

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Ophthalmic Technology Program prepares graduates to be professional manufacturing and dispensing opticians. The program consists of systematic instruction and experience in all aspects of the work in the profession. The program includes instruction and laboratory training in: contact lens skills, eyewear dispensing skills, lens finishing techniques, lens surfacing techniques, as well as sales techniques, basic business operations and communications. Instruction and practice in low vision aids, physician assisting skills, and ocular prosthetics are also covered.

Graduates of the program are prepared to take the American Board of Opticianry and the National Contact Lens Examiners certification examinations.

Graduates are also prepared to take the Nevada Board of dispensing Opticians licensing examination.

Graduates of the program can gain employment as manufacturing opticians, dispensing opticians, entry level management positions in vision care, as well as open their own independent vision care facility.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

Accrediting Agency: Commission on Opticianry Accreditation, P.O. Box 3073, Merrifield, VA 22116, (703) 940-9134.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to analyze the prescriptive and lifestyle needs of a patient and make appropriate recommendations for optical devices.
- Demonstrate the ability to perform all the daily tasks of a laboratory and dispensing optician in a competent manner.
- Demonstrate the competencies necessary to pass the ABO, NCLE, and Nevada State Board of Dispensing Opticians licensing examinations.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

SPECIAL PROGRAM REQUIREMENTS (46 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 100B or higher (excluding MATH 122, 123)	3	_____
SCIENCE: BIOL 101, BIOL 189 or HHP 123B and 124B Plus 3 or 4 credits from science requirements: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
OPHT 102B Introduction to Contact Lenses	3	_____
OPHT 105B Introduction to Contact Lens Lab	1	_____
OPHT 112B Anatomy and Physiology of the Eye and Related Structures	3	_____
OPHT 121B Ophthalmic Optics I	5	_____
OPHT 123B Ophthalmic Optics II	5	_____
OPHT 155B Geometric Optics	3	_____
OPHT 201B Ophthalmic Dispensing I	5	_____
OPHT 202B Contact Lenses I	3	_____
OPHT 203B Contact Lenses II	1	_____
OPHT 220B Theory of Refractometry	3	_____
OPHT 223B Ophthalmic Dispensing II	5	_____
OPHT 232B Opticianry Management Sales	3	_____
OPHT 260B Introduction to Low Vision	1	_____
OPHT 291B Clinical Applications III	3	_____
OPHT 299B Certificate Review	2	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

OPHT-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

Guided Pathway
Associate of Applied Science (AAS) – Ophthalmic Technologies
Total Credits 68

First Semester (First Fall)	Requirement	Credit Hours	Term
OPHT112	A&P of the Eye	3	
OPHT121	Ophthalmic Optics I	5	
OPHT 201	Ophthalmic Dispensing I	5	
ENG 101 **	English Elective – See note below	3	
	TOTAL	16	
Second Semester (First Spring)	Requirement	Credit Hours	Term
OPHT 123	Ophthalmic Optics II	5	
OPHT 223	Ophthalmic Dispensing II	5	
OPHT 155	Geometric Optics	3	
Communication Elective**		3	
	TOTAL	16	
Third Semester (Summer)	Requirement	Credit Hours	Term
Science Elective**	Science Elective – See note below	3	
	TOTAL	3	
Fourth Semester (Second Fall)	Requirement	Credit Hours	Term
OPHT 102	Introduction to Contact lenses	3	
OPHT 105	Introduction to Contact Lens Lab	1	
OPHT 220	Theory of Refractometry	3	
Math Elective**	Math Elective – See note below	3	
Human Relations Elective**	Human Relations Elective – See note below	3	
OPHT 291****	Clinical Applications III	3	
	TOTAL	16	
Fifth Semester (Second Spring)	Requirement	Credit Hours	Term
OPHT 202	Contact lens I	3	
OPHT 203	Contact lens II	1	
OPHT 232***	Opticianry Management Sales	3	
OPHT 260***	Introduction to Low vision	1	
Fine Arts Elective **	Fine Arts Elective – See note below	3	
U.S. and Nevada Constitutions Elective **	Constitution Elective – See note below	4-6	
OPHT 299****	Certificate Review	2	
	TOTAL	17	
	Degree TOTAL	68	

** Note – Students should refer to the current CSN Course catalog for a listing of approved courses for each of the General Education requirements listed above. Students may customize this degree by selecting General Education courses that fit their interests and are accepted by the college for each General Education requirement.

*** Note -The following courses may be taken in the first or second Spring semester OPHT 260, OPHT 232.

**** Note-The following courses may be taken in the second Fall or second Spring semester OPHT 291, OPHT 299.

NOTE: Students may alter to order of general education course according to their needs and class availability. Order of Genral Education courses presented here are suggestions only. Upon successful completion of the Ophthalmic Technologies Program and graduation from CSN, graduates will be able to apply and sit for the American Board of Opticianry and the National Contact Lens Examiners certification exams. Graduates will also be able to sit for the Nevada State Board of Dispensing Opticians exam after fulfilling the other requirements stated by the Board in NAC 637. Students should discuss exam eligibility with the Program Director or Program faculty of the Ophthalmic Dispensing Program.