

Butler Tech Dental Science Essential Skills Profile

This profile provides an outline of the skills required for the successful completion of this career program. Additional information is located on the Butler Tech website at: <https://www.butlertech.org/high-school/> and selecting the corresponding career program.

Recommended WorkKeys® Scores for Dental Science

Applied Mathematics - 4	Graphic Literacy - 4
Workplace Documents - 4	

*Practice tests and more information at: www.act.org/workkeys

Skills

Active Listening	Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.
Reading Comprehension	Understanding written sentences and paragraphs in work related documents.
Speaking	Talking to others to convey information effectively.

Abilities Required

Oral Comprehension	The ability to listen to and understand information and ideas presented through spoken words and sentences.
Near Vision	The ability to see details at close range (within a few feet of the observer).
Oral Expression	The ability to communicate information and ideas in speaking so others will understand.

Knowledge Required in Dental Science

Medicine and Dentistry	Knowledge of the information and techniques needed to diagnose and treat human injuries, diseases, and deformities. This includes symptoms, treatment alternatives, drug properties and interactions, and preventive health-care measures.
English Language	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.
Customer and Personal Service	Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

Dental Science Activities

- Prepare patient, sterilize or disinfect instruments, set up instrument trays, prepare materials, or assist dentist during dental procedures.
- Record treatment information in patient records.
- Expose dental diagnostic x-rays.
- Take and record medical and dental histories and vital signs of patients.
- Assist dentist in management of medical or dental emergencies.
- Provide postoperative instructions prescribed by dentist.
- Instruct patients in oral hygiene and plaque control programs.
- Order and monitor dental supplies and equipment inventory.
- Fabricate and fit orthodontic appliances and materials for patients, such as retainers, wires, or bands.
- Fabricate temporary restorations or custom impressions from preliminary impressions.
- Schedule appointments, prepare bills and receive payment for dental services, complete insurance forms, and maintain records, manually or using computer.
- Make preliminary impressions for study casts and occlusal registrations for mounting study casts.
- Pour, trim, and polish study casts.
- Apply protective coating of fluoride to teeth.
- Clean and polish removable appliances.

Technology

Word Processing Software	Medical Software
Spreadsheet Software	Electronic Records
Office Suite Software	Accounting Software

Personality

Conventional: People interested in this work like activities that include data, detail, and regular routines. They do well at jobs that need:	
Cooperation	Dependability
Attention to Detail	Self-Control
Integrity	Concern for Others

Available Certifications

Ohio Dental Assistant Radiography Certification (6 Points)	CPR / First Aide Certification (1 Point)

Possible College Credits

College Credit Plus in English, Math, Social Studies, or Science	Must be preapproved. Must pass a college course at an Ohio college or College Credit Plus class at Butler Tech.
Career Technical Credit Transfer	<ul style="list-style-type: none"> • The Ohio Transfer to Degree Guarantee helps career and technical students transfer credits earned in high school to community college or four-year degree programs. The credit can be used at any Ohio public college or university: • If you successfully completed your career-technical program and passed certain required assessments. • If you attend a similar program at a public Ohio college or university. <p>For more information, go to www.transfercredit.ohio.gov</p>
Articulated Credit	Butler Tech has agreements with certain colleges that may give you credits for a specific degree.

*Additional college or post-secondary education may be required in this field

Possible Career Pathways

Chairside Assistant	Dental Lab Technician
Endodontic Dental Assistant	Circulating Dental Assistant
Orthodontic Dental Assistant	Prosthodontic Dental Assistant
Oral Surgery Dental Assistant	Business Office Manager
Hygiene Assistant	Business Office Assistant
Hospital Dental Clinic Assistant	Pedodontic Dental Assistant