

HORACE HIGH SCHOOL HEALTH SCIENCE PATHWAY

Our MISSION

Educating today's learners for tomorrow's world.



Our VISION

West Fargo Public Schools prepares all learners with the knowledge and skills to be compassionate, contributing citizens in a rapidly changing world. We are dedicated to continuous improvement, engaging every student to become problem solvers and lifelong learners. Excellence is achieved through practices based in research, and by aligning all resources to support learning.

HIGH-WAGE, HIGH-SKILL, AND HIGH-DEMAND CAREERS

Biotechnology Research & Development	Research Scientist/Assistant • Microbiologist • Biostatistician • Cell Biologist • Biomedical Chemist • Geneticist • Genetics Lab Assistant • Quality Assurance Technician
Diagnostic Services	Clinical Lab Technician • Phlebotomist • Geneticist • Nutritionist • Magnetic Resonance (MR) Technologist • Radiologist • Pathologist • Exercise Physiologist
Health Informatics	Health Information Coder • Admitting Clerk • Transcriptionist • Medical Librarian • Public Health Educator • Ethicist • Medical Assistant • Epidemiologist
Support Services	Dietary Aide • Hospital Maintenance Engineer • Environmental Services Manager • Industrial Hygienist • Biomedical Engineer • Transport Technician
Therapeutic Services	Dental Assistant/Hygienist • Occupational Therapist • EMT/Paramedic • Physician • Nurse • Veterinarian • Social Worker • Massage Therapist • Physical Therapist

PROGRAM OF STUDY: HEALTH SCIENCES

SUBJECT	9th Grade	10th Grade	11th Grade	12th Grade
Choice Ready Planning	Advisory	Advisory	Advisory	Advisory
Language Arts	English Language Arts 1	English Language Arts 2	English Language Arts 3	English Language Arts 4
Math	Algebra I	Geometry	Algebra II	Precalculus and Trigonometry*
Science	Biology	Physical Science	Chemistry	Anatomy/Physiology*
Social Studies	World Geography	Western Civilization	United States History	Government/Economics
Pathway Courses	Health Science I	Health Science II	CNA/Prevention and Care of Athletic Injuries	Med Terms/Pathway Elective
PE/Health 9 ELECTIVES 10-12	Health Physical Education	PE/Elective	PE/Elective	Electives
Recommended Electives: 2 per year	Pathway Electives: Medical Terminology (0.5), Health Science 1(1.0), Health Science 2 (1.0), CNA (0.5), EMS, Pharm Tech, Prevention and Care (0.5), D/C Health (0.5), Anatomy/Physiology (1.0), Intro to Engineering (1.0) Global Electives: Foreign Language (1.0), Music (1.0), Art (0.5), Public Speaking (0.5), Physical Education (0.5) or any other pathway elective in another Academy that has seats available.			

Student Leadership and Career and Technical Student Organization(s) – HOSA

HOSA encourages students to join and become actively involved in leadership and demonstrate skills through local, state, and national competitions. HOSA leadership development, motivation, and recognition exclusively for secondary, postsecondary, adult, and collegiate students enrolled in health science education and biomedical science programs or have interests in pursuing careers in health professions.

College & Career Experiences – Accessible to ALL Academy Program of Study Students

Community Speakers, Career Interest Inventory, College Application, College & Career Fair, College & Career Research, College and Career Speakers, College Presentations, Job Shadow, Mock Interviews, Personal Statements, Professional Interviews, Scholarship & Financial Aid, Senior Capstone, Ten Year Plan

Aligned Early Postsecondary Courses – Accessible to ALL Academy Program of Study Students

AP Seminar, AP Research, AP Lang & Comp, AP Lit & Comp, Fundamentals of Public Speaking, AP Biology, AP Chemistry, AP Environmental Science, AP Physics, Anatomy & Physiology, Microbiology, AP Calculus, College Algebra, Statistics, AP Human Geography, AP European History, AP U.S. History, AP U.S. Gov, AP Microeconomics, Psychology, Sociology, Medical Terminology

Professional Certification(s)

Certified Nursing Assistant, TEAS Exam, First Aid/CPR

Health Science Coordinated Plan of Study – ND Scholarship

Therapeutic Services		Biotechnology Research	
Course Name	Cr	Course Name	Cr
Certified Nurse Assistant - 07031	.5	PLTW Principles of Biomedical Science - 10730	1
Health Science I - 07033	1	PLTW Human Body Systems (22-23) - 10732	1
Health Science II - 07035	1	PLTW Medical Interventions (23-24) - 10734	1
Prevention and Care of Athletic Injuries (<i>Dual Credit option</i>) -07034	.5		
Medical Terminology Online (<i>Dual Credit option</i>) - 07036	.5		
Health Supervised Occupational Experience			½ to 4

Is This Pathway for You?

- Do you get satisfaction from helping people, animals, and/or the environment?
- Do you enjoy dealing with a problem that isn't easily solved or doesn't have the correct answer?
- Are you comfortable with situations that are unpredictable and rapidly changing?
- Are you interested in math and science?
- Do you like listening and working with others who have differing viewpoints?
- Do you enjoy puzzles, exploring and solving problems?
- Can you respond quickly and calmly in unexpected situations?
- Do you like to volunteer and do service work that focuses on helping other people or the environment?

North Dakota Health Science Related Post-Secondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
Biotechnology Research & Development	<input type="checkbox"/> Biotechnology transfer (NDSCS) <input type="checkbox"/> Pharmacy Technician (NDSCS, RC, TMCC)	<input type="checkbox"/> Bioinformatics (MiSU) <input type="checkbox"/> Biotechnology (NDSU) <input type="checkbox"/> Pharmaceutical Sciences (NDSU)	<input type="checkbox"/> Biomedical Sciences (UND) <input type="checkbox"/> Genomics and Bioinformatics (NDSU) <input type="checkbox"/> Pharmaceutical Sciences/Pharmacy (NDSU)
Diagnostic Services	<input type="checkbox"/> Clinical Laboratory Science transfer (NDSCS) <input type="checkbox"/> Dialysis Technician (NDSCS) <input type="checkbox"/> EMT – Paramedic Technician (BSC, DCB, NDSCS) <input type="checkbox"/> Medical Laboratory Technician (BSC, TMCC) <input type="checkbox"/> Medical Laboratory transfer (BSC) <input type="checkbox"/> Phlebotomy Technician (BSC, TMCC)	<input type="checkbox"/> Medical Lab Science (MaSU, MiSU, NDSU, UJ, UM, UND, VCSU) <input type="checkbox"/> Communication Sciences and Disorders (UM, UND) <input type="checkbox"/> Radiologic Technology (MiSU, NDSU, UJ, UM)	<input type="checkbox"/> Medical Lab Science (UND)
Health Informatics	<input type="checkbox"/> Community Health Worker (SBC) <input type="checkbox"/> Health Information Technician/Management (DCB, NDSCS) <input type="checkbox"/> Medical Administrative Asst. (BJCC, DCB, RC) <input type="checkbox"/> Medical Coding/Billing (DCB, NDSCS, RC, UTTC, WSC)	<input type="checkbox"/> Community Nutrition (UND) <input type="checkbox"/> Forensic Science (UND) <input type="checkbox"/> Healthcare Management (RC) <input type="checkbox"/> Health Administration (UM) <input type="checkbox"/> Health Communication (NDSU)	<input type="checkbox"/> Health Care Administration (UM) <input type="checkbox"/> Nurse Administrator (UM) <input type="checkbox"/> Public Health (NDSU, UND)
Support Services	<input type="checkbox"/> Caregiver Services (DCB) <input type="checkbox"/> Environmental Public Health (TMCC) <input type="checkbox"/> Fitness Trainer Technician (LRSC) <input type="checkbox"/> Social Work transfer (BSC, CCCC, NDSCS, TMCC, WSC)	<input type="checkbox"/> Corporate Fitness/Wellness (MaSU, MiSU) <input type="checkbox"/> Exercise Science (DSU, NDSU, UJ, UM) <input type="checkbox"/> Kinesiology (UND) <input type="checkbox"/> Social Work (MiSU, UM, UND)	<input type="checkbox"/> Clinical Exercise Physiology (UM) <input type="checkbox"/> Exercise Science and Nutrition (NDSU) <input type="checkbox"/> Exercise Physiology/Kinesiology (UM, UND) <input type="checkbox"/> Social Work (UND)
Therapeutic Services	<input type="checkbox"/> Addictions Studies Transfer (NHSC) <input type="checkbox"/> Dental Assisting/Hygiene (NDSCS) <input type="checkbox"/> Health/Medical Assistant (CCCC, DCB) <input type="checkbox"/> Massage Therapy (JSHDF, JSHDGF, TSPA, WSC) <input type="checkbox"/> Mental Health/Addictions Technician (WSC) <input type="checkbox"/> Nursing transfer (BSC, CCCC, DCB, LRSC, NDSCS, SBC, WSC) <input type="checkbox"/> Occupational Therapy Assistant (NDSCS) <input type="checkbox"/> Practical Nursing (BSC, BJCC, DCB, DSU, NDSCS, NHSC, SBC, TMCC, UTTC, WSC) <input type="checkbox"/> Pre-Professional transfer (BSC, DCB, MaSU, NDSCS, TMCC, WSC) <input type="checkbox"/> Surgical Technology (BSC)	<input type="checkbox"/> Addiction Studies (MiSU) <input type="checkbox"/> Athletic Training (MiSU, UM, UND) <input type="checkbox"/> Dietetics (NDSU, UND) <input type="checkbox"/> Music Therapy (UND) <input type="checkbox"/> Nursing (DSU, MaSU, MiSU, NDSU, RC, UJ, UM, UND) <input type="checkbox"/> Pre-Professional Programs (MaSU, MiSU, UM) <input type="checkbox"/> Rehabilitation and Human Services (UND) <input type="checkbox"/> Respiratory Care/Therapy (NDSU, UM)	<input type="checkbox"/> Advanced Nursing Practice (NDSU) <input type="checkbox"/> Advanced Athletic Training (NDSU) <input type="checkbox"/> Dietetics (NDSU) <input type="checkbox"/> Health, Nutrition and Exercise Science (NDSU) <input type="checkbox"/> Gerontology (NDSU) <input type="checkbox"/> Nursing (NDSU, UM, UND) <input type="checkbox"/> Nutrition (UND) <input type="checkbox"/> Occupational Therapy (UM, UND) <input type="checkbox"/> Physical Therapy (UJ, UM, UND) <input type="checkbox"/> Physician Assistant (UND) <input type="checkbox"/> Psychological Clinical Science (NDSU) <input type="checkbox"/> Respiratory Therapy (UM)