

# Optometry OD

## First Year

### 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
8050 Basic and Applied Immunology	2	2	
8060 Biochemistry	2	2	
8090 Case-Based Discovery for the Developing Clinician	1	1	
8080 Clinical Optometry I	2	1	2

### Spring Semester

Semester	Credit Hours	Lecture	Lab
8110 Anatomy, Physiology and Disease Processes II	4	3	2
8120 Basic and Clinical Optics II	5	4	2
8160 Anatomy and Physiology of the Eye	5	4	2
8180 Clinical Optometry II	5	3	4
8190 Introduction to Clinical Diagnostic Reasoning	1	1	
8230 Interpersonal Communication	1	1	

## Second Year

### Fall Semester

Semester	Credit Hours	Lecture	Lab
8220 Ophthalmic Optics	4	3	2

8240 Ocular Motility	2	2	
8250 Monocular Sensory Processes	5	4	2
8260 General and Ocular Pharmacology	4	3	2
8280 Clinical Optometry III	4	2	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 I	5	4	2
8380 Clinical Optometry IV	2	1	2
8390 Specialty Clinic Laboratory	1		2
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 and Epidemiology	2	2	

## Third Year

### Summer Semester

Semester	Credit Hours	Lecture	Lab
8460 Foundations of Ocular and Systemic Disease and Management II	2	2	
8540 Binocular Vision Anomalies	4	3	2
8650 Geriatric Optometry	2	2	

8450 Introduction to Primary Care Clinic	4	8
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## Fall Semester

Semester	Credit Hours	Lecture	Lab
8470 Pharmaceutical Management in Patient Care	2	2	
8500 Primary Care Clinic I	6		12
8520 Contact Lenses I	3	2	2
8550 Low Vision	2	1	2
8570 Advanced Topics in Ocular and Systemic Disease & Management	6	5	2
8640 Pediatric Optometry	2	2	

## Spring Semester

Semester	Credit Hours	Lecture	Lab
8600 Primary Care Clinic II	6		12
8620 Contact Lenses II	2	2	
8630 Practice Management I	3	3	
8645 Neurologic Diseases	2	2	
8660 Contact Lens Specialty Clinic	1		2
8670 Comprehensive Case Review and Analysis	1	1	
8680 Ophthalmic Lasers	2	2	
8690 Pediatric/Binocular Vision Specialty Clinic	1		2

## Fourth Year

six clinical rotation and 2 courses required

### Category 1 UM-St. Louis <sup>1</sup>

OPTOM 8700	UM-St. Louis Pediatric/Binocular Vision Patient Care	3
OPTOM 8710	UM-St. Louis Contact Lens Patient Care	3
OPTOM 8720	UMSL Eye Health Management Patient Care	1

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Must enroll in OPTOM 8700, OPTOM 8710 and OPTOM 8720 concurrently.

### Category 2 Institutional

OPTOM 8780	External Rotation in Institutional Patient Care	7
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### Category 3 Ocular Disease

OPTOM 8790	External Rotation in Ocular Disease Patient Care	7
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### Category 4 Community

OPTOM 8730	Community Service Patient Care Rotation A	7
OPTOM 8770	Community Service Patient Care Rotation C	7

### Category 5 Specialty

OPTOM 8800	External Rotation in Pediatric/Binocular Vision Patient Care	7
OPTOM 8810	External Rotation in Contact Lens Patient Care	7
OPTOM 8811	External Rotation in Ophthalmic Surgical Patient Care	7
OPTOM 8812	External Rotation in Geriatric Patient Care	7
OPTOM 8813	External Rotation in Ophthalmic Sports Vision	7
OPTOM 8814	External Rotation in Primary Care	7
OPTOM 8815	External Rotation in Pathology and Treatment	7
OPTOM 8816	External Rotation in Ophthalmic Laser Treatment	7
OPTOM 8817	External Rotation in Rehabilitative Patient Care	7
OPTOM 8820	External Rotation in Low Vision Patient Care	7

### Category 6 Elective

OPTOM 8830	External Rotation in General Patient Care	7
OPTOM 8840	External Supplementary Rotation in General Patient Care	7
OPTOM 8850	Supplementary Rotation in General Patient Care	7

### Required Courses

OPTOM 8870	Practice Management II	2
OPTOM 8880	Practice Management III	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**

OPTOM 8400	Directed Readings	1-3
OPTOM 8410	Directed Research	1-3

**First Year****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
8050 Basic and Applied Immunology	2	2	
8060 Biochemistry	2	2	
8090 Case-Based Discovery for the Developing Clinician	1	1	
8080 Clinical Optometry I	2	1	2

**Spring Semester**

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8120 Basic and Clinical Optics II	5	4	2
8160 Anatomy and Physiology of the Eye	5	4	2
8180 Clinical Optometry II	5	3	4
8190 Introduction to Clinical Diagnostic Reasoning	1	1	
8230 Interpersonal Communication	1	1	

**Second Year****Fall Semester**

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8220 Ophthalmic Optics	4	3	2

8240 Ocular Motility	2	2	
8250 Monocular Sensory Processes	5	4	2
8260 General and Ocular Pharmacology	4	3	2
8280 Clinical Optometry III	4	2	4

**Spring Semester**

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8320 Ophthalmic Dispensing	1		2
8340 Binocular Vision and Space Perception	4	3	2
8370 Foundations of Ocular and Systemic Disease and Management I	5	4	2
8380 Clinical Optometry IV	2	1	2
8390 Specialty Clinic Laboratory	1		2
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 and Epidemiology	2	2	

**Third Year****Summer Semester**

Semester	Credit Hours	Lecture	Lab
8460 Foundations of Ocular and Systemic Disease and Management II	2	2	
8540 Binocular Vision Anomalies	4	3	2
8650 Geriatric Optometry	2	2	

8450 Introduction to Primary Care Clinic	4	8
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## Fall Semester

Semester	Credit Hours	Lecture	Lab
8470 Pharmaceutical Management in Patient Care	2	2	
8500 Primary Care Clinic I	6		12
8520 Contact Lenses I	3	2	2
8550 Low Vision	2	1	2
8570 Advanced Topics in Ocular and Systemic Disease & Management	6	5	2
8640 Pediatric Optometry	2	2	

## Spring Semester

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8630 Practice Management I	3	3	
8645 Neurologic Diseases	2	2	
8660 Contact Lens Specialty Clinic	1		2
8670 Comprehensive Case Review and Analysis	1	1	
8680 Ophthalmic Lasers	2	2	
8690 Pediatric/Binocular Vision Specialty Clinic	1		2

## Fourth Year

six clinical rotation and 2 courses required

### Category 1 UM-St. Louis <sup>1</sup>

OPTOM 8700	UM-St. Louis Pediatric/Binocular Vision Patient Care	3
OPTOM 8710	UM-St. Louis Contact Lens Patient Care	3
OPTOM 8720	UMSL Eye Health Management Patient Care	1

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Must enroll in OPTOM 8700, OPTOM 8710 and OPTOM 8720 concurrently.

### Category 2 Institutional

OPTOM 8780	External Rotation in Institutional Patient Care	7
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### Category 3 Ocular Disease

OPTOM 8790	External Rotation in Ocular Disease Patient Care	7
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### Category 4 Community

OPTOM 8730	Community Service Patient Care Rotation A	7
OPTOM 8770	Community Service Patient Care Rotation C	7

### Category 5 Specialty

OPTOM 8800	External Rotation in Pediatric/Binocular Vision Patient Care	7
OPTOM 8810	External Rotation in Contact Lens Patient Care	7
OPTOM 8811	External Rotation in Ophthalmic Surgical Patient Care	7
OPTOM 8812	External Rotation in Geriatric Patient Care	7
OPTOM 8813	External Rotation in Ophthalmic Sports Vision	7
OPTOM 8814	External Rotation in Primary Care	7
OPTOM 8815	External Rotation in Pathology and Treatment	7
OPTOM 8816	External Rotation in Ophthalmic Laser Treatment	7
OPTOM 8817	External Rotation in Rehabilitative Patient Care	7
OPTOM 8820	External Rotation in Low Vision Patient Care	7

### Category 6 Elective

OPTOM 8830	External Rotation in General Patient Care	7
OPTOM 8840	External Supplementary Rotation in General Patient Care	7
OPTOM 8850	Supplementary Rotation in General Patient Care	7

### Required Courses

OPTOM 8870	Practice Management II	2
OPTOM 8880	Practice Management III	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**

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OPTOM 8410	Directed Research	1-3