2027 Job Task Outline for Certified Dental Technician Ceramics Examination
For NBC Examinations beginning January 1, 2027

NBC
National Board for Certification in
Dental Laboratory Technology

This outline is intended solely for use of candidates interested in seeking certification with the National Board for Certification in Dental Laboratory Technology. NBC reserves the right to amend the information contained in this document. This outline was last revised in June 2026.

The materials in this document are protected under provisions of US Copyright law. Any unauthorized distribution, reproduction or use by any means is strictly prohibited by law without prior written permission from the copyright owners.

Perform Preliminary & Diagnostic Work Up *(9-11% of written exam questions are from this domain)*
Manufacture diagnostic cast from preliminary impression or digital file for case design
Evaluate case for various types of restorations
Recognize contraindications for materials/case design
Perform diagnostic wax up (e.g., traditional, digital)
Manufacture Master Cast (Traditional or Digital) *(9 - 11% of written exam questions are from this domain)*
Manufacture the master cast
Identify and evaluate preparation designs
Prepare the dies
Articulate casts
Manufacture Substructure for Ceramics *(18 - 20% of written exam questions are from this domain)*
Design substructure for ceramics (e.g., traditional, digital)
Identify various manufacturing methods (e.g., traditional, digital)
Select compatible materials for manufacturing methods
Identify techniques for manufacturing methods
Evaluate restoration/substructure
Identify techniques for welding, pre and post ceramic
Ceramic Application & Contouring *(36 - 38% of written exam questions are from this domain)*
Select ceramic materials according to prescription
Prepare surface for ceramic application
Apply opaque/liner
Layer ceramic material (e.g., traditional, digital)
Contour tooth morphology
Verify occlusion, contacts and excursions
Evaluate shade and characterization
Stain and glaze techniques
Finish and polish techniques
Evaluate the restoration for final acceptance

© 2027 National Board for Certification in Dental Laboratory Technology

Selection and Application of Materials and Equipment for Ceramics *(21 - 23% of written exam questions are from this domain)*
Identify properties and application of materials
Identify properties and applications of abrasives and polishing agents
Identify the use of instruments and equipment
Identify use of acids
Identify components of CAD/CAM systems
Identify properties and application of investment materials
Identify properties and application of ceramic materials
Identify application of sealers, die hardeners, spacers, and separating mediums

© 2027 National Board for Certification in Dental Laboratory Technology