

OD/MS Dual Degree Program: Year 1

Fall Term							
Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/ Online	Credits	Grade Type
BSD10300	Cell Biology, Histology, and Ocular Anatomy	52	4	0	0	3.50	letter
BSD10320	Anatomy and Physiology I	50	16	0	0	3.75	letter
GRS97001	Laboratory Research Survey	0	0	0	20	1.25	pass/fail
PC12021	Principles and Practice of Optometry I	42	22	0	0	3.50	letter
PC12041	Clinical Reasoning Ia	10	0	0	0	0.75	letter in Spring
PC12125	Patient Care Ia	0	0	20	0	0.75	pass/fail
VS11001	Optics I	54	12	0	0	4.00	letter
VS11221	Visual Sensation and Perception	51	6	0	0	3.50	letter
	Totals	259	60	20	20	21.00	
Spring Term							
Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/ Online	Credits	Grade Type
BSD10009	Neuroanatomy	40	0	0	0	2.75	letter
BSD10321	Anatomy and Physiology II	35	6	0	0	2.50	letter
BSD10721	Ocular Disease Principles I	30	2.5	0	0	2.00	letter
GRS97040	Laboratory Research I	0	0	0	10	2.00	pass/fail
PC12042	Clinical Reasoning Ib	0	0	0	18	1.25	letter
PC12022	Principles and Practice of Optometry II	52	32	0	0	4.50	letter
PC12126	Patient Care Ib	0	0	20	0	0.75	pass/fail
VS11002	Optics II	51	32	0	0	4.50	letter
VS11210	Color Vision	20	2	0	0	1.25	letter
	Totals	228	74.5	20	28	21.50	

OD/MS Dual Degree Program: Year 2

Summer Term							
Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/ Online	Credits	Grade Type
BSD10340	Ocular Biochemistry and Genetics	25	0	0	0	1.75	letter
PC22402	Introduction to Public Health	10	0	0	0	0.75	letter
PC22023	Principles and Practice of Optometry III	14	14	14	0	1.75	letter
VS21003	Optics III	40	10	0	0	3.00	letter
	Totals	89	24	14	0	7.25	
Fall Term							
Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/ Online	Credits	Grade Type
BSD20401	Immunology	30	0	0	0	2.00	letter
BSD20722	Ocular Disease Principles II	74	35	0	0	6.00	letter
BSD20813	Pharmacology I	30	0	0	0	2.00	letter
GRS97003	Biostatistics and Experimental Design I	33	0	0	0	2.25	letter
GRS97010	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97020	Graduate Research Seminar	0	0	0	24	1.50	letter
GRS97030	Thesis Proposal Development		arranged with advisor			1.00	pass/fail
PC22125	Patient Care IIa	0	0	50	0	1.75	pass/fail
SAC23002	Contact Lenses I	20	18	0	0	2.25	letter
VS21203	Binocular Vision and Ocular Motility	65	8	0	0	4.50	letter
	Totals	260	61	50	24	23.75	
Spring Term							
Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/ Online	Credits	Grade Type
BSD20723	Ocular Disease Principles III	34	12.5	0	0	2.75	letter
BSD20813	Pharmacology II	30	0	0	0	2.00	letter
BSD30901	Clinical Medicine	0	0	0	60	4.00	letter
GRS97004	Biostatistics and Experimental Design II	10	5	0	0	0.75	letter
GRS97010	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97020	Graduate Research Seminar	0	0	0	24	1.50	letter
GRS97031	Thesis Proposal		arranged with advisor			1.50	pass/fail
GRS97041	Laboratory Research II		arranged with advisor			2.00	pass/fail
PC22126	Patient Care IIb	0	0	60	0	2.00	pass/fail
SAC23003	Contact Lenses II	30	21	0	0	2.50	letter
SAC33405	Binocular and Accommodative Anomalies	51	14	0	0	3.75	letter
VS21207	Neural Basis of Vision	49	0	0	0	3.25	letter
	Totals	212	52.5	60	84	26.50	

OD/MS Dual Degree Program: Year 3**Summer Term**

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
PC32125	Patient Care IIIa	0	0	120	0	4.00	pass/fail
PC32505	Clinical Ocular Imaging Topics	20	0	0	0	1.25	letter
SAC33403	Development of Vision	24.5	0	0	0	1.75	Letter
Totals		44.5	0	120	0	7.00	

Fall Term

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
BSD30701	Advanced Ocular Disease I	56.25	0	0	0	3.75	letter
GRS97010	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97020	Graduate Research Seminar	0	0	0	24	1.50	letter
GRS97042	Laboratory Research III			arranged with advisor		2.00	pass/fail
PC32406	Public Health and Clinical Practice	10	0	0	0	0.75	letter
PC32126	Patient Care IIIb	0	0	120	0	4.00	pass/fail
BSD20350	Clinical Neuro-ophthalmic Topics	23	0	0	0	1.50	letter
SAC33203	Low Vision Rehab Throughout the Life Span	38	12	0	0	3.00	letter
SAC33583	Strabismus and Amblyopia	36	6	0	0	2.50	letter
Totals		684.5	110.5	480	156	19.50	

Spring Term

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
BSD30702	Advanced Ocular Disease II	72	0	0	15	4.75	letter
BSD30710	Special Topics: Ocul. Dis. and Adv. Clinical Care	20	0	0	0	1.25	pass/fail
GRS97010	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97020	Graduate Research Seminar	0	0	0	24	1.50	letter
GRS97043	Laboratory Research IV			arranged with advisor		2.00	pass/fail
PC32006	Advanced Surgical and Laser Procedures	26	21	0	2	2.50	letter
PC32127	Patient Care IIIc	0	0	120	0	4.00	pass/fail
PC32721	Ophthalmic Business and Management Policy I	10.5	0	0	5	0.75	letter
SAC33605	Pediatric Optometry	36	0	0	8	2.75	letter
Totals		172.5	21	120	54	20.00	

OD/MS Dual Degree Program: Year 4**Summer Term: course taken while students in clinical rotations**

PC32722	Ophthalmic Business and Management Policy II	12	0	0	5	1.00	pass/fail
Totals		12.00	0.00	0.00	5.00	1.00	

Fall Term: course taken while students in clinical rotations

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
GRS97050	Thesis Preparation I			arranged with advisor		2.00	pass/fail
PC32723	Ophthalmic Business and Management Policy III	10	0.00	0	7	1.00	pass/fail
Totals		10.00	0.00	0.00	7.00	3.00	

Spring Term: course taken while students in clinical rotations

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
GRS97051	Thesis Preparation II			arranged with advisor		2.25	pass/fail
Totals						2.25	

Final-year Clinical Rotations

Course Number	Course Title	Patient Care	Credits	Grade Type
ACC4963	Specialty Care Rotation	Minimum of 400	13.25	pass/fail
ECP4918	Primary Care Rotation	Minimum of 400	13.25	pass/fail
ECP4923	Advanced Care Rotation	Minimum of 400	13.25	pass/fail

Each student completes 53 clinical rotation credit hours during their four final year rotations.

Contact Lenses Clinical Care is included in the rotations.