

## CFISD Practicum in Health Science

### Scope and Sequence

**Course Description:**

While earlier courses in health science provide students with an overview of the healthcare industry, this course allows students to select and pursue a specialization. Students will have the opportunity to gain knowledge and develop advanced clinical skills needed for a specific certification or licensure in an allied health career such as Pharmacy Technician, Certified Nursing Aide (CNA), or Emergency Medical Technician. Because training requirements vary by specialization, a program application process is required to determine the most appropriate method(s) of instruction. These may include classes on a college campus, pre-employment labs in the classroom, clinical internships or employment, or a combination (1-2 credits)

- Grade 12
- Required prerequisite: Principles of Health Science, Biology and an advanced health science course (Health Science Theory/Clinicals, Anatomy and Physiology K, Forensic Science K, Pathophysiology K, and/or World Health Research).
- An application is required for all areas (CNA, EMT, Pharmacy Technician, and Work Study).
- CNA, EMT and Pharmacy Tech Certifications satisfy the requirement to earn a performance acknowledgment.
- Lab supplies and/or fees are required based on chosen area of study.

Students participating in CNA or EMT classes are enrolled for one semester however can take in conjunction with work study.

TEKS

Cluster: Health Science

Endorsement: Public Services

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

Industry Certification/Credentials: Emergency Medical Technician, Certified Nurse Assistant and Pharmacy Technician follow established proprietary and/or state approved preparation programs including skill practice and job shadowing/training for state certification exam

Instructional Units	Pacing
<p>1<sup>st</sup> Semester</p> <p><b>Certified Nurse Assistant and Pharmacy Technician curriculum is aligned to content leading to certification in these areas.</b></p> <p><b>The following is for non-certification programs:</b></p> <ul style="list-style-type: none"> <li>• Preparation for Practicum - Infection control and safety; Basic Life Support (BLS) CPR; Occupational Safety and Health Administration certification(OSHA).</li> <li>• Multi- Competent Health Care Worker</li> <li>• Career Prep: Portfolio Project – Year Long Culminating Project.</li> </ul>	<p>1st grading pd</p>

<ul style="list-style-type: none"> <li>○ Academic Requirement Research -</li> <li>● Career Pathways             <ul style="list-style-type: none"> <li>○ Career Pathway research                 <ul style="list-style-type: none"> <li>■ College Research</li> <li>■ Presentations</li> </ul> </li> </ul> </li> <li>● Communication             <ul style="list-style-type: none"> <li>○ Advanced Human Relations</li> <li>○ Communication Barriers</li> <li>○ Patient Education</li> <li>○ Technical Writing</li> </ul> </li> <li>● Teamwork/Teambuilding             <ul style="list-style-type: none"> <li>○ Project Management</li> <li>○ Service Learning</li> <li>○ Community Service Project Idea</li> </ul> </li> </ul> <p>Team Teaching</p>	<p>2<sup>nd</sup> grading pd</p>
<p>2<sup>nd</sup> Semester</p> <p><b>Certified Nurse Assistant, Emergency Medical Technician and Pharmacy Technician curriculum is aligned to content leading to certification in these areas.</b></p> <p><b>The following is for non-certification programs:</b></p> <ul style="list-style-type: none"> <li>● Ethical and Legal Responsibilities             <ul style="list-style-type: none"> <li>○ Professional Liability and Malpractice</li> </ul> </li> <li>● Anatomy &amp; Physiology             <ul style="list-style-type: none"> <li>○ Homeostasis</li> <li>○ Normal vs Abnormal</li> <li>○ Medical terminology and abbreviations</li> </ul> </li> <li>● Multi- Competent Health Care Worker (ongoing throughout the whole year)             <ul style="list-style-type: none"> <li>○ History and Physical II</li> </ul> </li> <li>● Career Prep(ongoing throughout the whole year)             <ul style="list-style-type: none"> <li>○ Academic Requirement Research</li> </ul> </li> <li>● Improvement and advancements in healthcare technology             <ul style="list-style-type: none"> <li>○ Emerging Technologies in Medicine</li> <li>○ Research Technology</li> </ul> </li> <li>● Portfolios (ongoing throughout the whole year)             <ul style="list-style-type: none"> <li>○ Students will scan and upload Timesheet/Evaluations</li> </ul> </li> </ul> <p>Community Service Log (setup 1st week of school)</p>	<p>3<sup>rd</sup> grading pd</p> <p>4<sup>th</sup> grading pd</p>

Primary Instructional Materials:

- BE Pub. Today's health professions- 978-0-8036-4465-6

Supplemental Instructional Materials:

- Clinical Rotations 2, 2nd Edition by Lois Thomson, Cathy Trocquet. Cengage Learning 2014 ISBN 9781111640507
- Diversified Health Occupations, 8th Edition by Simmers, Simmers-Nartker, Simmers-Kobelak. Cengage Learning 2014, ISBN: 9781133693611
  - [www.nglreview.cengage.com](http://www.nglreview.cengage.com)
- Nursing Assistant-A Nursing Process Approach, Eleventh Edition by Barbara Acello and Barbara Hegner. Cengage Learning 2016. ISBN- 13-9781133132370
  - [www.nglreview.cengage.com](http://www.nglreview.cengage.com)
- Memmler's The Human Body in Health and Disease, (various editions) by Barbara Janson Cohen and Jason James Taylor. Lippincott Williams & Wilkins 2005. ISBN- 13: 0-7817-4232-3
- Mosby's Review for the Pharmacy Technician, 4th Edition. ISBN-13: 978-1455751785
- Math Calculations for Pharmacy Technicians, 2nd Edition. ISBN-13: 978-1437723663
- <http://cte.unt.edu> (As of 8/31/2017 this website will no longer be available but supplemental materials have been used)
- [www.txcte.org](http://www.txcte.org)
- <http://CareerSafeOnline.com>
- Health Center 21
- [www.WebMD.com](http://www.WebMD.com)
- zSpace Curriculum