



Example Aligned Occupations

Medical Equipment Preparers

Forensic Science Technicians

Median Wage: \$56,971

Annual Openings: 249

10-Year Growth: 22%

Biological Technicians

Median Wage: \$45,787

Annual Openings: 879

10-Year Growth: 14%



Health Science Career Cluster

Statewide Program of Study **Biomedical Science**

Course Information

Level 1

Course	Prerequisites Corequisites	Career Clusters
Principles of Health Science* 13020200 (1 credit)	Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None	▲
Principles of Bioscience 13036300 (1 credit)	Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None	▲
Principles of Biomedical Science (PLTW) N1302092 (1 credit)	Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None	▲

Level 2

Course	Prerequisites Corequisites	Career Clusters
Medical Terminology* 13020300 (1 credit)	Prerequisites:None Corequisites:None Recommended Prerequisite:None Recommended Corequisite:None	▲
Biotechnology I 13036400 (1 credit)	Prerequisites:One credit in Biology Corequisites:None Recommended Prerequisite:Principles	




Health Science Career Cluster

Statewide Program of Study **Biomedical Science**

Course Information

Level 3

Course	Prerequisites Corequisites	Career Clusters
Biotechnology II 13035450 (1 credit)	Prerequisites: One credit in Chemistry and Biotechnology I Corequisites: None Recommended Prerequisite: None Recommended Corequisite: None	▲
Clinical Ethics* N1302121 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisite: Principles of Nursing Science and Science of Nursing Recommended Corequisite: None	▲
Quality Assurance for Biosciences N1303771 (1 credit)	Prerequisites: Biotechnology I Corequisites: Biotechnology I Recommended Prerequisite: None Recommended Corequisite: None	▲
Anatomy and Physiology* 13020600 (1 credit)	Prerequisites: One credit in Biology and one credit in Chemistry, Integrated Physics and Chemistry, or Physics Corequisites: None Recommended Prerequisite: A course from the Health Science career cluster Recommended Corequisite: None	▲ 
Medical Interventions (PLTW) N1302094 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisite: At least one credit in a Level 2 or higher course in the Biomedical Science program of study Recommended Corequisite: None	▲

Level 4













Course	Prerequisites Corequisites	Career Clusters
Pathophysiology* 13020800 (1 credit)	Prerequisites: One credit in Biology, one credit in Chemistry, and at least one credit in a Level 2 or higher course from the Health Science career cluster Corequisites: None Recommended Prerequisite: Anatomy and Physiology Recommended Corequisite: None	▲

Health Science Career Cluster

Statewide Program of Study: Biomedical Science

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Biomedical Innovation (PLTW) N1302095 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisite: At least one credit in a Level 2 or higher course in the Biomedical Science program of study Recommended Corequisites: None	
Career and Technical Education Project-Based Capstone* First Time Taken: 12701101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisite: None Recommended Corequisites: None	    
Practicum in Health Science* First Time Taken: 13020500 (2 credits) Second Time Taken: 13020510 (2 credits)	Prerequisites: Health Science Theory and Biology Corequisites: None Recommended Prerequisite: None Recommended Corequisites: None	
Practicum in Health Science + Extended Practicum in Health Science* First Time Taken: 13020505 (3 credits) Second Time Taken: 13020515 (3 credits)	Prerequisites: Health Science Theory and Biology Corequisites: None Recommended Prerequisite: None Recommended Corequisites: None	
Practicum in Science, Technology, Engineering, and Mathematics First Time Taken: 13037400 (2 credits) Second Time Taken: 13037410 (2 credits)	Prerequisites: Algebra I and Geometry Corequisites: None Recommended Prerequisite: Two STEM career cluster credits Recommended Corequisites: None	   
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* Indicates course is included in more than one program of study.

For additional information on the Health Science career cluster, contact cte@tea.texas.gov or visit <https://tea.texas.gov/cte>



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Health Science Career Cluster

Statewide Program of Study **Biomedical Science**

Course Information

Level 4

Course	Prerequisites Corequisites	Career Clusters
Practicum in Science, Technology, Engineering, and Mathematics + Extended Practicum in		