



Academy Overview: Health Sciences and Human Services



The Academy of Health Sciences and Human Services creates an environment designed to allow students the opportunity to explore careers in medicine, dentistry, veterinary medicine, nursing, pharmacy, laboratory sciences, radiology, respiratory therapy, EKG, EMT, EEG, physical therapy, sports medicine, dietitian, food and nutrition, wellness, sports medicine, education, pastoral care, personal care, interpreting, counseling and social work. Challenging course work coupled with opportunities for job shadowing, internships, and volunteer work experiences will better

prepare these students as they continue into college or directly into a career field. Specialized certification is available in several of the pathways for those students that wish to go beyond the minimum requirements. Health Science themes are integrated into the traditional curriculum with an emphasis on hands-on learning and real-life experiences. Hundreds of jobs fall under the heading of Health Science and Human Services. Educational requirements range from high school diploma, 2-year college, 4-year college and post-secondary degrees.

Career Opportunities

High School Diploma with Career Tech Training	High School + 2 Year Degree or CT Training	High School + 4 Year Degree	4 Year Degree + Advanced Degree
Nursing Assistant	EMT	Medical Technologist	MD
CNA	LPN	Physical Therapist	Dentist
Home Health Aide	Dental Assistant	Occupational Therapist	Oral Surgeon
Veterinary Assistant	Dental Hygienist	Speech Therapist	Orthodontist
Pathology Assistant	Dental Lab Tech	Cytologist	Veterinarian
Phlebotomist	Medical Assistant	Dietician	Researcher PhD
Admitting Clerk	Physical Therapy Assistant	RN	Physician Assistant
Billing Clerk	Pharmacy Tech	Respiratory Therapist	DO
Transcriptionist	Paramedic	Radiologist Tech	CRNA
Central Supply Tech	Surgical Tech	Public Health Educator	Geneticist
Environmental Services	Lab Tech	Healthcare Administrator	Nurse Practitioner
Food Services	ECG/EKG Tech	Health Information Services Manager	Pharmacist
Transport Tech	Mammogram Tech	Epidemiologist	Chiropractor
Manicurist	Radiology Tech	Microbiologist	Audiologist
Cosmetologist	Medical Coder	Sports Trainer	Exercise Physiologist
	Biomedical Tech	Minister	Psychologist
	Personal Trainer	Social Worker	
	Massage Therapist	Interpreter	

Pathway Selections

Health Science Pathway

Completer and Advanced Completer

Health Science Completer

Core Courses + Choose 4 Elective Courses from the Interest Area

Health Science Advanced Completer

Core Courses + Choose 5 Elective Courses from the Interest Area

Human Services Pathway

Completer and Advanced Completer

Human Services Completer

Core Courses + Choose 3 Elective Courses from the Interest Area

Human Services Advanced Completer

Core Courses + Choose 4 Elective Courses from the Interest Area

Course Offerings by Pathway

Education Level to be Achieved: High School + 2 Year Training

Health Science

Foundations of Health Science
Therapeutic Services
Speech
Debate
Creative Writing
Algebra with Finance
Algebraic Connections
Psychology
Environmental Science
Physics and/or Forensics
Advanced BTA
Foreign Language 1 and 2

Human Services

Speech and/or Debate and/or Creative Writing
Food & Nutrition
Nutrition and Diet
Analytical Math
Algebraic Connections
Algebra with Finance
Psychology
Marine Biology
Chemistry
Forensics and/or Environmental Science
Foreign Language 1 and 2

Education Level to be Achieved: 4-Year Degree and above

Health Science

Foundations of Health Science
Therapeutic Services
Speech
Debate
Creative Writing
AP Statistics and/or AP Calculus
Discrete Math and/or Precalculus
AP Psychology
Anatomy and Physiology
Chemistry
Physics
AP Computer Science
Advanced BTA
Foreign Language 1 and 2

Human Services

Speech and/or Debate and/or Creative Writing
Food and Nutrition
Nutrition and Diet
Analytical Math
Discrete Math
Precalculus
AP Statistics
Psychology
Anatomy and Physiology
Marine Biology and/or Chemistry
Forensics and/or Environmental Science
Foreign Language 1 and 2
Advanced BTA
Law and the Society

Additional Components

Member of HOSA **Suggested*
Job Shadowing or Internship
Volunteer Hours