

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 of 2016.

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.

<b>Perform Preliminary and Diagnostic Work Up</b> <i>(20 - 22% of written exam questions are from this domain)</i>
Differentiate between implant technologies
Categorize and identify case design options
Understand osseointegration and biocompatibility
Understand correlation between bone density and load bearing capability
Understand occlusal considerations for fixed or hybrid restorative options
Understand occlusal considerations for removable restorative options
Recognize contraindications for materials/case design
Plan and construct case diagnostics
Recommend final case design
Manufacture guide stent (radiographic/surgical)
<b>Manufacture the Master Cast</b> <i>(10 - 12% of written exam questions are from this domain)</i>
Identify custom tray options and assess impression for acceptance
Identify, select, and assemble implant parts
Manufacture soft-tissue cast
Articulate casts
Design and construct verification jig
<b>Manufacture Removable Prosthesis</b> <i>(8 - 10% of written exam questions are from this domain)</i>
Construct baseplate and occlusal rim
Identify and understand implant attachments
Manufacture implant retained denture
<b>Manufacture Bar/Substructure</b> <i>(15 - 17% of written exam questions are from this domain)</i>
Identify and understand implant retained options
Identify and understand implant bar attachments
Identify and understand load bearing parameters
Identify and understand angle correction at fixture levels
Design and manufacture bar/substructure (e.g., traditional, digital)
Verify and fit bar/substructure
Correct discrepancies (e.g., weld, solder, remake)

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

<b>Manufacture Screw-Retained Fixed or Removable (Hybrid) Restoration</b> <i>(16 - 18% of written exam questions are from this domain)</i>
Identify and select components
Understand path of insertion and emergence profile
Design restoration (e.g., traditional, digital)
Manufacture restoration (e.g., traditional, digital)
<b>Manufacture Abutment and Cement-Retained Restoration</b> <i>(14 - 16% of written exam questions are from this domain)</i>
Identify and select components
Understand path of insertion and emergence profile
Design restoration (e.g., traditional, digital)
Manufacture restoration (e.g., traditional, digital)
<b>Selection and Application of Materials and Equipment</b> <i>(9 - 11% of written exam questions are from this domain)</i>
Select and operate manufacturing equipment
Identify the use of instruments
Understand federal regulatory requirements governing implant abutment design and manufacturing
Identify components of CAD/CAM systems