

WILSON'S – HEALTH OCCUPATIONS PATHWAY

Career Technical Education (CTE) Pathway: **3 credits**

Teacher CTE License: Medical / Health Sciences (CTE)

Pathway Description

Welcome to the Wilson High School's Medical and Health Sciences Pathway. This CTE pathway designed to meet the academic, technical, social, and experiential needs of students interested in post-secondary training for a career in the medical or health sciences field. Introducing students to career opportunities within the healthcare industry through a progression of knowledge, skills, college credit, and certifications. Jobs within the healthcare industry offer a steady increase in opportunities at or above living wage. The healthcare industry diagnoses, treats, and administers care around the clock, responding to the needs of millions of people.

What is a Medical / Health Sciences Pathway Completer?

A CTE Program Completer is a student who has achieved advanced instruction in a/the Health Career pathway. To achieve Medical /Health Science CTE Program Completer status the student must complete a total 3 credits, within the CTE Pathway. Those who graduate from the Medical / Health Sciences Academy at Wilson will receive a Portland Public Schools certificate of completion and graduation honors for their effort.

Some facts from the bureau of Labor Statistics:

- As one of the largest industries, healthcare provides 14.3 million living wage jobs
- Healthcare will generate 2.3 million new jobs by 2024, more than any other group of occupations
- Salary projected to increase 19% through 2025, compared to 11% for all industries combined
- Average earnings of nonsupervisory workers are higher than average for all

Certifications and Accreditations earned:

- 9+ college credits (PCC & OIT dual credit programs)
- American Red Cross Basic Life Support
- American Red Cross First Aid
- FEMA Basic Community Emergency Response Team
- American Red Cross Blood borne Pathogens
- Certifications: Certified Nursing Assistant, HIPAA, Wilderness First Responder Certification

PATHWAY COURSE TITLES & DESCRIPTIONS

INTRO TO HEALTH OCCUPATIONS: HO-1

Grade: 9, 10, 11 & 12

Credits: .5 (Students can back the HO1 with their CCE course)

- **2 Dual Credits (PCC) – CG130H**

Course Description: Do you like show such as *Gray's Anatomy*, *Scrubs* or the *Good Doc* and live vicariously through on-screen doctors, nurses and hospital techs... NOW is the perfect time to consider a career in medicine! This course provides an overview of the health care professions that include employment trends, continued education requirements, ethics, current health issues, and job/career exploration. Students will become knowledgeable in the prevention, interaction and care of patients. Students will also have the opportunity to practice skills related to the medical/health care field. Upon completion of this course, the students will earn 2 credits of college credit through Portland Community College and have an opportunity to obtain their **certifications in Blood Borne Pathogen and First Aid/CPR & AED** (both of which are industry standard certificates and meet requirements for post-secondary employment).



Introduction to Sports Medicine & Emergency

Management Skills: HO 2-3

Grades: 10, 11 & 12

Prerequisite: HO 1

Credits = 1

- **3 Dual Credits (PCC) – HE 112**

Course Description: The damage caused by natural, manmade, and technological disasters (earthquakes, hurricanes, tornadoes, flooding, hazardous material spill, terrorism) can affect all elements of society and government.

Effective management of the situation requires people who have the training to manage resources, make decisions, and assign tasks. This is called Incident Command. Upon completion of this course, students will be able to respond to these types of catastrophic events as a member of the Multnomah County Teen Community Emergency Response Team and will be trained to manage and coordinate disasters. This is the most advanced level of our urban emergency response program which contains multiple certifications through Multnomah County, Portland Public Schools, and Federal Emergency Management Agency.

In addition, this one of a kind course is designed for students to gain a basic foundation in sports related injuries and to explore and observe different sports medicine related fields. Students will learn to properly evaluate, treat, tape and rehabilitate particular injuries in sports. Other topics include sports psychology, massage therapy, and rehabilitation and therapeutic techniques. Related careers include: athletic trainers, physical therapists, personal trainers, coaches, massage therapists and sports psychology.



ANATOMY & PHYSIOLOGY

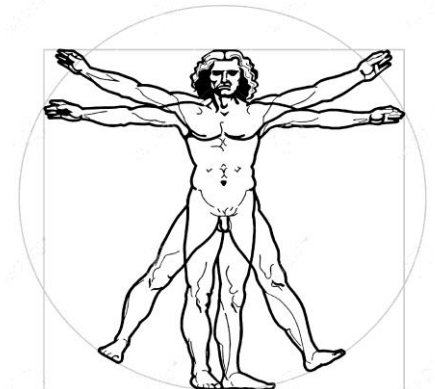
Grades: 11 – 12

Prerequisites: Health Occupations 1

Credits = 1

- **4 Dual Credits (Oregon Institute of Technology)**

Course Descriptions: Believe it or not!... The average human blinks over 6,000,000 times each year, sneezes greater than 100 miles per hour, has bones stronger than concrete, becomes paralyzed while sleeping and whose strongest muscle in the body turns out to be the tongue! This class will take you on a tour through the incredible human body and how it works. Along the way we will explore the world of medicine. It is a rigorous course intended for students who enjoy science and will be valuable for those interested in a variety of medical or health science related careers. A major portion of the course will be devoted to laboratory work.



- Senior Capstone Course on Following Page -

*PRE-MED & ADVANCED CERTIFICATIONS: HO 4

(New for fall 2021)

Grades: 12th

Prerequisites: (Instructor Approval Only)

Credits = 1 (+hours earned applied to Wilson's Honors Program)



Course Description:

This course is designed for students who have completed the other courses listed in the Health Occupations Pathway and who are truly interested in pursuing a career in medicine post high school. It is a three tiered approach to provide incredibly valuable experiences, and certifications in the medical field. It will also look great on resumes and college applications and gives you the volunteer hours needed to get into most post-secondary medical programs.

ATHLETIC TRAINING PROGRAM (fall term)

Are you interested in Athletic Training or Physical Therapy as a career? As Student Athletic Trainers, you will have the opportunity to work with over 15 sports and hundreds of athletes in the training room, practice, and game settings. Your participation in the WHS Student Athletic Trainer Program will allow you to meet and get to know other students, athletes, coaches, administrators, and possibly some area physicians. The program is also a great way to gain valuable and practical athletic training and medical experience, which will be helpful if you are interested in the Athletic Training or Medical field. The coaches and athletes depend on the Athletic Training Staff and your opportunities will include training room duties, practices, game set-up/ take-down, and attendance during games (home and away).

CERTIFIED NURSING ASSISTANT (winter term)

Are you looking to springboard into a career as a registered nurse, licensed practical nurse, or physician's assistant? Do you want a job that will involve caring for and listening to others, often in vulnerable stages of life? Our CNA program will be taught by credentialed nurse instructors with professional experience, our Nurse Assistant Training program delivers an engaging curriculum that meets state and federal education regulations. Theory and skills practice, including a clinical experience at a skilled nursing facility, is conducted under nursing supervision. Learn the skills focused on critical thinking, decision-making and team concepts while incorporating elements of care and communication/interpersonal skills. There is a 16 hour "clinical" component to this section of our Pre-Med class.

WILDERNESS MEDICINE / FIRST RESPONDER (spring term)

"Breaking news! A father and three children who vanished while on a Christmas tree-cutting trip in the mountains were found alive! After three freezing nights in the wild, the four were rescued from a snowy ravine by a Search and Rescue Team, just as another storm was bearing down. YOU could be one of the members of that rescue team! This class will teach you the necessary skills to become a certified **Wilderness First Responder**.

Course Title	Grade Level	CTE Pathway	College Credit	Marketable Skills & Certifications
INTRO TO MEDICINE / HEALTH CARE	9-12	Pre-Requisite course	(2) - CG 130H	AMRC Basic Life Support, AMRC First Aid, Blood Borne Pathogen Certification
SPORTS MEDICINE & EMERGENCY MANAGEMENT CERT	10, 11 & 12	Required	(3) - HE112	Introduces first aid and emergency knowledge and skills in the work, community, and home environment. PBEM Teen CERT
ANATOMY & PHYSIOLOGY	11, 12	Required	(4) - OIT	Lab Science. Incredible information that is applicable to any/all health science field.
PRE MED	12	Capstone	Advanced Certifications	Advanced medical certifications in Nursing, Athletic Training and Wilderness First Responder.