

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
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 • Pharmacist



Health Science – Coordinated Plan of Study	
Therapeutic Services	
Course Name	Cr
Certified Nurse Assistant	.5
Health Science I (designated sites)	1
Health Science II (designated sites)	1
Prevention and Care of Athletic Injuries	.5
Medical Terminology Online – Dual Credit	.5
Students must earn at least 2 credits in a CTE pathway and 2 additional CTE credits to qualify for the CTE Scholarship	

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?

Other Electives to Consider for Health Science Pathway Preparation
CTE Electives Computer Applications I Child Development Food Trends Intro to Engineering Design, Principles of Engineering Marketing Management/Entrepreneurship
Academic Electives Communications Foreign Language JET Advanced Math, Pre-Calculus, AP Calculus Anatomy/Physiology AP Biology, AP Chemistry, AP Physics I Psychology I, II Public Speaking Sociology STEM



North Dakota Health Science Related Postsecondary 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)



HOSA is an international student organization recognized by the Health Science Education (HSE) Division of ACTE. HOSA's goal is to encourage all health science instructors and students to join and be actively involved in leadership and demonstrate these skills through local, state and national competitions. HOSA provides a unique program of 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. Contact your HOSA Advisor to learn more to become a member.