



## VISION CARE 2024-2025

GRADE	COURSES	COURSES
9 <sup>th</sup> -10 <sup>th</sup>	<b>Vision Care I</b> 1-Credit	<b>NOTE:</b> Anyone starting the Vision Care pathway in 10th grade, will not be able to obtain the CTE Endorsement.
10 <sup>th</sup> -11 <sup>th</sup>	<i>Passed Vision Care I</i> <b>Vision Care II</b> 1 - Credit	<b>Vision Care I</b> 1-Credit
11 <sup>th</sup> -12 <sup>th</sup>	<i>Passed Vision Care I - II</i> <b>Vision Care III</b> 1 - Credit	<i>Passed Vision Care I</i> <b>Vision Care II</b> 1 - Credit
12 <sup>th</sup>	<i>Passed Vision Care I-II- III</i> <b>Vision Care IV</b> <b>Clinical Experience</b>	<i>Passed Vision Care I- II</i> <b>Vision Care III</b> 1 - Credit
	<i>Required for CTE Endorsement</i> <b>Careers &amp; Financial Management- BUSINESS</b> 1 - Credit	

<b>📝 PATHWAY EXAM = 4 + 1 (5<sup>th</sup> Regents)</b>
<b>ECC'S OPHTHALMIC FABRICATION COURSE – FINAL EXAM</b>
<b>If accepted to ECC, the passing of this exam and completion of the program = 3 Credit Course Articulation</b>



## COURSE DESCRIPTIONS

### **Vision Care I** 9<sup>th</sup> – 11<sup>th</sup> Grade

**Description:** In this first course you will be introduced to the anatomy of the human eye and sight(vision). From there you will study the various causes of poor vision health. Once you understand the eye and vision issues you will then learn how lenses are used to help correct these issues. You then work hands-on with the tools required for vision correction, learning to use the various machines used to manufacturing prescription eyewear. Throughout the course you will complete a variety of projects to help you gain knowledge of the optician and the roles they play in the workforce. The final project in this class will be you manufacturing a corrective pair of glasses from a doctor's prescription. Upon completion of this first Vision Care course you will be eligible for internships, job references to local ophthalmic manufacturing companies.

### **Vision Care II** 10<sup>th</sup>-12<sup>th</sup> Grade

**Description:** In this second level Vision Care course you will expand on the skills you learned in year one on the various machines needed to make glasses: lensometer, blocker and edger. You will start to take on a leadership role in the program as you complete a variety of projects to further your knowledge including manufacturing multifocal lenses, repairing broken glasses, and maintaining the manufacturing equipment in the lab. In this course you will get several chances to work with the visiting eye doctors as you assist them with patient care: measuring patient's pupillary distances, helping patients to pick out frames that fit their facial structure and maintaining patient records (prescriptions). As part of these visits you will learn appropriate safeguards to protect the privacy of protected health information as outlined in federal HIPPA regulations. Throughout the year you will be manufacture glasses that fit an optometrist supplied prescription, and dispense fabricated glasses to students.

### **Vision Care III** 11<sup>th</sup> - 12<sup>th</sup> Grade

**Description:**

This final class in Vision Care is an extension of Vision Care II. As a student in VC III you will continue to hone your skills in manufacturing various types of glasses but will also learn how to apply anti-reflective coating to lenses, tint lenses, and develop and print 3D versions of frames for personal choice. As in Vision Care II you will be responsible for working with eye doctors during the vision screening events that are scheduled. However, you will take on the role of manager, helping to lead and direct students in Vision Care II as they participate in these visits. As an exit performance portfolio piece you will develop plans for an optical store including: layout of the store, equipping of the store with necessary machines and tools as well as determining frame selection and inventories.

### **Vision Care IV- Clinicals** 12<sup>th</sup> Grade

The East High/Flaum Clinical provides Vision Care students with a comprehensive 120 hour supervised experience in various aspects of eye care. The program targets 70% hands-on and 30% observatory experiences. Flaum will provide rotations within clinical & diagnostic eye care, retail optical, and community outreach. Activities would rotate between our Strong Hospital and 500 S. Clinton Ave locations.