

**Master of Science in Clinical Optometry with an Advanced Studies Certificate Degree Program
Course of Study 2020-2021**

Module	Course Title	Semester Credits	Grade Type	Quarter
Module 4: Research Design and Applications	Epidemiology, Biostatistics, Research and Design	1.00	A-F	Fall Quarter 2020
Module 1: Foundations of Basic Science	Molecular and Cellular Processes	0.50	A-F	Fall Quarter 2020
Module 1: Foundations of Basic Science	Ocular Anatomy and Physiology	0.50	A-F	Fall Quarter 2020
Module 2: Optometric Applications and Ophthalmic Disease	Contact Lens Applications	0.50	A-F	Fall Quarter 2020
Module 2: Optometric Applications and Ophthalmic Disease	Concepts of Cataracts, Low Vision and Geriatric Care	0.50	A-F	Fall Quarter 2020
Module 4: Research Design and Applications	Evidence-Based Practice 1	0.50	A-F	Fall Quarter 2020
Module 2: Optometric Applications and Ophthalmic Disease	Pediatrics and the Study of Normal and Abnormal Binocular Function	1.00	A-F	Fall Quarter 2020
Module 2: Optometric Applications and Ophthalmic Disease	Pre and Post Refractive Surgery	0.50	A-F	Fall Quarter 2020
Module 3: Practice of Optometric Medicine	Clinical Procedures Laboratory	1.50	P-F	Fall Quarter 2020
Module 4: Research Design and Applications	Scholarly Project - Part 1	1.00	H-P-F	Fall Quarter 2020
Module 1: Foundations of Basic Science	General Physiology, Pathology and Pathophysiology 1	1.00	A-F	Fall Quarter 2020
Module 1: Foundations of Basic Science	Principles and Applications of Pharmacology 1	0.50	A-F	Fall Quarter 2020
Module 4: Research Design and Applications	Evidence-Based Practice 2	0.50	A-F	Winter 2020-2021
Module 1: Foundations of Basic Science	Human Anatomy and Neuroscience	1.00	A-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	Optic Nerve Disorders	0.50	A-F	Winter 2020-2021
Advanced Studies	Advanced Studies Part 1	1.00	P-F	Winter 2020-2021
Module 1: Foundations of Basic Science	Principles and Applications of Pharmacology 2	0.50	A-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	Ocular Biology and Anterior Segment Disease	1.00	A-F	Winter 2020-2021
Module 1: Foundations of Basic Science	Microbiology and Immunology	0.50	A-F	Winter 2020-2021
Module 1: Foundations of Basic Science	General Physiology, Pathology and Pathophysiology 2	0.50	A-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	Clinical Medicine and Disease Manifestations	1.00	A-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	Posterior Segment Disease	0.50	A-F	Winter 2020-2021
Module 4: Research Design and Applications	Scholarly Project - Part 2	1.50	H-P-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	Case Presentations and Panel Discussion	0.50	A-F	Winter 2020-2021
Module 2: Optometric Applications and Ophthalmic Disease	The Study of Glaucoma	0.50	A-F	Spring 2021
Advanced Studies	Advanced Studies Part 2	1.00	P-F	Spring 2021
Module 4: Research Design and Applications	Scholarly Project - Part 3	3.00	H-P-F	Spring 2021
Advanced Studies	Advanced Studies Part 3	1.50	P-F	Spring 2021
Module 3: Practice of Optometric Medicine	Controlled Patient Care Session 1	2.00	H-P-F	Spring 2021
Module 3: Practice of Optometric Medicine	Clinical Case Studies 1	3.00	A-F	Spring 2021
Module 4: Research Design and Applications	Culminating Scholarly Project 4	2.00	H-P-F	Summer 2021
Advanced Studies	Advanced Studies Part 4	1.50	H-P-F	Summer 2021
Module 3: Practice of Optometric Medicine	Clinical Case Studies 2	2.00	A-F	Summer 2021

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Module 3: Practice of Optometric Medicine	Controlled Patient Care Session 2	2.50	H-P-F	Summer 2021
Module 2: Optometric Applications and Ophthalmic Disease	Environmental Optometry	0.50	A-F	Summer 2021
Module 2: Optometric Applications and Ophthalmic Disease	Practice Management and Professional Development	0.50	A-F	Summer 2021
Total Program Credits		38.00		