



The Health Science & Pre-Nursing Academy

2024-2025 School Year

Fall & Spring- Independence Regional Location

The Health Science & Pre-Nursing Academy is an opportunity for high school juniors and seniors to earn thirteen college credits toward seven different associate degree programs at Western Technical College: Medical Lab Technician, Nursing, Occupational Therapy Assistant, Paramedic Technician, Physical Therapist Assistant, Respiratory Therapy, or Surgical Technology. This academy helps shorten the time between high school and a career in the medical field. This year’s academy will be held in two locations: The Independence Regional Learning Center (RLC) and the Mauston RLC.

This academy is ideal for focused, goal-driven juniors and seniors who are certain they want to explore a career in the health science field or become a nurse. Upon completion of the Academy, students can enroll at Western or another technical college and finish up an associate degree. The academy cuts nearly a semester of time off the degree completion.

Courses Offered

Independence Regional Location

Term	Course	Credits
Fall Term	General Anatomy and Physiology	4
Fall Term	Developmental Psychology	3
Spring Term	Advanced Anatomy and Physiology	4
Spring Term	Certified Nursing Assistant	2
	Total Credits	13

Schedule: Fall Term (September 3rd – December 13th)

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	Travel Time	Travel Time*	Travel Time	Travel Time	Travel Time
8:30	Developmental Psychology	General Anatomy and Physiology (LAB)	Developmental Psychology	General Anatomy and Physiology (LECTURE)	Work Time
9:00					
9:30					
10:00					
10:30	Flexible Time		Flexible Time	Flexible Time	
11:00	Travel Time	Travel Time*	Travel Time	Travel Time	Travel Time

Schedule: Spring Term (January 6th – April 18th)*

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	Travel Time	Travel Time*	Travel Time	Travel Time	Travel Time
8:30	Certified Nursing Assistant**	Advanced Anatomy and Physiology (LAB)	Work Time	Advanced Anatomy and Physiology (LECTURE)	Certified Nursing Assistant
9:00					
9:30					
10:00					
10:30			Flexible Time	Flexible Time	
11:00	Travel Time	Travel Time*	Travel Time	Travel Time	Travel Time
6:00 pm			Certified		
6:30			Nursing		
7:00			Assistant		
7:30					
8:00					
8:30					
9:00					
9:30					
10:00					

*Schedule subject to change

**Certified Nursing Assistant will run between 8 and 9 weeks during the Spring Term

For more information or to register for the academy, please contact your HS Counselor, your Western Technical College HS Admissions Coach, the Independence Regional Location, or the K12 Partnerships Department at Western Technical College.

Course Descriptions

Developmental Psychology: Developmental Psychology is the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others.

General Anatomy and Physiology: Examines basic concepts of human anatomy and physiology as they relate to health sciences. Using a body systems approach, the course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization of the entire human body. It is intended to prepare health care professionals who need to apply basic concepts of whole body anatomy and physiology to informed decision-making and professional communication with colleagues and patients. (This course also provides the foundation, and is prerequisite to, Advanced Anatomy and Physiology.)

Advanced Anatomy and Physiology: Advanced Anatomy and Physiology is the second semester in a two-semester sequence in which normal human anatomy and physiology are studied using a body systems approach with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. Instructional delivery within a classroom and laboratory setting. Experimentation within a science lab will include analysis of cellular metabolism, the individual components of body systems such as the nervous, neuro-muscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance and blood. Integration of genetics to human reproduction and development are also included in this course.

Certified Nursing Assistant: Prepares students for employment as nursing assistants. The program also prepares students for other health-related programs. Students will be required to demonstrate the following skills under the supervision of a licensed nurse: communication, basic nursing assistant and personal care skills, attention to client's rights, and care of clients with dementia. The program is recognized by the Wisconsin Department of Health Services as a nurse-aide training program. Upon successful completion of the program, the student is eligible to take the Wisconsin Nursing Assistant competency evaluation for inclusion on the Wisconsin Nurse Aide Registry and employment in nursing homes, hospitals, home health agencies, hospices, CBRF's, assisted living centers and homes for the developmentally disabled.