

## Curriculum

\* The doctor of pharmacy is a 5.5 years program requiring 11 semesters of coursework in the classroom and experiential practice.

### Year 1

#### Term 1

Course NO	Title	Unites
524001	Intro English Language	2
524002	Persian Literature	3
524003	Iran Islamic Revolution	2
524014	General Chemistry (Theoretical)	4
524015	General Chemistry (Practical)	2
524016	Physics (Theoretical)	2
524017	Physics (Practical)	1
524018	First Aid (Theoretical)	1
524019	First Aid (Practical)	1
524020	Molecular Biology and Genetics	2
Total		20

Term 2

Course NO	Title	Unites
524004	Islamic Thought 1	2
524005	Islamic Ethics	2
524006	Physical Education 1	1
524021	Microbiology (Theoretical)	3
524022	Microbiology (Practical)	1
524023	Virology	1
524024	Anatomy*	
524025	Histology*	
524026	Organic Chemistry (Theoretical)	3
524028	Mathematics	3
524027	Organic Chemistry (Practical)	1
	<b>Total</b>	<b>20</b>

\* Practicum sessions included

## Year 2

Term 3

Course NO	Title	Unites
524007	Family knowledge and Population	2
524008	Subjective Interpretation of Koran	2
524029	Organic Chemistry 2 (Theoretical)	3
524030	Organic Chemistry 2 (Practical)	1
524031	Physiology 1	4
524032	Analytical Chemistry (Theoretical)	2
524033	Analytical Chemistry (Practical)	2
524034	Parasitology and Mycology (Theoretical)	3
524035	Parasitology and Mycology (Practical)	1
	<b>Total</b>	<b>20</b>

**Term 4**

<b>Course NO</b>	<b>Title</b>	<b>Unites</b>
524009	Physical Education 2	1
524010	Islamic Thought 2	2
524011	Analytical History of Islam	2
524012	General English Language	3
524036	Biochemistry (Theoretical)	3
524037	Biochemistry (Practical)	1
524038	Physiology 2 (Theoretical)	4
524039	Physiology 2 (Practical)	1
524040	Immunology (Theoretical)	3
524041	Immunology (Practical)	1
524042	Principles of Health Care	1
	<b>Total</b>	<b>22</b>

### Year 3

#### Term 5

Course NO	Title	Unites
524043	Pharmacology 1	4
524044	Physical Pharmacy 1	2
524045	Pharmaceutics 1	2
524046	Instrumental Methods of Analysis (Theoretical)	3
524047	Instrumental Methods of Analysis (Practical)	1
524048	ESP	2
524049	Pharmaceutical Biotechnology	3
524050	Psychology	2
	<b>Total</b>	<b>19</b>

**Term 6**

<b>Course NO</b>	<b>Title</b>	<b>Unites</b>
524051	Physical Pharmacy 2	2
524052	Pharmaceutics 2 (Theoretical)	3
524053	Pharmaceutics 2 (Practical)	1
524054	Medicinal Chemistry 1	3
524055	Medicinal Plants (Theoretical)	2
524056	Medicinal Plants (Practical)	1
524057	Pharmacology 2	4
524058	Pharmacology (Practical)	1
524059	Food and Therapeutic Regimen	3
	<b>Total</b>	<b>20</b>

## Year 4

### Term 7

Course NO	Title	Unites
524060	Pharmacognosy 1	2
524061	Biostatistics (Theoretical)	2
524062	Biostatistics (Practical)	1
524063	Pharmaceutics 3 (Theoretical)	3
524064	Pharmaceutics 3 (Practical)	1
524065	Pharmacotherapy 1	3
524066	Biological Preparations	2
524067	Medicinal Chemistry 2	3
524068	Clinical Biochemistry	2
524069	Ethics in Pharmacy	1
	<b>Total</b>	<b>20</b>

**Term 8**

<b>Course NO</b>	<b>Title</b>	<b>Unites</b>
524070	Pharmacotherapy 2	3
524071	Terminology in Pharmacy	2
524072	Medicinal Chemistry 3	3
524073	Pharmaceutics 4 (Theoretical)	2
524074	Pharmaceutics 4 (Practical)	1
524075	Pharmacognosy 2	3
524076	Pharmacognosy (Practical)	2
524013	Culture and Civilization of Islam and Iran	2
524092	Introductory Pharmacy Practice Experience	2
	<b>Total</b>	<b>20</b>



## Year 5

### Term 9

Course NO	Title	Unites
524080	Cosmetics	2
524077	Pharmaceutics 5 (Theoretical)	2
524078	Pharmaceutics 5 (Practical)	1
524079	Pharmacotherapy	3
524081	Toxicology (Theoretical)	2
524082	Toxicology (Practical)	2
524083	Microbial Control of Drugs (Theoretical)	2
524084	Microbial Control of Drugs (Practical)	1
524085	Traditional Pharmaceutics	2
524098	Thesis 1	2
	<b>Total</b>	<b>19</b>

**Term 10**

<b>Course NO</b>	<b>Title</b>	<b>Unites</b>
524086	Poison Management	2
524087	Physicochemical Control of Drugs (Theoretical)	2
524088	Physicochemical Control of Drugs (Practical)	1
524089	Biopharmaceutics and Pharmacokinetics	3
524090	Pharmaceutical Economics	2
524091	Cell Culture	1
524093	Advanced Practice Experience (Urban Pharmacy)	6
524094	Advanced Practice Experience (Hospital Pharmacy)	2
	<b>Total</b>	<b>19</b>

## Year 6

### Term 11

Course NO	Title	Unites
524095	Advanced Practice Experience (Hospital Pharmacy)*	6
524096	Introductory Practice Experience (Industrial Pharmacy)	
524097	Advanced Practice Experience (Industrial Pharmacy)*	6
524099	Thesis 2	2
524100	Thesis 3	4
	<b>Total</b>	<b>14</b>