ensure that modifications align with the overall educational objectives and mission of the university. The implementation of any approved changes will be communicated transparently to the university community, and appropriate measures will be taken to facilitate a smooth transition for all affected parties.