



Biomedical Sciences

Students who complete 2 credits in this pathway will meet their state graduation pathway through the CTE Sequence option.

The **Biomedical Sciences Program of Study** will introduce students to a variety of options in the medical field. Students will conduct hands-on projects and activities that prepare them for medical and scientific careers. This program will provide students the opportunity to explore lab skills, DNA fingerprinting techniques, medical data analysis, and disease and its prevention.



Is this program a fit for you?

- Enjoy working with people and being part of a team
- Have an eye for detail and precision in your work
- Are curious and enjoy solving problems
- Want to work in the healthcare industry

High School Opportunities

After High School Options

Careers

Courses

- Biomedical Biology
- Health Care Fundamentals
- Human Physiology
- Microbiology/Immunology
- Foundations in Chemistry
- Forensics or Genetics

Additional Possibilities

- HOSA
- Lead - Lindsey Hildorfer

Career Connected Learning

- Job Shadows/Internship
- Career Exploration Field Trips

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Certificates

- Ophthalmic Technician
- Hearing Instrument Specialist
- Pharmacy Tech

2 year option

- Medical/Clinical Assistant
- Clinical/Medical Lab Technician
- Medical Office Assistant/Specialist
- Pre-Pharmacy Studies

4 year option

- Criminal Justice/Police Science
- Forensic Science and Technology
- Criminal Science
- Biological Sciences
- Biochemistry

Example of Careers and Salary

- Pharmacy Tech \$ 30,920
- Dental and Ophthalmology Lab Tech \$ 34,630
- Biological Tech \$ 42,520
- Medical and Clinical Lab Tech \$ 50,930
- Forensic Research/Scientist, Pathologist \$ 56,750
- Stem Cell Research \$ 80,530
- Biomedical Engineer, Geneticist \$ 85,620

*Data Source Schoolinks

Pathway Courses

Program	High School Courses	Grades	Equivalencies	CIHS	Dual Credit	Industry Recognized Certificate (IRC)
Biomedical Biology		9, 10, 11, 12	Life Science			
Health Care Fundamentals		10, 11, 12	Health/Science		x	Basic Life Support (BLS) Certification
Human Physiology			Life Science			YouScience Medical Anatomy & Physiology
Microbiology & Immunology		11, 12	Science			YouScience - BioTech
Foundations in Chemistry			Physical Science			
Forensics or Genetics		11, 12	Science/Life Science (Genetics)			YouScience - Medical Forensics YouScience - Med Lab Tech