

## CFISD Health Science Theory/Clinical Scope and Sequence

**Course Description:** (2 Credits)

Health Science Theory & Clinical provides in-depth knowledge and skills related to a wide variety of career opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Key components of this course are industry certifications, standard precautions, and ethics. The students will apply these concepts and practice entry-level occupational skills in both classroom and clinical settings such as hospitals or other medical-related agencies.

- Grades 11 – 12
- Required prerequisite: Principles of Health Science, Medical Terminology and Biology and verification of clinical site requirements (requirements vary by clinical site)
- Lab supplies or fee may be required
- Assessment for verification of industry-recognized training is available for a fee
- A declaration of interest form may be required if demand exceeds the number of available slots.

**TEKS:** [Theory](#) and [Clinical](#)

**Cluster:** Health Science

**Endorsement:** Public Services

- Meets advanced course requirement (Y/N): Y
- Meets foundation requirement for math, science, fine arts, English (Y/N-area): N

**Industry Certification/Credentials:** (Subject to change)

- American Heart Association-BLS CPR
- OSHA 10- Hour General Industry Healthcare
- CET - Certified Electrocardiography Technician

Instructional Units (Subject to change)	Estimated Days
<p>1<sup>st</sup> Semester</p> <ul style="list-style-type: none"> <li>● Review Clinical Rules and Expectations/Paperwork</li> <li>● BLS CPR/OSHA (Certification - September)</li> <li>● HOSA-Leadership</li> <li>● Legal and Ethics</li> <li>● Infection Control</li> <li>● Industry Expectations</li> <li>● Communication</li> <li>● Documents and Records</li> <li>● Career and Employment in Healthcare</li> <li>● Vital Signs</li> <li>● Medical Terminology &amp; Abbreviations (Pharmacology Focused-Throughout Semester)</li> <li>● Computers and Technology in Healthcare (Throughout Semester)</li> </ul>	<p><b>1st Semester:</b></p>
<p>2<sup>nd</sup> Semester</p>	<p><b>2nd Semester:</b></p>

<ul style="list-style-type: none"><li>● Admissions, Transfers, Discharges</li><li>● Activities of Daily Living, Skills and Disease of Impact</li><li>● Wellness</li><li>● Medical Math</li><li>● EKG Technician (CET Certification - Mid May)</li><li>● Medical Terminology &amp; Abbreviations (Pharmacology Focused-Throughout Semester)</li><li>● Computers and Technology in Healthcare (Throughout Semester)</li><li>● Body Systems Structure and Function (Review throughout the year)</li></ul>	
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**Primary Instructional Materials:** Diversified Health Occupations, 8th Edition by Simmers, Simmers-Nartker, Simmers-Kobelak. Cengage Learning 2014, ISBN: 9781133693611

**Supplemental Instructional Materials:**

Clinical Rotations 2, 2nd Edition by Lois Thomson, Cathy Trocquet. Cengage Learning 2014 ISBN 9781111640507

HealthCenter 21: <https://learn.aeseducation.com>

American Heart Association- [www.heart.org](http://www.heart.org)

OSHA- [www.careersafe.org](http://www.careersafe.org)

[www.WebMD.com](http://www.WebMD.com)

zSpace Curriculum

[www.innerbody.com](http://www.innerbody.com)

<https://txcte.org/>

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