



## Why IT – Health Sciences Students

By taking an IT course, high school students in health sciences can acquire valuable skills and knowledge that will prepare them for future careers in healthcare, as well as enable them to contribute to advancements in patient care and healthcare delivery.

### 1 | Electronic Health Records (EHRs)

Learn how to navigate and use electronic health record systems, which are becoming increasingly prevalent in healthcare settings.

### 2 | Digital Literacy

Develop essential digital literacy skills necessary for accessing and utilizing online resources, communicating electronically, and staying informed in a technology-driven world.

### 3 | Health Informatics

Learn about the intersection of healthcare and information technology, including how data is collected, analyzed, and used to improve patient outcomes and healthcare delivery.

### 4 | Clinical Decision Support Systems

Understand how IT tools can assist healthcare providers in making informed clinical decisions by providing evidence-based information and alerts.

### 5 | Health Education Technology

Learn how IT can be used to create interactive educational materials, simulations, and virtual reality experiences to enhance health education and patient engagement.

### 6 | Data Privacy and Security

Gain knowledge of healthcare data privacy laws and best practices for safeguarding patient information against cyber threats and unauthorized access.

### 7 | Public Health Surveillance

Understand how IT tools are used for tracking and analyzing public health data, monitoring disease outbreaks, and implementing preventive measures.

### 8 | Interdisciplinary Collaboration

Learn how to collaborate effectively with IT professionals, clinicians, and other stakeholders to develop and implement technology solutions that address healthcare challenges.

### 9 | Research and Data Analysis

Develop skills in data collection, analysis, and interpretation, which are essential for conducting research studies and evaluating the effectiveness of healthcare interventions.

### 10 | Career Opportunities

Gain exposure to various career paths at the intersection of health sciences and IT, including healthcare informatics, medical technology development, health IT consulting, and healthcare administration.