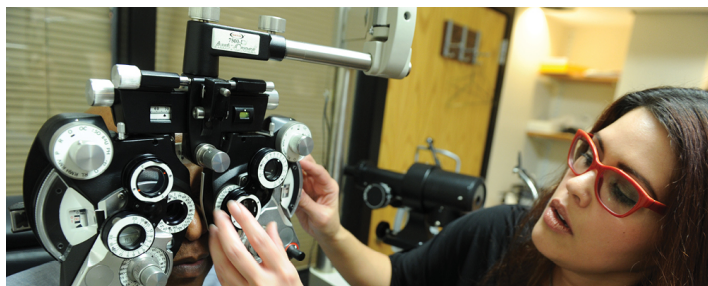


OPTICAL TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE



Dispensing opticians are those professionals who fit eyeglasses or contact lenses as prescribed by an Ophthalmologist or Optometrist. These professionals analyze prescriptions along with the patient's occupation and habits in order to make recommendations about lenses and spectacle frames. Licensed opticians may work in retail, laboratory, or private practice settings.

Program contact: Learn more

This degree program contains one or more embedded certificates which will be automatically awarded when the certificate requirements are completed. If you do not want to receive the embedded certificate(s), please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.

Learn more about how certificate credits apply to the related degree.

Program Admission Requirements

Application may be submitted to the Health Careers Enrollment Center after meeting the following requirements

- High School Diploma/GED
- ENG-0995 Applied College Literacies or appropriate score on English Placement Test.
- MATH-0955 Beginning Algebra or appropriate score on Math Placement Test.
- OPT 1100 Introduction to Optical Technology
- GPA required: 2.00 overall

Other Information

- 10 students accepted per year
- Criminal background check required.
- Acceptance into a Tri-C Healthcare program with a BCI record does not guarantee a clinical site place, acceptance by the profession's licensure/registration board, or employment upon graduation.
- Non-native English speaking applicants: Admission into Cuyahoga Community College is premised on a complete and accurate initial application to the College, including, if applicable, proof of English Language Proficiency Requirements for admission as indicated on the English Language Proficiency Requirements for Admissions to the College, and available on the web at: <http://www.tri-c.edu/get-started/international-students/english-language-proficiency-requirements-for-admission.html>

To be accepted into any selective admission programs, students must successfully complete English as a Second Language (ESL) course/s, as referenced above, if deemed necessary by the College at the time of enrollment. Admission is conditioned upon achieving the necessary grade point average (GPA), English language proficiency requirements and any specific pre-requisite courses, and by meeting program accreditation or licensing requirements as evidenced in the Program Handbook for the specific program.

Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Communicate verbally and in writing to clients, colleagues, and other professionals.
2. Design eyewear by combining accurate physiognomic measurements with knowledge of ocular anatomy, geometric optics and prescription analysis.
3. Demonstrate proficiency in the operation and function of equipment and tools used in the fabrication and verification of eyewear.
4. Perform all tasks associated with the fitting and dispensing of eyewear.
5. Apply knowledge of ocular physiology and of local, state and federal guidelines in order to maintain accurate medical records.
6. Demonstrate an understanding of the ophthalmic profession and optical manufacturing process.
7. Work within the safety standards that govern opticianry.
8. Discuss Ohio and national statutes that govern opticianry.
9. Conduct him/herself in a professional manner at all times.

Suggested Semester Sequence

Summer Start		Credit Hours
MATH-1xxx	1000-level MATH course or higher	3
OPT-1100	Introduction to Optical Technology	1
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
Select one of the following:		3
PSY-1010	General Psychology	
PSY-101H	Honors General Psychology	
Credit Hours		10
First Semester		
BIO-1230	Anatomy and Physiology of the Eye	4
OPT-1310	Theoretical Optics I	2
OPT-1400	Introduction to Fabrication Principles	1
OPT-1411	Basic Spectacle Fabrication	1
OPT-1510	Optical Dispensing I	3
OPT-1610	Contact Lens I	2
Credit Hours		13
Second Semester		
OPT-1320	Theoretical Optics II	2
OPT-1421	Advanced Spectacle Fabrication	1
OPT-1520	Optical Dispensing II	3
OPT-1621	Contact Lens II	2

PHYS-1300	Physics of Optical Materials	4
	Credit Hours	12
Third Semester		
OPT-1710	Introduction to Patient Care	3
OPT-2501	Optical Business	3
OPT-2550	Advanced Optical Dispensing Lab	1
OPT-2650	License Review Spectacle	1
OPT-2940	Optical Field Experience I	2
OPT-2971	Optical Field Experience Seminar I	3
	Credit Hours	13
Fourth Semester		
OPT-2660	License Review Contact Lens	1
OPT-2702	Refractometry	2
OPT-2950	Optical Field Experience II	2
OPT-2981	Optical Field Experience Seminar II	3
	Select one of the following:	3
ENG-1020	College Composition II	
ENG-102H	Honors College Composition II	
COMM-1010	Fundamentals of Speech Communication	
COMM-101H	Honors Speech Communication	
	Select one of the following:	3
PHIL-2050	Bioethics	
PHIL-205H	Honors Bioethics	
	Credit Hours	14
	Total Credit Hours	62