

## 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 in the classroom and the workplace, such as Pharmacy Technician, Certified Nursing Aide (CNA), Emergency Medical Technician (EMT), or Registered Dental Assistant (RDA). Students are required to work 5 hours for an unpaid position or 10 hours for a paid position per week at an approved training site.

The student must be employed at that site within two (2) weeks after enrollment in the course. Because training requirements vary by specialization, a declaration of interest 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.

- Grade 12
- Required Prerequisite: Principles of Health Science and one health science advanced related course (Health Science Theory/Clinicals, Anatomy and Physiology K, or Pathophysiology K) and admission to Lonestar College for EMT and/or CNA.
- A Declaration of Interest is required for all areas (CNA, EMT, Pharmacy Technician, RDA, and Work Study).
- CNA, EMT, RDA 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 - Health Science**

**Programs of Study:** Healthcare Diagnostics, Healthcare Therapeutic, Nursing Science and Health Informatics.

**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 Aide, Pharmacy Technician, and Registered Dental Assistant follow established proprietary and/or state approved preparation programs including skill practice and job shadowing/training for state certification exam.

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Instructional Units	Estimated Days
<p>1<sup>st</sup> Semester</p> <p><b>Certified Nurse Aide, Pharmacy Technician, Registered Dental Assistant 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. <ul style="list-style-type: none"> <li>○ Academic Requirement Research -</li> </ul> </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/Team building <ul style="list-style-type: none"> <li>○ Project Management</li> <li>○ Service Learning</li> <li>○ Community Service Project Idea</li> <li>○ Team Teaching</li> </ul> </li> </ul>	<p>All item are ongoing through fall semester</p>

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<p>2<sup>nd</sup> Semester</p> <p><b>Certified Nurse Aide, Pharmacy Technician, Registered Dental Assistant, and Emergency Medical 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</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> <li>○ Community Service Log (setup 1st week of school)</li> </ul> </li> </ul>	<p>All item are ongoing through spring semester</p>
<p><b>Certification Testing Timeline</b></p>	
<ul style="list-style-type: none"> <li>● Basic Life Support (BLS) CPR (Test - within first month of semester enrolled)</li> <li>● Occupational Safety and Health Administration certification (OSHA) (Test - within first month of semester enrolled)</li> <li>● Certified Nurse Aide (Test - end of semester which enrolled)</li> <li>● Emergency Medical Technician - Basic (Test - end of spring semester)</li> <li>● Pharmacy Technician - (Test - late April, early May)</li> <li>● Registered Dental Assistant - (Test - late April, early May)</li> </ul>	

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### Instructional Materials:

**Emergency Medical Technician (EMT) and Certified Nursing Aide (CNA)** refer to Lone Star College course requirements.

**Pharmacy Technicians** use an online curriculum, PharmaSeer from the National Healthcare Association, in addition, to

- Clinical Rotations, 2nd Edition by Lois Thomson, and 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)
- Pharmacy Technician, Principles and Practice, Mosby
- Complete Math Review for the Pharmacy Technician, William Hopkins, Jr
- Career Safe
- American Heart Association (AHA)

**Registered Dental Assistant** use an online curriculum,

- RDA Prep (online curriculum)
- Essentials of Dental Assisting 6th Edition, by Debbie Robinson and Doni Bird. Saunders 2016. ISBN: 323400647 (optional - not required)
- Modern Dental Assisting, 12th Edition, by Debbie Robinson and Doni Bird. Saunders 2017. ISBN: 9780323430302 (optional - not required)
- Career Safe
- American Heart Association (AHA)

### Work Study

- Today's Health Professions: Working Together to Provide Quality Care, Patricia Lockamy Royal
- Clinical Rotations, 2nd Edition by Lois Thomson, and 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)
- iCEV
- Career Safe
- American Heart Association (AHA)