



Matrix Map of B.S In Pharmacy(plan 9)

	COURSE	1.1	2.1	2.2	2.3	2.4	2.5	3.1	3.2	3.3	3.4	3.5	3.6	4.1	4.2	4.3	4.4	
First Year	General Biological Sciences 1	√						√					√				√	
	General Biological Sciences Practical	√						√									√	
	Mathematics and pharmaceutical statistics	√						√										√
	General Chemistry 1	√																√
	Practical General Chemistry 1	√																√
	Human Physiology	√																√
	Human Anatomy	√																√
	General Chemistry 2	√																√
	Pharmaceutical Organic Chemistry (I)	√							√									√
second year	Biochemistry for pharmacy (1)	√						√	√					√			√	
	Pharmaceutical analytical Chemistry	√						√					√	√			√	
	Pharmaceutical analytical Chemistry Practical	√						√					√				√	
	Physical Pharmacy and pharmaceutics	√		√	√			√	√	√			√	√			√	
	Physical Pharmacy Practical	√		√	√			√	√	√			√	√			√	
	Pharmaceutical Organic Chemistry (II)	√	√		√	√		√					√	√				√
	Pharmaceutical Organic Chemistry Practical	√						√					√	√	√			√
	Biochemistry for pharmacy (2)	√	√		√	√		√		√				√		√		√
	Pharmaceutical Microbiology and immunology 1	√	√	√	√													√
	Pharmaceutics (I)	√		√	√			√	√	√			√	√				√
	Pharmaceutics Practical (I)	√	√	√				√						√	√	√		√
	Instrumental analysis	√		√				√										√
	Instrumental analysis Practical	√						√			√		√	√	√			√

Third Year	phathophysiology for pharmacy	√	√		√	√		√	√	√	√	√	√	√	√	√
	Clinical Biochemistry for pharmacy	√	√		√			√	√	√	√	√	√	√	√	√
	Pharmacology (I)	√		√				√				√				√
	Pharmaceutical Microbiology and immunology 2	√	√	√	√	√		√	√		√	√	√			√
	Microbiology and Immunology Practical	√						√	√			√	√	√		√
	Pharmaceutics (II)	√	√	√			√	√					√	√	√	√
	Pharmaceutics Practical (II)	√	√	√			√	√					√	√		√
	Simulation pharmacy practical	√	√	√		√		√	√	√	√	√	√	√	√	√
	pharmacology (II)	√		√				√					√			√
	Biopharmaceutics and Pharmacokinetics	√														√
	Applications in Pharmacokinetics	√	√	√	√			√			√					√
	Pharmacognosy	√														√
	Medicinal Chemistry (I)	√						√					√			√
	Medicinal Chemistry (II)	√						√					√	√	√	√
Fourth Year	Medicinal Chemistry (III)	√					√	√		√		√	√	√	√	
	Pharmacognosy and Phytochemistry	√						√		√	√	√	√	√	√	
	Pharmacognosy and Phytochemistry practical	√					√	√			√	√	√	√		√
	Clinical Pharmacy and therapeutics (I)	√	√	√	√	√		√	√	√	√	√	√	√		√
	Case studies in therapeutics (I)	√	√	√	√	√		√	√	√	√	√	√	√	√	√
	Pharmacology (III)	√	√	√	√			√	√			√				√
	Industrial Pharmacy	√	√	√			√	√			√			√	√	√
	Industrial Pharmacy Practical	√		√	√		√	√	√	√		√	√	√		√
	Clinical Pharmacy and therapeutics (II)	√	√	√	√	√		√	√	√	√	√	√	√		√
	Case studies in therapeutics (II)	√	√	√	√	√		√	√	√	√	√	√	√	√	√
	Nonprescription Medication (OTC)	√	√			√		√	√	√	√	√	√	√	√	√
	Practical Training in Pharmacy	√	√	√	√	√		√	√	√	√	√	√	√	√	√
	Harbal medicine	√						√	√		√	√	√	√	√	√

Fifth Year	Pharmaceutical care and pharmacy practice	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Clinical Pharmacy and therapeutics (III)	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	pharmacoeconomics	√		√				√			√	√	√	√	√	√
	Pharmaceutical quality and regulatory affairs	√								√		√	√	√	√	√
	Toxicology for pharmacy	√		√	√			√	√	√	√			√	√	√
	Ethics and legislation for pharmacy	√														√
	Pharmaceutical marketing and promotion	√														√
	pharmaceutical biotechnology and pharmacogene	√		√	√		√	√	√		√	√	√	√	√	√
	Advanced Pharmaceutical marketing and promotion	√														√
	Quality control for Pharmacy	√									√		√	√	√	√
Drug Design	√							√					√	√	√	
Toxic Medicinal Plants	√	√						√	√				√	√	√	
Pharmaceutical Technology	√				√	√	√	√			√	√	√	√	√	
Cosmetics	√				√	√						√	√	√	√	
Specialized Topics in Pharmacy	√									√	√	√	√	√	√	
Drug delivery	√				√	√					√	√	√	√	√	
Selected topics in microbiology	√		√					√			√	√	√	√	√	
Selected topics in physical pharmacy	√		√					√			√	√	√	√	√	
Parapharmaceuticsals	√	√	√				√	√	√			√	√		√	
Cancer : types and therapy	√	√		√	√			√	√	√	√		√	√	√	
Hallucinogenic drugs	√														√	
Pharmaceutical intellectual property	√		√							√	√			√	√	
Pharmaceutical accounting and management	√														√	
Hematology and immunology	√														√	
Advanced Pharmacy practice	√	√	√	√	√			√	√	√	√	√	√	√	√	
Advanced research methods	√		√	√	√	√	√	√			√		√	√	√	
Advanced clinical pharmacy and therapeutice \ pediatric	√	√	√	√		√	√	√			√	√		√	√	
Advanced clinical pharmacy and therapeutice \icu	√	√	√	√		√	√	√			√	√		√	√	
Advanced clinical pharmacy and therapeutice \Surgery	√	√	√	√		√	√	√			√	√		√	√	



