

Optometry OD

First Year

Fall Semester

Semester	Credit Hours	Lecture	Lab
8010, Anatomy, Physiology and Disease Processes I	4	3	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	
8350, Epidemiology	2	2	

Spring Semester

Semester	Credit Hours	Lecture	Lab
8110, Anatomy, Physiology and Disease Processes II	5	4	2
8120, Basic and Clinical Optics II	5	4	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	
8230, Interpersonal Communication	2	2	

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 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 I	5	4	2
8380, Clinical Optometry III	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	2	2	

Third Year

Summer Semester

Semester	Credit Hours	Lecture	Lab
8450, Introduction to Primary Care Clinic	4		8
8460, Foundations of Ocular and Systemic Disease and Management II	2	2	
8540, Binocular Vision Anomalies	4	3	2

8650, Geriatric Optometry	2	2	
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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 Disorders of the Eye and Visual System	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 rotations and 2 courses are required.

Category 1 UMSL Must enroll in OPTOM 8700, OPTOM 8710, and OPTOM 8720 concurrently

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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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 IV	2
OPTOM 8880	Clinic Seminar	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

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

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 ¹

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

¹ 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 IV	2
OPTOM 8880	Clinic Seminar	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

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

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 ¹

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

¹ 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 IV	2
OPTOM 8880	Clinic Seminar	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 1 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

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 ¹

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

¹ 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 IV	2
OPTOM 8880	Clinic Seminar	1

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Elective Courses in the College of Optometry

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