



Great Oaks Health Technology Essential Skills Profile

This profile provides an outline of the skills required for successful completion of this career program. Additional information is located on the Great Oaks website at <http://hs.greatoaks.com/essential-skills-high-school-programs/> and selecting the corresponding career program.

Recommended Work Keys Scores for Health Technology

Applied Mathematics-4	Locating Information-4
Reading for Information-4	

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

Essential Skills Needed to Successfully Complete the Program

Rating Key:	Low = Slightly Essential	Medium = Essential	High = Very Essential
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Key Vocational Factors		Rating
Visual Acuity	The ability to detect differences/details visually	High
Depth Perception	The ability to detect the physical distance/depth of objects in space and time	High
Oral Communication	The ability to express/explain ideas.	High
Written Communication	The ability to communicate in a written format and record information accurately	High
Physical Mobility/Strength	Extended stooping, bending, walking, and lifting; must be able to lift a minimum of 50 pounds	High
Eye-hand Coordination	The ability to use tools	High
Auditory Acuity	The ability to detect differences in pitch and sound	High

Worker Trait Skills	Rating
Ability to get along with others	High
Ability to work independently, without close supervision	High
Ability to work toward work including tasks of minimal interest	High
Ability to work accurately, recheck and correct work, to an industry standard	High
Dependability (Attendance and Punctuality)	High
Ability to follow, interpret, and retain:	
Multi step oral instructions	High
Written instructions/technical manuals-multi step	High
Simple to complex diagram instructions	Medium
Visual models or demonstrated instructions	Medium
Ability to use tools of trade (urinalysis test strips, therapeutic heating or cooling pads or compresses, specimen collection container, glucose monitors or meters, electronic medical thermometers, blood pressure, stethoscope, spirometers, patient stabilization devices, needles, etc.)	High
Ability to use numerical data (count, measure, compute, etc.) in applied setting	High

Ability to discriminate between objects of similar:	
Size, shape, and color	Medium
Spatial Relationship	High
Ability to organize work process/follow defined procedures	High
Ability to use various measuring tools with consistency and accuracy	High
Ability to reference charts to determine course of action or equivalencies	High
Ability to follow sequence or to determine sequence of actions to a successful conclusion	High
Dexterity (fine finger)	High
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.	High
Service Orientation: Actively looking for ways to help people.	High
Social Perceptiveness: Being aware of others' reactions and understanding why they react as they do.	High

Reading Skills * See Work Keys Recommended Scores	
Grade level: Text Readability 12.0	
Math Skills * See Work Keys Recommended Scores	
Counting-Recording-Comparing-Calculating	Whole numbers
Calculating Fractions, ratios, formulas, square roots	Pre-Algebra/Geometry

Additional 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 Health Technology Field

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.
English Language	Knowledge of the structure and content of the English language including the meaning and spelling of words, rules of composition, and grammar.

Knowledge Required in Health Technology Field

Psychology	Knowledge of human behavior and performance; individual differences in ability, personality, and interests; learning and motivation; psychological research methods; and the assessment and treatment of behavioral and affective disorders.
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.

Additional Considerations

Solid writing and spelling skills	Moving around, stooping, and bending
Wear a uniform	Pass background screening (BCI)
Work as a team member	Visually astute and detail oriented
Enjoy helping others	STRONG memorization skills are needed
	Must be able to deal with bodily fluids, smells, and injuries

Health Technology Work Activities

Answer patient call signals, signal lights, bells, or intercom systems to determine patients' needs.	Review patients' dietary restrictions, food allergies, and preferences to ensure patient receives appropriate diet.
Turn or reposition bedridden patients.	Supply, collect, or empty bedpans.
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.	Record vital signs, such as temperature, blood pressure, pulse, or respiration rate, as directed by medical or nursing staff.
Measure and record food and liquid intake or urinary and fecal output, reporting changes to medical or nursing staff.	Gather information from caregivers, nurses, or physicians about patient condition, treatment plans, or appropriate activities.
Observe or examine patients to detect symptoms that may require medical attention, such as bruises, open wounds, or blood in urine.	Exercise patients who are comatose, paralyzed, or have restricted mobility.

Document or otherwise report observations of patient behavior, complaints, or physical symptoms to nurses.	Remind patients to take medications or nutritional supplements.
Feed patients or assist patients to eat or drink.	Prepare or serve food trays.
Communicate with patients to ascertain feelings or need for assistance or social and emotional support.	Lift or assist others to lift patients to move them on or off beds, examination tables, surgical tables, or stretchers.
Undress, wash, and dress patients who are unable to do so for themselves.	Clean and sanitize patient rooms, bathrooms, examination rooms, or other patient areas.
Wash, groom, shave, or drape patients to prepare them for surgery, treatment, or examination.	Record height or weight of patients.
Assist nurses or physicians in the operation of medical equipment or provision of patient care.	Apply clean dressings, slings, stockings, or support bandages, under direction of nurse or physician.
Collect specimens, such as urine, feces, or sputum.	Change bed linens or make bed.
Administer medications or treatments, such as catheterizations, suppositories, irrigations, enemas, massages, or douches, as directed by a physician or nurse	Transport patients to treatment units, testing units, operating rooms, or other areas, using wheelchairs, stretchers, or moveable beds.
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.	Operate equipment, such as electrocardiograms (EKGs), external defibrillators, or bag valve mask resuscitators, in advanced life support environments.
Administer first aid treatment or life support care to sick or injured persons.	Assess nature and extent of illness or injury to establish and prioritize medical procedures.
Perform emergency diagnostic and treatment procedures	Observe, record, and report to physician the patient's condition or injury, the treatment provided, and reactions to drugs or treatment.
Explain medical instructions to patients or family members.	Observe patients, charting and reporting changes in patients' conditions, such as adverse reactions to medication or treatment, and taking any necessary action.

Administer drugs, orally or by injection, or perform intravenous procedures under a physician's direction.	Coordinate work with other emergency medical team members or police or fire department personnel
Immobilize patient for placement on stretcher and ambulance transport, using backboard or other spinal immobilization device.	Communicate with dispatchers or treatment center personnel to provide information about situation, to arrange reception of victims, or to receive instructions for further treatment.
Maintain vehicles and medical and communication equipment and replenish first aid equipment and supplies.	Comfort and reassure patients.
Attend training classes to maintain certification licensure, keep abreast of new developments in the field, or maintain existing knowledge.	Coordinate with treatment center personnel to obtain patients' vital statistics and medical history, to determine the circumstances of the emergency, and to administer emergency treatment.
Provide basic patient care or treatments, such as taking temperatures or blood pressures, dressing wounds, treating bedsores, giving enemas or douches, rubbing with alcohol, massaging, or performing catheterizations.	Provide medical treatment or personal care to patients in private home settings, such as cooking, keeping rooms orderly, seeing that patients are comfortable and in good spirits, or instructing family members in simple nursing tasks.

Technology

Word processing software	Spreadsheet software
Medical software	Office suite software
Accounting software	

Available Certifications

American Heart Association Heart Saver	CPR/First Aid Certification (1 Point)
American Heart Association Basic Life Support for Healthcare Providers	Occupational Safety and Health Administration-Health Care Course (OSHA)-10 hour card (1 Point)
Ohio State Tested Nurse Aide (STNA) (12 Points)	Patient Care Assistant (PCA)
National Health Association (NHA)-Certified Phlebotomy Technician (12 Points)	National Health Association (NHA)-Clinical Medical Assistant (3 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 Great Oaks.
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<p>Career Technical Credit Transfer</p>	<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>Articulated Credit</p>	<p>Great Oaks has agreements with certain colleges; if you attend one of those colleges you can get credit toward a specific degree. Currently, Great Oaks has agreements in your program with:</p> <ul style="list-style-type: none"> • Cincinnati State Technical and Community College (Health Technologies, up to 14 credit hours possible) • Sinclair Community College (Life and Health Science, up to 5 credit hours possible) • Southern State Community College (Medical Assisting, up to 8 credit hours possible) • Chatfield College (Associate of Arts Degree, up to 2 credit hours possible)

*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 assistant