

BS Optometry – Curriculum Overview

TOTAL BREAKDOWN OF CREDIT HOURS

S.#		
1.	General Education Courses	39
2.	Basic Sciences Major BS OPTOMETRY Major Subjects	15 39= 54
3.	BS OPTOMETRY Minor Subjects	33
	Total	126

ABBREVIATIONS:

GEC: General Education Courses

BS-M: Basic Sciences Major

M: Major

M^l: Minor

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General Education Courses (GEC) Divided Into 3 Categories:

HEC Requirement for Undergraduate Courses				Requirement (BS OPTOMETRY)	Credit Hours
1.	Breadth Courses	Arts And Humanities (2 Courses)	<ol style="list-style-type: none"> 1. Philosophy 2. History 3. Creative Arts 	History Foreign Language	3 3
		Social Sciences (2 Courses)	<ol style="list-style-type: none"> 1. Anthropology 2. Economics 3. Psychology 4. Sociology 5. Political Science 	Psychology Sociology	3 3
		Natural Sciences (2 Courses)	<ol style="list-style-type: none"> 1. Physics 2. Chemistry 3. Geology 4. Biology 5. Ecology 	Physics Biology	3 3
2.	Functional Skill Courses	Expository Writing (3 Courses)	<ol style="list-style-type: none"> 1. Writing or Publishing Technical Papers 2. Editing and Copy-Editing of documents 3. Learning how to translate from one Language to another 	Basic English writing Advance English writing Academic Writing	3 3 3
			Quantitative Reasoning (2 Courses)	<ol style="list-style-type: none"> 1. Information Technology 	Computer Sciences Biostatistics
3.	Civilizational Courses	Pakistan Studies (1 Course)		Pakistan Studies	3
		Islamiat Or Religious Studies (1 Course)		Islamiat Or religious studies	3
				Total Credit Hours: 39	

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Basic Sciences Major (BS-M):

S.#	Major	Credit Hours
1.	Physiology	3
2.	Biochemistry	3
3.	Anatomy	3
4.	Research Methodology	3
5.	Research Project	3
		Total: 15

BS OPTOMETRY Major Subjects (M):

S.#	Major	Credit Hours
1.	Anatomy Ocular	3
2.	Physiology Ocular	3
3.	Ocular Disease I	3
4.	Pharmacology Ocular	3
5.	Ocular Disease II	3
6.	Contact Lens I	3
7.	Clinical Refraction I	3
8.	Clinical Refraction II	3
9.	Geometrical Optics	3
10.	Low vision	3
11.	Basic Orthoptics	3
12.	Visual Optics	3
13.	Instrumental Optics	3
14.	Low Vision Clinic	3
15.	Dispensing Optics	3
16.	Community ophthalmology	3
17.	Orthoptics advance	3
18.	Pediatric Optometry I	3
19.	Optical Shop Management	3
20.	Health & eye Care Management	3
21.	Specialized clinic	3
22.	Contact Lens II	3
23.	Orthoptics Clinic	3
24.	Contact Lens Clinic	3

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Note: Student can opt any 9 courses (each course is of three credit hours) to fulfill the minimum credit requirement to qualify for the Bachelor of Science degree.

Semester	Courses	Credits hours	Credit hours/ semester
I	<ol style="list-style-type: none"> 1. Islamiat / Ethics 2. Computer Science 3. General Physiology 4. English Foundation 5. Physics 6. Anatomy (General) 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	18
II	<ol style="list-style-type: none"> 1. History 2. Psychology 3. English Advance 4. Biology 5. General Biochemistry 6. Pakistan Studies 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	18
III	<ol style="list-style-type: none"> 1. Academic Writing 2. Bio Statics 3. Foreign Languages 4. Geometric optics 5. Sociology 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	15
IV	<ol style="list-style-type: none"> 1. Ocular Physiology 2. Ocular Anatomy 3. Visual Optics 4. Ocular disease I (Anterior segment) 5. Instrumental optics 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	15
V	<ol style="list-style-type: none"> 1. Contact lens I 2. Ocular disease II (Posterior segment) 3. Clinical refraction I 4. Basic orthoptic 5. Low vision 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	15
VI	<ol style="list-style-type: none"> 1. Orthoptic Advance 2. Contact lens II 3. Clinical refraction II 4. Dispensing Optics 5. Pharmacology 	<p>3</p> <p>3</p> <p>3</p> <p>3</p> <p>3</p>	15

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VII	1. Optical shop management	3	15
	2. Research Methodology	3	
	3. Health & Eye care management	3	
	4. Community Ophthalmology	3	
	5. Pediatric optometry I	3	
VIII	1. Contact Lens Clinic	3	15
	2. Low vision Clinic	3	
	3. Orthoptic Clinic	3	
	4. Research project	3	
	5. Specialized clinic	3	

Note: The minimum credit requirement for each semester is 15 and student can opt to take up to 21 credits per semester, provided that departmentally determined credits and pre-requisite are met.