



Butler Tech Healthcare 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 Healthcare Science

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

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

Skills

Service Orientation	Actively looking for ways to help people.
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.
Social Perceptiveness	Being aware of others' reactions and understanding why they react as they do.

Abilities Required

Oral Comprehension	The ability to listen to and understand information and ideas presented through spoken words and sentences.
Problem Sensitivity	The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
Near Vision	The ability to see details at close range (within a few feet of the observer).

Knowledge Required in Healthcare Science

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.
Administration and Management	Knowledge of business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources.
English Language	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Healthcare Science Activities

- Turn or reposition bedridden patients.
- Feed patients or assist patients to eat or drink.
- Position or hold patients in position for surgical preparation.
- Measure and record food and liquid intake or urinary and fecal output, reporting changes to medical or nursing staff.
- Document or otherwise report observations of patient behavior, complaints, or physical symptoms to nurses.
- Provide physical support to assist patients to perform daily living activities, such as getting out of bed, bathing, dressing, using the toilet, standing, walking, or exercising.
- Remind patients to take medications or nutritional supplements.
- Review patients' dietary restrictions, food allergies, and preferences to ensure patient receives appropriate diet.
- Undress, wash, and dress patients who are unable to do so for themselves.
- Observe or examine patients to detect symptoms that may require medical attention, such as bruises, open wounds, or blood in urine.
- Lift or assist others to lift patients to move them on or off beds, examination tables, surgical tables, or stretchers.
- Supply, collect, or empty bedpans.
- Communicate with patients to ascertain feelings or need for assistance or social and emotional support.
- Record vital signs, such as temperature, blood pressure, pulse, or respiration rate, as directed by medical or nursing staff.
- Set up treating or testing equipment, such as oxygen tents, portable radiograph (x-ray) equipment, or overhead irrigation bottles, as directed by a physician or nurse.
- Gather information from caregivers, nurses, or physicians about patient condition, treatment plans, or appropriate activities.
- Prepare or serve food trays.
- Wash, groom, shave, or drape patients to prepare them for surgery, treatment, or examination.
- Change bed linens or make beds.
- Exercise patients who are comatose, paralyzed, or have restricted mobility.
- Restock patient rooms with personal hygiene items, such as towels, washcloths, soap, or toilet paper.
- Clean and sanitize patient rooms, bathrooms, examination rooms, or other patient areas.
- Administer medications or treatments, such as catheterizations, suppositories, irrigations, enemas, massages, or douches, as directed by a physician or nurse.
- Assist nurses or physicians in the operation of medical equipment or provision of patient care.
- Record height or weight of patients.
- Apply clean dressings, slings, stockings, or support bandages, under direction of nurse or physician.
- Transport patients to treatment units, testing units, operating rooms, or other areas, using wheelchairs, stretchers, or moveable beds.
- Stock or issue medical supplies, such as dressing packs or treatment trays.
- Collect specimens, such as urine, feces, or sputum.
- Explain medical instructions to patients or family members.
- Transport specimens, laboratory items, or pharmacy items, ensuring proper documentation and delivery to authorized personnel.
- Provide information, such as directions, visiting hours, or patient status information to visitors or callers.

Technology

Word Processing software	Spreadsheet software
Medical software	Office Suite software
Accounting software	

Personality

Social: People interested in this work like activities that include helping people, teaching, and talking. They do well at jobs that need:	
Concern for Others	Attention to Detail
Dependability	Integrity
Self-control	Adaptability / Flexibility

Available Certifications

Ohio State Tested Nurse Aide (STNA) (12 Points)	National Health Association (NHA)-Clinical Medical Assistant (3 Points)
National Health Association (NHA)-Certified Phlebotomy Technician (12 Points)	OSHA-10 Healthcare (1 Point)
Patient Care Assistant (PCA)	CPR/First Aid Certification (1 Point)
Ohio State Board of Pharmacy (OPHT) - Certified Pharmacy Technician (12 Points)	

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	<p>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:</p> <ul style="list-style-type: none"> • 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; if you attend one of those colleges you can get credit toward a specific degree.

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

Possible Career Pathways

Nurse Assistant	Paramedic
Patient Care Assistant	LPN
Radiographic Technician	Lab Technician
Nurse Practitioner	RN
Medical Assistant	Physician
Respiratory Therapist	Pharmacy Technician