



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 of 2016.

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| Perform Preliminary & Diagnostic Work Up |
| 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 custom tray |
| Manufacture Master Cast (Traditional or Digital) |
| Manufacture the master cast |
| Identify and evaluate preparation designs |
| Prepare the dies |
| Articulate casts |
| Design and Manufacture Patterns (Traditional or Digital) |
| Determine method for creating pattern |
| Identify design parameters for fixed restorations |
| Manufacture pattern for full contour restoration |
| Manufacture pattern for post & core |
| Manufacture pattern for ceramic substructures |
| Manufacture pattern for bridges |
| Manufacture pattern for pressed restorations |
| Manufacture pattern for inlays/onlay |
| Manufacture Restoration |
| Select manufacturing method (e.g., traditional, digital) |
| Sprue and invest pattern |
| Burnout invested mold |
| Cast/Press/Divest the restoration |
| Digital Manufacturing Techniques |
| Finish and Polish the Restoration |
| Inspect the restoration for defects |
| Remove the sprues |
| Seat restoration to die(s) |
| Finish the restoration |
| Refine contacts, occlusion and excursions |
| Prepare surface for porcelain |

2016 Job Task Outline for Certified Dental Technician Crown Bridge Examination
For NBC Examinations beginning January 1, 2017

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| Polish the restoration |
| Evaluate the restoration for final acceptance |
| Perform Soldering & Welding |
| Apply soldering/welding techniques |
| Solder/weld bridge components together |
| Solder/weld connectors |
| Solder/weld attachments |
| Perform repairs |
| Selection and Application of Materials and Equipment for Crown & Bridge |
| Identify properties and application of pattern materials |
| Identify properties and applications of abrasives and polishing agents |
| Identify safety protocol for the use of flux materials |
| Identify safety protocol for use and storage of acids |
| Identify safety protocol for use and storage of laboratory gases |
| Identify and select restorative materials |
| Identify components of CAD/CAM systems |
| Identify properties and application of refractory and investment materials |
| Identify application of sealers, die hardeners, spacers, and separating mediums |
| Identify the use of instruments and equipment |