

# Doctor of Optometry Curriculum, Class of 2017

## Curriculum for Class of 2017

### First Year

#### Fall Semester

Semester	Credit Hours	Lecture	Lab
8010, Anatomy, Physiology and Disease Processes I	<del>5</del> 4	<del>4</del> 3	1
8020, Basic and Clinical Optics I	4	3	1
8030, Introduction to Optometry	1	1	
8040, Neuroanatomy	4	3	1
8050, Basic and Applied Immunology	2	2	
8060, Biochemistry	<del>3</del> 2	<del>3</del> 2	
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	1
8120, Basic and Clinical Optics II	5	4	1
8160, Anatomy and Physiology of the Eye	5	4	1
8180, Clinical Optometry I	5	3	2

## Second Year

### Fall Semester

Semester	Credit Hours	Lecture	Lab
8220, Ophthalmic Optics	4	3	1
8230, Interpersonal Communication	2	2	
8240, Ocular Motility	2	2	
8250, Monocular Sensory Processes	5	4	1
8260, Foundations of Ocular and Systemic Disease and Management I	4	3	1
8280, Clinical Optometry II	5	3	2

### Spring Semester

Semester	Credit Hours	Lecture	Lab
8320, Ophthalmic Dispensing	1		1
8340, Binocular Vision and Space Perception	4	3	1
8370, Foundations of Ocular and Systemic Disease and Management II	<del>7</del> 5	<del>6</del> 4	1
8380, Clinical Optometry III	2	1	1
8390, Specialty Clinic Laboratory	1		1
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 (12 Week Session)

Semester	Credit Hours	Lecture	Lab
8450, Introduction to Primary Care Clinic	4		4
8460, Foundations of Ocular and Systemic Disease and Management III	2	2	
8540, Binocular Vision Anomalies	4	3	1
8650, Geriatric Optometry (same as GERON 6458)	2	2	

### Fall Semester

Semester	Credit Hours	Lecture	Lab
8500, Primary Care Clinic I	6		6
8520, Contact Lenses I	3	2	1
<del>8540, Binocular Vision Anomalies</del>	<del>4</del>	<del>3</del>	<del>1</del>
8550, Low Vision	2	1	1
8570, Advanced Topics in Ocular and Systemic Disease & Management	6	5	1
8640, Pediatric Optometry	2	2	
<del>8650, Geriatric Optometry (same as GERON 6458)</del>	<del>2</del>	<del>2</del>	

### Spring Semester

Semester	Credit Hours	Lecture	Lab
8600, Primary Care Clinic II	6		6
8610, Environmental Vision	2	2	
8620, Contact Lenses II	2	2	
8630, Practice Management III	3	3	

<del>8640, Pediatric Optometry</del>	<del>2</del>	<del>2</del>
8645, Neurologic Disorders of the Eye and Visual System	2	2
8660, Contact Lens Specialty Clinic	1	1
8670, Comprehensive Case Review and Analysis	1	1
8680, Ophthalmic Lasers	<del>1</del> 2	<del>1</del> 2
8690, Pediatric/Binocular Vision Specialty Clinic	1	1

## Fourth Year

Six clinical rotations and 2 courses are required. Clinical courses in Categories 1-3 are required. Students must select at least one clinical course in each of Categories 4 and 5.

### Summer Semester

Semester	Credit Hours	Lecture	Lab
First Rotation	7		7
Second Rotation	7		7

### Fall Semester

Semester	Credit Hours	Lecture	Lab
Third Rotation	7		7
8870, Practice Management IV	2	2	
Fourth Rotation	7		7

### Spring Semester

Semester	Credit Hours	Lecture	Lab
Fifth Rotation	7		7
Sixth Rotation	7		7
8880, Clinic Seminar	1	1	

**Category 1 UMSL Note: Must enroll in 8700, 8710 and 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

**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 Intern**

OPTOM 8730	Community Service Patient Care Rotation A	7
OPTOM 8750	Community Service Patient Care Rotation B	7
OPTOM 8760	Community Service Patient Care Rotation D	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

Sign-offs from other departments affected by this proposal

None

Rationale

A 12-week summer session is being added to the curriculum following the Spring Semester of the Second Year. Two new courses are created for the summer--OPTOM 8450 Introduction to Primary Care and OPTOM 8460 Foundations of Ocular and Systemic Disease and Management III. The addition of OPTOM 8450 will increase the number of patient encounters students will have in their training. OPTOM 8460 will consist of material moved from the Spring semester course OPTOM 8370 which is now decreased from 7 to 5 credit hours. Two courses are being moved from the Fall semester of the third year to the Summer session. One course is being moved from the Spring semester of the third year to the Fall semester of the third year. Overall, these changes spread the course load of the third year over a longer period and increase the clinical experience in the third year. Many professional programs in optometry and other medical fields require course work in the summer of the third year.

# Doctor of Optometry Curriculum, Class of 2018

## Curriculum for Class of 2018

### First Year

#### Fall Semester

Semester	Credit Hours	Lecture	Lab
8010, Anatomy, Physiology and Disease Processes I	4	3	1
8020, Basic and Clinical Optics I	4	3	1
8030, Introduction to Optometry	1	1	
8040, Neuroanatomy	4	3	1
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
<del>8090, Case-Based Discovery for the Developing Clinician</del>	<del>1</del>	<del>1</del>	
8110, Anatomy, Physiology and Disease Processes II	5	4	1
8120, Basic and Clinical Optics II	5	4	1
8160, Anatomy and Physiology of the Eye	5	4	1
8180, Clinical Optometry I	5	3	2
8190, Introduction to Clinical Diagnostic Reasoning	1	1	

## Second Year

### Fall Semester

Semester	Credit Hours	Lecture	Lab
8220, Ophthalmic Optics	4	3	1
8230, Interpersonal Communication	2	2	
8240, Ocular Motility	2	2	
8250, Monocular Sensory Processes	5	4	1
8260, Foundations of Ocular and Systemic Disease and Management I	4	3	1
8280, Clinical Optometry II	5	3	2



## Spring Semester

Semester	Credit Hours	Lecture	Lab
8320, Ophthalmic Dispensing	1		1
8340, Binocular Vision and Space Perception	4	3	1
8370, Foundations of Ocular and Systemic Disease and Management II	5	4	1
8380, Clinical Optometry III	2	1	1
8390, Specialty Clinic Laboratory	1		1
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 (12-Week Session)

Semester	Credit Hours	Lecture	Lab
8450, Introduction to Primary Care	4		4
8460, Foundations of Ocular and Systemic Disease and Management III	2	2	
8540, Binocular Vision Anomalies	4	3	1
8650, Geriatric Optometry (same as GERON 6458)	2	2	

## Fall Semester

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

## Spring Semester

Semester	Credit Hours	Lecture	Lab
8600, Primary Care Clinic II	6		6
8610, Environmental Vision	2	2	
8620, Contact Lenses II	2	2	
8630, Practice Management III	3	3	
8645, Neurologic Disorders of the Eye and Visual System	2	2	
8660, Contact Lens Specialty Clinic	1		1
8670, Comprehensive Case Review and Analysis	1	1	
8680, Ophthalmic Lasers	2	2	
8690, Pediatric/Binocular Vision Specialty Clinic	1		1

## Fourth Year

Six clinical rotations and 2 courses are required. Clinical courses in Categories 1-3 are required. Students must select at least one clinical course in each of Categories 4 and 5.

### Summer Semester

Semester	Credit Hours	Lecture	Lab
First Rotation	7		7
Second Rotation	7		7

### Fall Semester

Semester	Credit Hours	Lecture	Lab
Third Rotation	7		7
8870, Practice Management IV	2	2	
Fourth Rotation	7		7

### Spring Semester

Semester	Credit Hours	Lecture	Lab
Fifth Rotation	7		7
Sixth Rotation	7		7
8880, Clinic Seminar	1	1	

### Category 1 UMSL Note: Must enroll in 8700, 8710 and 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

### 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 Intern**

OPTOM 8730	Community Service Patient Care Rotation A	7
OPTOM 8750	Community Service Patient Care Rotation B	7
OPTOM 8760	Community Service Patient Care Rotation D	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

Sign-offs from other departments affected by this proposal

None

Rationale

The new course OPTOM 8190 Introduction to Clinical Diagnostic Reasoning replaced the second semester of OPTOM 8090, effective Spring Semester 2015.