

Doctor of Optometry Curriculum

Fall Semester

Semester	Credit Hours	Lecture	Lab
8010 Anatomy, Physiology and Disease Processes I	5	4	2
8020 Basic and Clinical Optics I	4	3	2
8030 Introduction to Optometry	1	1	
8040 Neuroanatomy	4	3	2
8060 Biochemistry	3	3	
8090 Case Based Discovery for the Developing Clinician	1	1	
8350 Epidemiology	2	2	

Spring Semester

Semester	Credit Hours	Lecture	Lab
8090 Case Based Discovery for the Developing Clinician	1	1	
8110 Anatomy, Physiology and Disease Processes II	5	4	2
8120 Basic and Clinical Optics II	5	4	2
8140 Physical Optics and Photometry	3	2	2
8160 Anatomy and Physiology of the Eye	5	4	2
8180 Clinical Optometry I	5	3	4
8190 Introduction to Clinical Diagnostic Reasoning	1	1	

Second Year

Fall Semester

Semester	Credit Hours	Lecture	Lab
8220 Ophthalmic Optics	4	3	2
8230 Interpersonal Communications	2	2	
8240 Ocular Motility	3 2	3 2	
8250 Monocular Sensory Processes	5	4	2
8260 Foundations of Ocular and Systemic Disease and Management I	4	3	2
8280 Clinical Optometry II	5	3	4

Spring Semester

Semester	Credit Hours	Lecture	Lab
8320 Ophthalmic Dispensing	1		2
8340 Binocular Vision and Space Perception	4	3	2
8370 Foundations of Ocular and Systemic Disease and Management II	7	6	2
8380 Clinical Optometry III	2	1	2

Semester	Credit Hours	Lecture	Lab
8390 Specialty Clinic Laboratory	1		2
8391 Clinical Topics in Contact lens	4	4	
8392 Clinical Topics in Binocular Vision and Pediatric Optics	4	4	
8391 Clinical Topics in Contact Lenses	1	1	
8392 Clinical Topics in Binocular Vision and Pediatric Optometry	1	1	
8393 Clinical Topics in Low Vision	1	1	
8560 Public Health	2	2	

Third Year

Fall Semester

Semester	Credit Hours	Lecture	Lab
8500 Primary Care Clinic I	6		12
8520 Contact Lenses I	3	2	2
8540 Binocular Vision Anomalies	4	3	2
8550 Low Vision	2	1	2
8570 Advanced Topics in Ocular and Systemic Disease and Management	6	5	2
8650 Geriatric Optometry	2	2	

Spring Semester

Semester	Credit Hours	Lecture	Lab
8600 Primary Care Clinic II	6		12
8610 Environmental Vision	2	2	
8620 Contact Lenses II	2	2	
8630 Practice Management III	3	3	
8640 Pediatric Optometry	2	2	
8660 Contact Lens Specialty Clinic	1		2
8670 Comprehensive Case Review and Analysis	1	1	
8680 Ophthalmic Lasers	1	1	
8690 Pediatric /Binocular Vision Specialty Clinic I	1		2

Fourth Year

Category 1 UMSL

Note: Must enroll in 8700, 8710 and 8720 concurrently

Semester	Credit Hours	Lecture	Lab
8700 UMSL Pediatric/Binocular Vision Patient Care	3		6
8710 UMSL Contact Lens Patient Care	3		6
8720 UMSL Eye Health Management Patient Care	1		2

Category 2 Institutional

Semester	Credit Hours	Lecture	Lab
8780 External Rotation in Institutional Patient Care	7		14

Category 3 Ocular Disease

Semester	Credit Hours	Lecture	Lab
8790 External Rotation in Ocular Disease Patient Care	7		14

Category 4 Intern

Semester	Credit Hours	Lecture	Lab
8730 Community Service Patient Care Rotation A	7		14
8750 Community Service Patient Care Rotation B	7		14
8760 Harvester Eye Center Patient Care	7		14
8770 Community Service Patient Care Rotation C	7		14

Category 5 Specialty

Semester	Credit Hours	Lecture	Lab
8800 External Rotation in Pediatric/Binocular Vision Patient Care	7		14
8810 External Rotation in Contact Lens Patient Care	7		14
8811 External Rotation in Ophthalmic Surgical Patient Care	7		14
8812 External Rotation in Geriatric Patient Care	7		14
8813 External Rotation in Ophthalmic Sports vision	7		14
8814 External Rotation In Primary Care	7		14
8815 External Rotation in Pathology and Treatment	7		14
8816 External Rotation in Ophthalmic Laser Treatment	7		14
8817 External Rotation in Rehabilitative Patient Care	7		14
8820 External Rotation in Low Vision Patient Care	7		14

Category 6 Elective

Semester	Credit Hours	Lecture	Lab
8830 External Rotation in General Patient Care	7		14
8840 External Supplementary Rotation in General Patient Care	7		14
8850 Supplementary Rotation in General Patient Care	7		14

Required Courses

Semester	Credit Hours	Lecture	Lab
8870 Practice Management IV	2	2	
8880 Clinical Seminar	1	1	

Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures.

Elective Courses in the College of Optometry

<u>OPTOM 8400</u>	Directed Readings	1-3
<u>OPTOM 8410</u>	Directed Research	1-3
<u>OPTOM 8420</u>	Ocular Photography	2
<u>OPTOM 8470</u>	Case Studies In Ocular Disease	1
<u>OPTOM 8910</u>	Topics In Geriatric Optometry	3
<u>OPTOM 8970</u>	Geriatric Patient Care Delivery	3-6

Graduate Vision Science Courses Approved for Elective Credit*

<u>OPTOM 6400</u>	Sensory Processes And Perception	3
<u>OPTOM 6401</u>	Visual Optics	3
<u>OPTOM 6402</u>	Ocular Anatomy And Physiology	3
<u>OPTOM 6403</u>	Psychophysical Methods And Experimental Design	3
<u>OPTOM 6404</u>	Sensory Neuroscience	3
<u>OPTOM 6470</u>	Individual Studies In Physiological Optics	2
<u>OPTOM 6490</u>	Graduate Research In Physiological Optics	1-15
<u>OPTOM 6497</u>	Interdisciplinary Geriatric Care	2
<u>OPTOM 6499</u>	Current Topics In Optometry And Vision Science	1

Sign-offs from other departments affected by this proposal

None

Rationale

Course OPTOM 8140 has been dropped. The credit hours of OPTOM 8240 have been reduced to 2. A new course 8190 will replace the second semester of OPTOM 8090 in the spring semester of the first year curriculum. OPTOM 8190 is designed to follow OPTOM 8090. Typos were fixed in OPTOM 8391 and 8392.