

Health Occupations Technology

Recommended High School Courses/Levels

- Reading level
 - 8-9 level - First year
 - 9-12 level - Second year
 - 9-12 level - Third year
- Math Courses
 - Algebra I & 2- First year
 - Algebra 2 – Second & Third year
- Sciences
 - Chemistry – Second year
 - Biology - Second & Third year

**relates to student's years in program at ICTC and expectations during that year*

**detailed list of math skills noted in academic skills*

Recommendations for Success

- Able to lift and assist individuals
- Fine and gross motor skills
- Retention of mechanical and structural detail
- Follow safety precautions
- Proper handling of hazardous materials/bodily fluids
- Communicate effectively
- Work independently
- Physical Stamina
- Good attendance/homework completion



**This document is strictly intended to provide an overview of the program and to be used as an informative tool. Essentials skills is a tool to assist districts, parents, and students in the decision making process for program decisions, transition planning, and possible placement here at ICTC.*

**This document is not intended to and should not be used as a screening tool for student placement.*



Nurse Aide Certification

Indiana County Career and Technology Center	<p style="text-align: center;">Program Area Health Occupations</p>
Objective of field	<p>Students enrolled in the Health Occupations program will learn medical terminology, basic anatomy and physiology, common disease conditions and related patient care, communications skills, CPR and first aid, and infection control techniques. Student will also learn the role and responsibilities of a pharmacy technician.</p>
Classroom Tests/Assessments	<p>*CEP students – 2 – 3 times per week First Year – 2-3 times per week Second Year – 1-2 time per week Third Year – 1-2 times per week *Career Exploration Program offered in 9th grade Classroom tests are given after each unit and are worth 40% of the total grade. For the Nurse Aide curriculum, tests must be passed at 80% achievement.</p>
Certification Tests	<ul style="list-style-type: none"> - Nurse Aide Competency Test - CPR and First Aid - Pharmacy Technician Exam after graduation from high school
Books	<ul style="list-style-type: none"> - <u>Nurse Assistant</u> (8th grade reading) - <u>Diversified Health Occupations</u> (11th grade reading) - <u>Body Structures</u> (11th grade reading) - <u>The Human Body in Health and Disease</u> (11th grade reading) - <u>Introduction to Health Careers</u> (11th grade reading) - <u>Pharmacy Technician</u> (12th grade reading)
Lecture Time	<p>First Year and CEP students – 30-60 minutes per day Second year – 30-60 minutes per day Third year – 30-60 minutes per day</p>
Co-op/Clinical	<ul style="list-style-type: none"> - Clinical is mandatory for all students - First and second year students attend clinical at one of the area Long Term Care Facilities - Third year students may attend an internship at Diamond Services Facility (if they maintain an 86% in the Pharmacy Technician curriculum), or they will attend clinical at the LTC with the rest of the students. - Co-Op is an option for qualified 3rd year students.
Homework	<p>If the student, at any grade level, is on task and present in class each day, homework is for increased knowledge and retention and preparation for tests. The majority of reading and work can be completed during class time.</p>
Task Lists	<p>CEP students – 30 per 9 weeks First Year– 180 for the year Second Year – 130 for the year Third Year – 150 for the year The number of competencies completed per marking period varies. All Nurse Aide students must complete their entire task list by the end of the first year with satisfactory marks.</p>
Planned Courses	<ul style="list-style-type: none"> - Introduction to Nursing Assistance (First year) - Legal and Ethical Standards of Health Professions (First and third year) - Infection Control (First year) - Communication Skills (First year) - Personal Care Procedures (First year) - Basing Nursing Procedures (First year) - Introduction to Allied Health Careers (First, second, and third year) - Safety and Emergency Care (First, second, and third year) - Medical Terminology (First, second, and third year) - Gerontology and Elder Care (First, second, and third year) - Anatomy and Physiology (Second and third year) - Medical Office Procedures (Third year) - Pharmacy Technician (Third year)
Prerequisites	<p>Must be able to obtain:</p> <ul style="list-style-type: none"> - A Criminal Record Clearance. (Process completed at ICTC and <i>paid for by student at a cost of \$10</i>) - Must have lived in Pennsylvania for prior two (2) years or will need an FBI background check prior to the start of school. (<i>At the student's expense</i>) - Must obtain a physical and a two step TB test prior to the start of school. (<i>At the student's expense</i>) - Physical stamina - Able to lift/transport individuals - Able to follow directions - Prioritize work - Sequence tasks
Academic Skills	<p><u>Reading Level 8- 12</u> *<u>Math Skills</u> - Fractions (add, subtract, multiply, divide)</p>

	<ul style="list-style-type: none"> - Decimals - Order of operations - Conversions - Data analysis - Measurement conversions - Proportions (calculating dosage) - Percentage problems - Lines of best fit - Application of dosage problems
Soft Skills	<ul style="list-style-type: none"> - Patience, - Pace work - Accuracy - Independent - Able to work and communicate with others
Computer Skills	Microsoft Word
Physical Requirements	<p>Must be able to perform patient care which requires:</p> <ul style="list-style-type: none"> - Lifting patients - Walking - Bending - Sequencing actions - Good body mechanics - The work done at clinical is strenuous and students should be able to lift at least 25 pounds
Vocational Testing Essential Aptitudes for lab recommended levels	<ul style="list-style-type: none"> - Structural mechanical visualization/reasoning - Discrimination by size/shape - Gross/fine motor skills - Manual dexterity - Retention of mechanical and structural detail
Job Duties	<p>Students enrolled in the Health Occupations program will learn:</p> <ul style="list-style-type: none"> - Medical terminology - Basic anatomy and physiology - Common disease conditions - Related patient care - Communications skills - CPR and first aid - Infection control techniques <p>Second year students have the opportunity to learn:</p> <ul style="list-style-type: none"> - More about anatomy and physiology and to be introduced to medical office procedures <p>Third year students may have the opportunity to participate in:</p> <ul style="list-style-type: none"> - The new (2006) pharmacy technician program - There are opportunities for student to investigate and explore many career options in the health care field both through shadow experiences and research projects.
Training	<p>Through scheduled clinical experience at local long-term care facilities, students apply learned health care theory to actual “hands-on” clinical practice. Students who satisfactorily achieve 112 theory hours and 38 clinical hours may be eligible to take the PA Nurse Aide (NA) competency exam. Passing the NA exam provides immediate opportunity for an entry level position in the healthcare field.</p> <p>Those third year students, who elect to participate in the pharmacy technician curriculum, may have the opportunity to spend their clinical time at a local pharmaceutical packaging facility. Upon high school graduation the student may be able to enter into this job market. Even without certification, the student who participates in this program may experience increased job opportunities and may be eligible to take the PTCB certification examination and enter into this job market. Even without certification, the student who participates in this program may experience increased job opportunities.</p>
Uniform Requirements	<ul style="list-style-type: none"> - Scrub top - Scrub pants of the program color - White socks - Mostly white tennis shoes with white shoe laces - A white long or short t-shirt may be worn under scrub top <p>ICTC will order the uniforms. Students may purchase their own shoes. Average cost for uniform scrubs is \$25.00 to \$30.00 to be paid to ICTC before the student will be given the uniform. Cost of shoes is subject to student choice at time of purchase.</p>
Articulation/Dual Enrollment/Agreements (refer to course catalog for more)	<p>Westmoreland County Community College Penn College Pennsylvania Highlands Community College: A total of 6 credits have been approved for Health Occupations students</p>
Employment/Job Outlook	<p>As the largest industry in 2004, health care provided 13.5 million jobs—13.1 million jobs for wage and salary workers and about 411,000 jobs for self-employed and unpaid family workers. Of the 13.1 million wages and salary jobs, 41 percent were in hospitals; another 22 percent were in nursing and residential care facilities; and 16</p>

	<p>percent were in offices of physicians. About 92 percent of wage and salary jobs were in private industry; the rest were in State and local government hospitals. The majority of jobs for self-employed and unpaid family workers in health care were in offices of physicians, dentists, and other health practitioners—about 282,000 out of the 411,000 total self-employed.</p> <p>Employment in health care will continue to grow for several reasons. The number of people in older age groups, with much greater than average health care needs, will grow faster than the total population between 2004 and 2014; as a result, the demand for health care will increase.</p> <p>Salary and wages vary depending on job description and demographic area. Hourly rates range from current minimum wage to 25-30 dollars an hour or more.</p> <p>For a detailed listing see the citation http://www.bls.gov/oco/cg/cgs035.htm</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> - Feeding Assistant - Nursing Assistant - Home Health Aide - Physician Assistant* - Registered Nurse* - Licensed Practical Nurse* - Surgical Technician* - Pharmacy Technician* - Physical or Occupational Therapist or Assistant* - Radiology Technician or Ultrasound Technician* - Medical Assistant* - Respiratory Therapist* - Dental Assistant* - Speech Therapist* - EMT or Para Medic* - Massage Therapist* - Medical Lab Technician <p><i>* Post-secondary education required</i></p>
<p>How to find out more?</p>	<p>http://www.ictc.ws/Secondary/at/p_home.htm US Department of Labor http://www.bls.gov/oco/cg/cgs035.htm http://www.natef.org/</p>

* NNAAP – National Nurse Aide Assessment Program