

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

Sophomores: 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

Exploration Activities

- Volunteer at community clinics, hospitals, assisted living and long-term care facilities.
- Participate in HOSA or SkillsUSA.

Work - Based Learning Activities

- Intern with a medical assistant at a community clinic, hospital, or assisted living facility
- 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 *
Sophomores: 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

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

Exploration Activities

- Program and create a game
- Participate in TSA or SkillsUSA

Work - Based Learning Activities

- Intern at a local IT company to develop skills in programming and coding.
- Shadow a software developer to learn how they create and improve software to support efficient processes at their company.

ACADEMIC PATHWAY Teaching and Training

Education and Training Career Cluster



Middle School Courses

Grade Seven: Principles of Education and Training

Grade Eight: Principles of Human Services

High School Courses

Freshmen: Human Growth and Development

Sophomores: 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

- Participate in FCCLA
- Participate in TAFE

Work - Based Learning Activities

- 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.