

DEKALB TECHNICAL COLLEGE
Clarkston Campus

**OPTICIANRY
OPTICAL LABORATORY TECHNICIAN
TECHNICAL CERTIFICATE OF CREDIT**

This TCC is a short-term program designed to provide students with the basic knowledge and skills needed to gain employment as an optical laboratory technician. The program also provides the opportunity for individuals in the optical field to obtain formal education in a specialized area.

Course Number	Course	Class Hours	Lab Hours	Total Hours	Credit Hours	Prerequisites/Corequisites
FIRST QUARTER						
OPD 101	Introduction to Ophthalmic Optics	50	0	50	5	*
OPD 106	Optical Laboratory Techniques I	50	100	150	8	*
SECOND QUARTER						
OPD 102	Eye Anatomy and Physiology	50	0	50	4	OPD 101
OPD 107	Optical Laboratory Techniques II	50	100	150	8	OPD 106

*Program admission level in English, reading, and/or mathematics required.

CIP CODE: 51.180101 MAJOR CODE: OPL1 REQUIRED CREDIT HOURS: 25 10/07

The curriculum is subject to change to meet changing conditions. As set forth in its catalog, DeKalb Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

COURSE DESCRIPTIONS

OPD 101 – INTRO TO OPHTHALMIC OPTICS (5)
Prerequisite: Program admission level English, reading, and math scores
Introduces the eye-care field and the profession of opticianry. Emphasis is placed on the scope of activities performed by opticians. Topics include: eye-care professions, major divisions of opticianry, basic ocular anatomy, light and refraction, vision problems, and corrective lenses.

OPD 107 – OPTICAL LABORATORY TECHNIQUES II (8)
Prerequisite: OPD 106
Continues study of lens fabrication. Emphasis is placed on using specialized lens materials and multifocal surfacing and finishing techniques. Topics include: specialized lens blanks, multifocal lenses, inspection multifocal lenses, optical calculations, high index lenses, frame repairs, and optical equipment maintenance.

OPD 106 – OPTICAL LABORATORY TECHNIQUES I (8)
Prerequisite: Program admission level English, reading, and math scores
Introduces the operations involved in lens fabrication. Emphasis is placed on knowledge of equipment operations and developing lens surfacing and finishing techniques. Topics include lens processing terminology, surfacing and finishing equipment, lens blank selection and layout, surfacing techniques, finishing techniques, inspection of lenses, and insertion techniques.

ESTIMATED PROGRAM COSTS

First Quarter

Tuition/Fees	\$544.00
Books	\$215.00
Liability Insurance.....	15.00
Total	\$774.00

Second Quarter

Tuition/Fees.....	\$544.00
Books and Tool Kit	\$300.00
Total	\$844.00

OPD 102 - EYE ANATOMY AND PHYSIOLOGY (4)
Prerequisite: OPD 101
Develops knowledge of the anatomy and physiology of the eye. Emphasis is placed on corneal metabolism and its accommodation of a contact lens. Topics include: anatomy and physiology of the eye, eye diseases and abnormalities, corneal metabolism, drugs and treatment methods, and ophthalmic terminology.

Total Cost **\$1,618.00**

Tuition/fees and cost of books/supplies are estimates only and are subject to change without notice. Tuition is based on Georgia residency.
10/07