

# DENTAL LABORATORY TECHNOLOGY

NYS CIP CODE: 51.0603

## Program Summary

- It's an exciting time to enter the dental field with new digital techniques, materials, and equipment!
- Dental laboratory technology is the art and science of the fabrication of corrective devices and replacements for natural teeth.
- Learn five specialties of dental laboratory technology: complete denture, partial denture, crown and bridge restoration, porcelain and ceramics and orthodontics.
- A combination of science, art, skill and craftsmanship along with a complete comprehension of basic techniques, materials, anatomy and terminology will enable the students to fabricate an appliance from beginning to end.

## College Credit Connections

- SUNY Erie

## Additional Information

- Students are responsible for purchasing a lab coat.

## Career Pathways

### Professional Careers

Dentist  
Oral Surgeon  
Orthodontist

### Technical Careers

Dental Hygienist  
Dental Lab Technician  
Research and Development

### Entry Level Careers

Dental Assistant  
Dental Office  
Dental Supply Company



# DENTAL LABORATORY TECHNOLOGY

## Intro to Dental Lab, Anatomy, and Terminology

- SkillsUSA
- Laboratory Safety
- Oral Anatomy
- OSHA - Infection Control
- Tooth Morphology
- Dental Terminology

## Complete Dentures

- All Phases of Complete Dentures
- Denture Repairs
- Denture Border Anatomy
- Interim Partial / Flipper
- Interim Denture / Jiffy Denture
- Introduction to Orthodontics

## Orthodontics and Restorations

- Orthodontic Appliances
- Hawley Retainers
- Two Pour Models
- Crown and Bridge Restorations
- Waxing Inlays and Onlays
- Investing and Casting Inlays and Onlays
- Finishing / Polishing
- Temporary Crown
- Full Cast Gold Crown

## Restorations and Partial Denture Framework

- Crown and Bridge Restorations
- Waxing 3-Unit Bridge
- Investing / Casting
- Finishing / Polishing
- Partial Denture Frameworks
- Introduction to Dental Laboratory Porcelains
- Introduction to Porcelain Fused to Metal

## Dental and Oral Anatomy

- Dental Anatomy
- Oral Anatomy
- Complete Dentures II
- Characterization
- Light Curing Materials
- Success Injection System

## Complete Denture II

- Complete Dentures II
- Immediate Dentures
- Reline and Rebases
- Intro to Dental Implants
- Orthodontics II
- Soldering
- Removable Alignment Appliance
- Custom Mouth Guards
- Bleaching Trays

## Ceramics and Orthodontics

- Crown and Bridge
- Disposable Articulation System
- Single Tray Impression System
- Waxing Copings
- Induction Casting
- Lite-Cast Coping
- Preparation of Coping
- Ceramics / Porcelain

## Shape Digital Design/Scanning and Milling

- Ceramics
- Addition of Porcelain
- Cosmetic Dentistry
- Intro to CAD / CAM
- Professional Interview
- Internship (3 Weeks on Site)
- 3 Shape Digital Design / Scanning and Zirconia Milling System



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