



OD/MS Dual Degree Program: Year 1

Fall Term 2019

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
BSD10300-od							
BSD90300-ms	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
ELC66001-od							
GRS97001-ms	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-od							
VS91001-ms	Optics I	54	12	0	0	4.00	letter
VS11221-od							
VS91221-ms	Visual Sensation and Perception	51	6	0	0	3.50	letter
Totals		259	60	20	20	21.00	

Spring Term 2020

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					2.00	pass/fail
PC12022	Principles and Practice of Optometry II	52	32	0	0	4.50	letter
PC12042	Clinical Reasoning Ib	0	0	0	18	1.25	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	18	21.50	



OD/MS Dual Degree Program: Year 2

Summer Term 2020

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
PC12402	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 2020

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
BSD20805	General Pharmacology	30	0	0	0	2.00	letter
BSD20811	Ocular Pharmacology I	15	0	0	0	1.00	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
GRS97020/97023	Graduate Research Seminar I	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	2.00	letter
VS21203	Binocular Vision and Ocular Motility	65	8	0	0	4.50	letter
Totals		275	61	50	24	24.50	

Spring Term 2021

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
BSD20812	Ocular Pharmacology II	15	0	0	0	1.00	letter
BSD30901	Clinical Medicine	0	0	0	60	4.00	letter
GRS97011	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97021/97022	Graduate Research Seminar II	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	2.75	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		187	47.5	60	84	25.00	



OD/MS Dual Degree Program: Year 3

Summer Term 2021

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
Totals		20	0	120	0	5.25	

Fall Term 2021

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
BSD30701	Advanced Ocular Disease I	44	0	0	0	3.00	letter
BSD30711	Special Topics I: Ocul. Dis. and Adv. Clinical Care	20	0	0	0	1.25	pass/fail
GRS97004	Biostatistics and Experimental Design II	10	5	0	0	0.75	letter
GRS97012	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97020/97023	Graduate Research Seminar IV	0	0	0	24	1.50	letter
GRS97042	Laboratory Research III	arranged with advisor				2.00	pass/fail
PC22701	Ophthalmic Business and Management Policy I	16	0	0	0	1.00	letter
PC32126	Patient Care IIIb	0	0	100	0	3.25	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
SAC33402	Development, Strabismus and Amblyopia	62	6	0	0	4.25	letter
Totals		239	28	100	48	22.00	

Spring Term 2022

Course Number	Course Title	Lecture	Lab	Patient Care	Seminar/Online	Credits	Grade Type
BSD30702	Advanced Ocular Disease II	56	0	0	15	3.75	letter
BSD30710	Special Topics: Ocul. Dis. and Adv. Clinical Care	20	0	0	0	1.25	pass/fail
GRS97013	Research Colloquia	8	0	0	0	0.50	pass/fail
GRS97021	Graduate Research Seminar III	0	0	0	24	1.50	letter
GRS97043	Laboratory Research IV	arranged with advisor				2.00	pass/fail
PC32005	Advanced Procedures	0	14.5	0	0	0.50	pass/fail
PC32127	Patient Care IIIc	0	0	140	0	4.75	pass/fail
PC32702	Ophthalmic Business and Management Policy II	25	0	0	0	1.75	letter
SAC33605	Pediatric Optometry	36	0	0	8	2.75	letter
VS31006	Solving Complex Refractive Issues	20	0	0	0	1.25	pass/fail
Totals		165	14.5	140	47	20.00	



OD/MS Dual Degree Program: Year 4

Fall Term 2022: 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		1.00	pass/fail
Totals						1.00	

Spring Term 2023: 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		1.00	pass/fail
Totals						1.00	

Final-year Clinical Rotations 2023-2024

Course Number	Course Title	Patient Care	Credits	Grade Type
ECP4916	Primary Care Rotation (offered Summer Term)	Minimum of 400	13.25	pass/fail
ECP4917	Primary Care Rotation (offered Fall Term)	Minimum of 400	13.25	pass/fail
ECP4918	Primary Care Rotation (offered Winter Term)	Minimum of 400	13.25	pass/fail
ECP4919	Primary Care Rotation (offered Spring Term)	Minimum of 400	13.25	pass/fail
ECP4921	Advanced Care Rotation (offered Summer Term)	Minimum of 400	13.25	pass/fail
ECP4922	Advanced Care Rotation (offered Fall Term)	Minimum of 400	13.25	pass/fail
ECP4923	Advanced Care Rotation (offered Winter Term)	Minimum of 400	13.25	pass/fail
ECP4924	Advanced Care Rotation (offered Spring Term)	Minimum of 400	13.25	pass/fail
ACC4961	Specialty Care Rotation (offered Summer Term)	Minimum of 400	13.25	pass/fail
ACC4962	Specialty Care Rotation (offered Fall Term)	Minimum of 400	13.25	pass/fail
ACC4963	Specialty Care Rotation (offered Winter Term)	Minimum of 400	13.25	pass/fail
ACC4964	Specialty Care Rotation (offered Spring Term)	Minimum of 400	13.25	pass/fail

Each student completes 53 clinical rotation credit hours during the final year. Contact Lenses Clinical Care is included in the rotations.