

VISION CARE TECHNOLOGY - AAS (2122)

Division: Nursing and Health Sciences Division

Vision Care Technology program (2122) is accredited by the Commission on Opticianry Accreditation (COA), <https://coaccreditation.com> (<https://coaccreditation.com/>).

Code	Title	Credits
General Education Requirements (22 Credits)		
<i>Written & Oral Communication (6)</i>		
ENG 101	College Composition I	3
ENG 102	College Composition II	3
or ENG 105	Technical Writing	
<i>Quantitative/Scientific Knowledge, Skills & Reasoning (4)</i>		
Select one of the following:		4
MTH 100, MTH 101, MTH 103, MTH 113, MTH 119, MTH 120, MTH 122, MTH 127		
<i>Society & Human Behavior (6)</i>		
Select two of the following:		6
ANT 101, ANT 105, ECO 101, ECO 102, POL 104, PSY 101, PSY 102, PSY 219, SOC 101, SOC 108, SOC 219		
<i>Technological Competency (3)</i>		
CIS 107	Computer Literacy	3
or CIS 131	Micro Computers in Business	
<i>Humanistic Perspective (3)</i>		
Select any English Literature Course		3
or Select one of the following courses:		
ART 100, ART 101, ART 102, ART 200, CIN 101, CIN 103, DRA 100, FRN 101, FRN 102, MUS 100, MUS 109, MUS 110, MUS 117, PHI 101, REL 105, SPN 101, SPN 102		
or Select any History (HST) course		
Major Requirements (42 Credits)		
BIO 125	Anatomy and Phys of The Eye	3
OPH 123	Ophthalmic Laboratory I	4
OPH 124	Ophthalmic Laboratory II	4
OPH 126	Ophthalmic Materials I	3
OPH 127	Ophthalmic Materials II	3
OPH 201	Ophthalmic Dispensing I	5
OPH 202	Ophthalmic Dispensing II	5
OPH 203	Contact Lenses I	3
OPH 204	Contact Lenses II	3
OPH 210	Principles of Refraction I	3
OPH 273	Supervised Clin Instruction	3
PHY 111	Theory of Optics	3
Additional Course Requirements (7 Credits)		
ACC 101	Prin of Accounting I Financial	4
BUS 101	Business Organization & Mgmt	3
Total Credits		71

Notes:

1. For an explanation of why General Education courses are included in this Program, please refer to the Section on General Education for an explanation of its Purpose and Requirements.
2. This plan assumes the student is eligible to enroll in College Level Courses (designated as 100 +, e.g., ENG 101 College Composition I, HST 101 World Civilization I, MTH 100 Intro. to College Mathematics). Placement results will determine College Level Readiness in English and Mathematics.

Upon completion of this program, graduates will be able to:

- Develop lensometry skills necessary for laying out lenses for edging, inspecting jobs according to standards, and neutralizing a pair of glasses;
- Discuss prescription eyewear both verbally and written with patient / customer and eyecare professionals;
- Analyzing and interpreting prescriptions;
- Identify human eye structure including its function and pathology;
- Assist patient / customer in selection of proper frames and lenses;
- Determine patient / customer physiognomic measurements (facial and eye);
- Reading / neutralizing prescriptions of existing eyeglasses both single vision and multifocal;
- Verifying eyeglasses to the prescription as to being either dispensable or not dispensable according to New Jersey standards;
- Adapt and fit prescription eyeglasses to patient / customer;
- Demonstrate proficiency in eyeglass lens edging equipment and applying rules and regulations for safety;
- Ability to interpret contact lens prescriptions and the differences from spectacles prescriptions and how they relate to the anatomy of the eye;
- Understanding of how eyeglass prescriptions relate to the anatomy and physiology of the patient / customer's eye(s);
- Understanding frame and lens materials / designs and how they relate to patient / customer's needs considering the pros and cons of their decisions;
- Understanding theory of light and optics as it relates to lens designs and materials and focusing power;
- Understanding the standards and regulations both nationally and New Jersey and how they need to be applied;
- Learning the role / responsibility / professional ethics of an Optician; and
- Discuss the use of the phoropter to determine prescriptions subjectively.