Dental Laboratory Technology

2-Year Program
Harkness

NYS Technical Endorsement

Program Highlights
• All Phases of Denture Fabrication
• Partial Denture Frameworks
• Crown and Bridge Restorations
• Porcelain / Ceramics
• Orthodontics
• Cosmetic Dentistry
• Oral Anatomy Landmarks / Terminology
• Tooth Classification / Surfaces
• Dental Laboratory Equipment / Tools / Materials
• OSHA Safety / Infection Control Training
• Portfolio Development
• Internships

Special Note
• Students are responsible for purchasing a lab coat.

Articulation Agreement
• ECC South, Dental Laboratory Technology (5 credits)

Career Connections
• Commercial Laboratory
• Hospital
• Private Laboratory
• Dental Office
• Dental Supply Company
• Dental Laboratory Technology
• Dental Hygiene Program
• School of Dental Medicine
• Dental Assisting

The Dental Laboratory Technology Program is intended for students interested in pursuing a career in dental lab technology, dentistry, dental hygiene and dental assisting. The course covers 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. The program will prepare students for post-secondary education and / or entry level work in the dental field.
UNIT 1:
- SkillsUSA
- Orientation to Dental Laboratory Technology
- Laboratory Safety
- Oral Anatomy
- Tooth Morphology
- Dental Terminology
- Denture Border Anatomy
- All Phases of Complete Dentures

UNIT 2:
- All Phases of Complete Dentures
- OSHA - Infection Control
- Denture Repairs
- Interim Partial / Flipper
- Interim Denture / Jiffy Denture
- Introduction to Orthodontics

UNIT 3:
- Orthodontic Appliances
- Hawley Retainers
- Two Pour Models
- Crown and Bridge Restorations
- Waxing Inlays / Onlays
- Investing & Casting Inlays / Onlays
- Finishing / Polishing
- Temporary Crown
- Full Cast Gold Crown

UNIT 4:
- 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

UNIT 5:
- SkillsUSA
- Orientation to Dental Laboratory Technology
- Laboratory Safety
- Dental Anatomy
- Oral Anatomy
- Complete Dentures II
- Characterization
- Light Curing Materials
- Success Injection System

UNIT 6:
- Complete Dentures II
- Immediate Dentures
- Reline & Rebases
- Intro to Dental Implants
- Orthodontics II
- Soldering
- Removable Alignment Appliance
- Custom Mouth Guards
- Bleaching Trays

UNIT 7:
- Crown & Bridge
- Disposable Articulation System
- Single Tray Impression System
- Waxing Copings
- Induction Casting
- Lite-Cast Coping
- Preparation of coping
- Ceramics / Porcelain

UNIT 8:
- Ceramics
- Addition of Porcelain
- Cosmetic Dentistry
- Intro to CAD / CAM
- Professional Interview
- Internship (3 Week on Job Site)