Middle School Health Technologies Courses

Subject Code	Course Title	Curriculum Code/Hours		
		VT	V3	VM
Exercise Science Pathway (J6)				
072000	Exercise Science and Athletic Training	120-280	60	30-120
072001	Health Science and Technology	120-280	60	30-60
Allied Health and Nursing Pathway (JM)				
072035	Principles of Allied Health	120-280	60	30-120
Medical Bioscience Pathway (J0)				
072001	Health Science and Technology	120-280	60	30-60
072110	Principles and Practices of Biomedical Technology	120-280	60	30-120
Health Information Management (J7)				
072135	Health Information Technology	120-280	60	30-120

Curriculum Code	Grades	CT Funded	Assessment	Counts toward Concentrator
VT	7-12	Yes	Required	Yes
V3	7-12	Yes	Not required	No
VM	7-9	Yes	Optional	No

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Exercise and Athletic Training

Subject Code: 072000

In this, first course students will apply procedures and techniques used in athletic training and in the care and rehabilitation of athletic injuries and therapeutic exercise. Topics include injury prevention, conditioning, and wound care techniques of the musculoskeletal system. Students will learn techniques in the analysis of mechanical factors related to human movement. In addition, current trends, technology, legal considerations, and the role of exercise science in relationship to other health fields will be emphasized.

Health Science and Technology

Subject Code: 072001

This first course in the career field provides students an overview of the opportunities available in the healthcare industry. Students will learn fundamental skills in effective and safe patient care that can be applied across a
person's lifespan. They will also be introduced to exercise science and sports medicine, the field of biomedical research and the importance of managing health information.

Principles of Allied Health

Subject Code: 072035

In this, first course students will apply knowledge and clinical skills necessary to assess, plan, provide, and evaluate care to patients in varied healthcare settings. Students will apply first aid principles and techniques needed for response to choking, cardiopulmonary resuscitation, and other life-threatening emergencies. Emphasis will be placed on regulatory compliance, patient safety, pathophysiology, and medical interventions. Additionally, this course introduces psychomotor skills needed to assist individuals in meeting basic human needs.

Health Science and Technology

Subject Code: 072001

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person's lifespan. They will also be introduced to exercise science and sports medicine, the field of biomedical research and the importance of managing health information.

Principles and Practices of Biomedical Technologies

Subject Code: 072110

In this first course, students will use concepts, procedures, and equipment common to a professional medical laboratory. Students conduct problem-based studies, apply scientific methodology and use descriptive statistics to communicate and support predictions and conclusions. Students will follow procedures and protocols for handling, transporting, storing, and preparing specimens. Further, students will sample, monitor, and record environmental conditions of the facilities. Emphasis is given to demonstrating professional and ethical behavior associated with the medical field.

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Health Information Technology

Subject Code: 072135

This course introduces electronic health information systems, designs, implementation, and application. Students gain knowledge and skills in techniques for managing and maintaining electronic health data and compilation, analysis, of healthcare statistics, research protocols and techniques. Topics include imaging technology, information security and integrity, data dictionaries, basic statistical principles, databases, registries, descriptive statistics, research protocol monitoring, including data collection and analysis, data sources/sets, archival systems, and quality and integrity of healthcare data.