



**SCHEME OF STUDIES  
BS OPTOMETRY**

**Batch 2023-2027**

**Batch 2024-2028**

**Semester I**

Course Code	Course Title	Credit Hours	Nature	Prerequisite course code
ISL-101	Islamic Studies	2(2-0)	General Education	-
ETH-100	Ethics			
ISL-103	Teachings of Holy Quran -I	NC		-
ENG-107	Functional English	3(3-0)	General Education	-
GEN-105	Creative Arts	2(2-0)	General Education	-
PHYSI-101	Physiology	3(2-1)	Interdisciplinary	-
PHARM-201	Pharmacology	3(2-1)	Interdisciplinary	-
OPT-111	Vision Sciences	3(2-1)	Major	-
<b>Credit Hours</b>		<b>16</b>		

**Semester II**

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
CS-102	Applications of Information & Communication Technologies	3(2-1)	General Education	-
GEN-104	Ideology & constitution of Pakistan	2(2-0)	General Education	-
ENG-108	Expository writing	3(3-0)	General Education	ENG-107
ANA-101	Anatomy	3(2-1)	Interdisciplinary	-
GEN-106	Medical Ethics	2(2-0)	Minor	-
OPT-212	Ocular Anatomy and Physiology	3(3-0)	Major	-
ISL-104	Teachings of Holy Quran-II	NC		ISL-103
<b>Credit Hours</b>		<b>16</b>		

**Semester III**

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
GEN-202	Environmental studies	3(2-1)	General	-

			Education	
PSY-201	Psychology	2(2-0)	General Education	-
GEN-206	Entrepreneurship	2(2-0)	General Education	-
PATH-201	Pathology	3(3-0)	Interdisciplinary	-
OPT-211	Ocular Diseases and emergency handling- I	3(3-0)	Major	OPT-212
GEN-207	Quantitative reasoning I	3(3-0)	General Education	-
ISL-201	Teachings of Holy Quran-III	NC		ISL-104
<b>Credit Hours</b>		<b>16</b>		

#### Semester IV

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
GEN-303	Quantitative reasoning II	3(3-0)	General Education	-
OPT-213	Optics	3(3-0)	Major	-
GEN-203	Civics and Community engagement	2(2-0)	General Education	-
OPT-214	Ocular Diseases and emergency handling-II	3(3-0)	Major	OPT-211
OPT-215	Ophthalmic Dispensing-I	3(2-1)	Major	-
OPT-216	Clinical Refraction	3(3-0)	Major	-
ISL-202	Teachings of Holy Quran -IV	NC		ISL-201
<b>Credit Hours</b>		<b>17</b>		

#### Semester V

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
MED-401	Clinical Medicine	2(1-1)	Minor	-
GEN-302	Patient Care	2(2-0)	Minor	-
OPT-319	Diagnostic Instruments-I	2(2-0)	Major	-
OPT-317	Orthoptics-I	3(2-1)	Major	-
OPT-411	Retinal Diseases	3(3-0)	Major	OPT-214
OPT-314	Ophthalmic Dispensing-II	2(1-1)	Major	OPT-215
OPT-315	Clinical Practice of Refraction	2(0-2)	Major	OPT-216
<b>Credit Hours</b>		<b>16</b>		

#### Semester VI

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
OPT-514	Basic Life Support	2(1-1)	Minor	-

SUR-302	Surgery	2(2-0)	Minor	-
OPT-414	Diagnostic Instruments-II	3(2-1)	Major	OPT-319
OPT-311	Low Vision-I	3(2-1)	Major	-
OPT-318	Contact Lens-I	2(2-0)	Major	-
OPT-320	Ophthalmic screening observation & Pediatric Optometry	3(2-1)	Major	-
RMS-514	Research Methodology and Applied Statistics	2(2-0)	Major	
<b>Credit Hours</b>		<b>17</b>		

### Semester Summer

Course Code	Course Title	Credit Hours
GEN-401	Internship	3(0-3)
<b>Credit Hours</b>		<b>3</b>

### Semester VII

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
CM-401	Community Medicine	2(2-0)	Minor	-
OPT-316	Low Vision-II	3(2-1)	Major	OPT-311
OPT-413	Contact Lens-II	3(2-1)	Major	OPT-318
OPT-412	Orthoptics-II	3(2-1)	Major	OPT-317
OPT-415	Neuro-Ophthalmology	2(2-0)	Major	-
OPT-419	Clinical Rotations I(Refraction & Screening observation)	3(0-3)	Major	OPT-320
<b>Credit Hours</b>		<b>16</b>		

### Semester VIII

Course Code	Course Title	Credit Hours	Course Type	Prerequisite course code
OPT-417	Ocular Pharmacology	2(2-0)	Major	-
OPT-519	Minor OT Procedures	2(1-1)	Major	-
OPT-420	Clinical Rotations II (Diagnostic & Cornea)	3(0-3)	Major	
OPT-421	Clinical Rotations III (General Ophthalmology& Contact lens)	5(0-5)	Major	OPT-413
GEN-402	Research Project	3(0-3)	-	
<b>Credit Hours</b>		<b>15</b>		
<b>Total Credit Hours</b>		<b>132</b>		