

Job Task Outline for Certified Dental Technician Digital Workflow Examination  
For NBC Examinations beginning in 2023



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<b>Data Acquisition</b> <i>(21- 25% of written exam questions are from this domain)</i>
Retrieve IO scans
Interpret prescriptions
Plan cases (e.g., dental, restorative, treatment)
Create digital workorders (e.g., all indications)
Scan physical impression and/or final models (e.g., bite registration, max/min, scan bodies, tissue)
Import intra-oral scans into CAD software (e.g., .stl files)
Perform scan quality checks
Clean up excess data from scans
Import/Export CAD files (e.g., outsource workflow)
<b>Design Indications</b> <i>(30- 34% of written exam questions are from this domain)</i>
Model/Scan orientation
Establish a design protocol
Select materials
Navigate tooth and material libraries
Design models (e.g., milling, printing)
Design cosmetic smile
Design crowns and bridges
Design custom trays
Design complete dentures
Design RPDs
Design splints (e.g., night guards)
Design orthodontic appliances
Design surgical guides
Design implant abutments
Design all on X
<b>Fabricating Restorations</b> <i>(22 - 26% of written exam questions are from this domain)</i>
Outsource design to appropriate manufacturers
Use CAM software to nest CAD restorations in mills
Use CAM software to nest CAD restorations in 3D printers
Perform CAM quality checks (e.g., milling strategy, print simulation)
Troubleshoot errors/problems (e.g., CAM error messaging during design or nesting)
Operate 3D printers (e.g., load/unload, calibrate/test)
Operate mills (e.g., load/unload, calibrate/test)
Post-process printed parts (e.g., final curing of printed material)
Post-process milled parts (e.g., blowing off dust, sintering, sprue removal)
Perform restoration quality checks (e.g., shade margins)
<b>Maintaining Digital Equipment</b> <i>(20 - 24% of written exam questions are from this domain)</i>
Maintain PC (e.g., memory, graphics card, server archival)
Maintain software licenses (e.g., adding new software, renewing licenses)
Maintain regulatory standards (e.g., 510K, HIPAA, OSHA)
Perform electronic updates (e.g., software system)
Maintain CAD/CAM material files (e.g., DMEs, file library)
Maintain scanners (e.g., calibration, dust/debris removal)
Maintain mills (e.g., calibration, cleaning, tool changing)
Maintain 3D printers (e.g., calibration, cleaning, and changing trays)
Maintain sintering trays and furnaces (e.g., purging, clean/repair, replace heating elements)