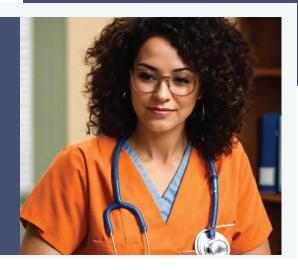


ACADEMIC PATHWAY NURSING SCIENCE

Health Science Career Cluster



Middle School Courses

Grade Seven: Principles of Health Science **Grade Eight: Principles of Nursing**

High School Courses

Freshmen: Medical Terminology Sophmores: Anatomy and Physiology * Juniors: Medical Microbiology * Seniors: Practicum in Nursing

These classes require additional course work before taking the class. Please consult with your counselor.

Industry Certifications

Certified Clinical Medical Assistant Certified Nurse Aide (CNA) **Licensed Vocational Nurse Medical Assistant** Patient Care Technician Phlebotomy Technician

College Courses

Associates Degree Nursing Applied Science

Central Texas College Temple College

Bachelor's Degree in Nursing

Texas A&M University - Central Texas University of Mary Hardin Baylor

Master of Science in Nursing University of Mary Hardin Baylor

Industries nursing jobs are found in...

| General Medical and Surgical Hospitals | 50.2% |
|--|-------|
| Federal Government, Civilian | 13.4% |
| Education and Hospitals (Local Government) | 12.2% |
| Offices of Physicians | 7.0% |
| Home Health Care Services | 4.5% |
| Nursing Care Facilities | 3.3% |
| Other | 9.4% |

Central Texas Employers Hiring Nurses

Baylor Scott & White Health Aveanna Healthcare AdventHealth United States Department of Veterans Affairs **Touchstone Communities** Elara Caring Thrive Skilled Pediatric Care Kids First Pediatric Homecare Fresenius Seton Medical Center Harker Heights

Work - Based **Exploration Activities Learning Activities** - Volunteer at community clinics, - Intern with a medical assistant hospitals, assisted living and at a community clinic, long-term care facilities. hospital, or assisted living facility - Participate in HOSA or SkillsUSA. Conduct informational interviews with nurses in different departments and healthcare

settings.



ACADEMIC PATHWAY Programming and Software Development

Information Technology Career Cluster



Middle School Courses

Grade Seven: Principles of Information Technology Grade Eight: Fundamentals of Computer Science

High School Courses

Freshmen: Computer Science I* Sophmores: Computer Science II * **Juniors: Advanced Cloud Computing** Seniors: Practicum in Information Technology *

These classes require additional course work before taking the class. Please consult with your counselor.

Industry Certifications

C++ Certified Associate Programmer Certified Entry-Level Python Programmer (PCEP) Certified **Professional Programmer** Certified User: Programmer CodeHS Python Level 1 Certification CompTIA IT Fundamentals+

College Courses

Associates Degree Computer Science

Central Texas College Temple College **Texas State Technical College**

Bachelor's Degree in Computer Science

Texas A&M University - Central Texas University of Mary Hardin Baylor

Master of Science in Information Systems

Texas A&M University - Central Texas University of Mary Hardin Baylor

Industries software developer jobs are found in...

| Computer Systems Design and Related Services | 48.7% |
|---|-------|
| Depository Credit Intermediation | 5.2% |
| Data Processing, Hosting, and Related Services | 4.7% |
| Management of Companies and Enterprises | 3.9% |
| Management, Scientific, Technical Consulting Services | 3.8% |
| Architectural, Engineering, and Related Services | 3.5% |
| Other | 30.2% |

Central Texas Employers Hiring Software Developers

McLane Company CompQsoft State Of Texas **Baylor Scott & White Health** Mastech Digital **PDI Technologies** Centex Technologies

Work - Based **Exploration Activities Learning Activities** Intern at a local IT company to • Program and create a game

- · Participate in TSA or SkillsUSA
 - and coding.
- develop skills in programming
 - Shadow a software developer to learn how they create and improve software to support efficient processes at their company.



Teaching and Training

Education and Training Career Cluster



Middle School Courses

Grade Seven: Principles of Educationand Training Grade Eight: Principles of Human Services

High School Courses

Freshmen: Human Growth and Development

Sophmores: Communication and Technology in Education

Juniors: Instructional Practices *

Seniors: Practicum in Education and Training *

These classes require additional course work before taking the class. Please consult with your counselor.

Industry Certifications

Educational Aide I

College Courses

Associates of Arts Degree in Teaching

Central Texas College Temple College

Bachelor's Degree in Education

Texas A&M University - Central Texas University of Mary Hardin Baylor

Masters of Education

Texas A&M University - Central Texas University of Mary Hardin Baylor

Doctors of Education (PhD)

University of Mary Hardin Baylor

Industries Elementary Teacher jobs are found in...

Education and Hospitals (Local Government) 98.1% Elementary and Secondary Schools 1.9% Other 0.0%

Central Texas Employers Hiring Elementary Teachers

Temple Independent School District
Copperas Cove Independent School District
Killeen Independent School District
Gatesville Independent School District
Academy Independent School District
Cameron Independent School District
Hill Country Community Action Association

| Exploration Activities | Work - Based Learning Activities |
|--|---|
| • Participate in FCCLA • Participate in TAFE | Serve as a camp counselor to learn mentoring, facilitation, and lesson planning skills. Volunteer in a tutoring center to learn lesson planning and skills assessment. Volunteer as a Teacher's Aide in an elementary school in your school district. |