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Special Services and Student Accommodations (ADA)

Students or prospective students with disabilities can contact the Office of Accommodations/Disabilities. The Office of A/D exists to assist students with documented disabilities as they pursue their goal of a college education. The office serves as a liaison between students and the college in matters of communication and action toward achievement of reasonable accommodations. Each student is encouraged to act as his or her own advocate, and take the major responsibility for securing accommodations. The Office of A/D provides students with the voluntary and confidential means to seek accommodations for academic and related needs. Early and regular contact will assure the timely identification of needed services and the location of resources and options available to the student. Eligibility for disability services at Weatherford College is dependent upon the nature of the disability and its impact on learning. A disability is defined as any mental or physical condition that substantially limits an individual's ability to perform one or more major life activities. These disabilities may be: physical, visual or auditory, neurological or psychological in nature, and also include chronic health problems and learning and communication disorders.

The Office of A/D is located in Student Services-lower level. Due to the high volume of students who receive services through this office it is highly recommended that students make appointments with the counselor in the Office of Accommodations and Disabilities located in Students Services or call 817-598-6350.

ALLIED HEALTH APPLICATION

Answer **ALL** questions. Please type or print. Mail to appropriate campus listed on bottom of second page with **all** required paperwork.

SPECIALTY FOR WHICH APPLICATION IS MADE:

- Associate Degree Nursing -Fall Class -Spring Class – Main Campus Weatherford
 -Associate Degree Nursing -Fall Class – Wise County Campus
 -Diagnostic Medical Sonography – Main Campus Weatherford
 -Echocardiography Certificate – Main Campus Weatherford
 -Vascular Certificate – Main Campus Weatherford
 -Human Service Provider A.A.S. – Main Campus Weatherford
 -LVN-RN Transition– Main Campus Weatherford
 -Occupational Therapy Assistant – Mineral Wells Education Center
 -Phlebotomy Technology -Fall Class -Spring Class -Summer Class– Main Campus Weatherford
 -Physical Therapist Assistant – Mineral Wells Education Center
 -Radiology Technology– Main Campus Weatherford
 -CT Certificate – Main Campus Weatherford
 -Respiratory Care– Main Campus Weatherford
 -Substance Abuse Counseling Certificate– Main Campus Weatherford
 -Vocational Nursing -Fall Class -Spring Class– Main Campus Weatherford

Name: Mr. Miss Mrs.

| | | | |
|-------|--------|------|-------------|
| First | Middle | Last | Maiden Name |
|-------|--------|------|-------------|

Mailing Address:

| | | | |
|-----------------|------|-------|-----|
| Number & Street | City | State | Zip |
|-----------------|------|-------|-----|

Permanent Address (if different from above) _____

Texas County of Residence _____ Country of Citizenship _____

Social Security # _____ Country of Birth _____

Home Phone: (____) _____ Cell Phone: (____) _____

Business Phone: (____) _____ E-mail address: _____

In case of emergency notify: _____

| | |
|------|--------------|
| Name | Relationship |
|------|--------------|

Address: _____ Phone (____) _____

| | | | |
|-------------------|------|-------|-----|
| Number and Street | City | State | Zip |
|-------------------|------|-------|-----|

Have you ever been arrested, convicted, or received deferred adjudication for a felony/misdemeanor? yes no

Note: If you pled “nolo contendere, or no contest,” you must answer “yes.”

If you answered “yes” to the above question, you must report charges and disposition to certification or licensing agency in order to determine eligibility for taking certification or licensure examination.

PROFESSIONAL LICENSES OR CERTIFICATION

| Type | Issued By | Number | Date |
|------|-----------|--------|------|
| | | | |
| | | | |

EDUCATION – List ALL Colleges and Universities Attended

| NAME OF SCHOOL | LOCATION OF SCHOOL | DATES: FROM/TO | DIPLOMA/ DEGREE OR CERTIFICATE | MAJOR/MINOR |
|--------------------|--------------------|-------------------|--------------------------------------|-------------|
| HIGH SCHOOL OR GED | | | | |
| COLLEGE/UNIVERSITY | | | | |
| COLLEGE/UNIVERSITY | | | | |
| COLLEGE/UNIVERSITY | | | | |
| TECHNICAL OR OTHER | | | | |

**** The Registrar of Weatherford College must receive official transcript(s) before this application can be processed.**

WORK EXPERIENCE

List current or most recent job:

1. Name of Company _____
 Complete Address _____ Telephone No. () _____
 Supervisor's Name _____ Title _____
 Dates Employed: From _____ to _____ Nature of Job Duties _____
 Starting Salary _____ Final Salary _____ Reason for Leaving _____

FOLLOW UP INFORMATION

It is important that we do a follow-up study of our students. Please provide the following information about two (2) people who will always know where to locate you.

| | Name | Complete Mailing Address | Telephone No. |
|----|---------------------|--------------------------|---------------|
| 1. | _____ | _____ | _____ |
| | Email Address _____ | | |
| 2. | _____ | _____ | _____ |
| | Email Address _____ | | |

PLEASE READ AND SIGN THE FOLLOWING

I hereby certify that the information contained in this application is true and complete to the best of my knowledge. I understand that any misrepresentation or falsification of information is cause for denial of admission or dismissal from the program.

Signature of Applicant

Date

Weatherford College is an affirmative action/equal opportunity employer. Applicants are considered on the basis of qualifications without regard to gender, age, race, color, creed, religion, national or ethnic origin, veteran status, or the presence of a non-job-related disability or any other legally protected status.

Please include all required paperwork with your application. Incomplete applications will not be accepted.

Weatherford College (main campus)
 Allied Health Division
 225 College Park Drive
 Weatherford, TX 76086
 (817) 594-5471 or (800) 287-5471
 Fax: (817) 598-6455

Weatherford College Mineral Wells Education Center
 Allied Health Division
 704 Hood Road
 Mineral Wells, TX 76067
 (940) 325-2591 or (800) 300-2591
 Fax: (940) 328-1800



DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM

The Weatherford College Diagnostic Medical Sonography Program is a 22 month curriculum comprised of classroom, laboratory, and clinical learning experiences. The course of study is comprised of 65 semester-credit hours and is designed to prepare individuals for careers as entry-level diagnostic medical sonographers.

The Weatherford College Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Commission on Accreditation of Allied Health Education Programs
25400 US Highway, 19 N., Suite 158
Clearwater, FL 33763
727-210-2350
www.caahep.org

Program Goals

The goal of the Diagnostic Medical Sonography Program is to prepare competent entry-level general and vascular sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains.

Application Requirements

The Diagnostic Medical Sonography Program begins every year in August and is a 22 month continuous program which requires full-day attendance Monday through Friday. All prospective students are required to meet the admission criteria. In addition, all applicants should be free of illegal drug use, have no felony convictions, and be clear of any misdemeanor convictions other than minor traffic violations. For more information about the application procedures please call (817) 598-6217. Applications for admission will be accepted beginning the **first business day in December through the last business day of February** each year for the Diagnostic Medical Sonography Program. Applications may be downloaded from our program web page.

Application requirements include the following:

- Submit Weatherford College application via ApplyTexas (*select General Studies as major*), official transcripts, and evidence of Texas Success Initiative or completion to the Office of Student Affairs.
- Complete Sonography Program prerequisites. Science courses (BIOL 2401 and 2402) must be current within the past 5 years at time of admission. *Program Director may grant a waiver for the time limit on science courses, by accepting the AP test through the testing center, on a case by case basis. This excludes courses over 10 years old.*
- Complete TEAS test (*must have a minimum score of 70% each on the reading comprehension and math sections*).
- Completed first Hepatitis B shot. We do not recommend the fast track in order to ensure readiness for clinical.
- Submit Allied Health Application to Allied Health Office, Office C with the following:
 - Official transcripts
 - TEAS scores
 - Proof of Hepatitis B vaccine (three dose series), proof of positive titer, or Dept. of State Health Services waiver. This is a 4 – 6 month process and **must** be completed prior to the Fall semester.
 - Consideration for credit for human medical work experience requires submission of training certificate, transcripts, and a resume with references.
- **Failure to meet application requirements will result in denial of application.**

Weatherford College is an affirmative action/equal opportunity employer. Applicants are considered on the basis of qualifications without regard to gender, age, race, color, creed, religion, national or ethnic origin, veteran status, or the presence of a non-job-related disability or any other legally protected status.

TEAS Entrance Exam

The TEAS entrance exam is given in the Testing Center at Weatherford College, located in the Jack Knight Building. The cost of the exam can be verified by calling the Testing Center at 817-598-6383 and is paid in the Weatherford College Business Office. The Business Office will accept cash or money orders only and payment is non-refundable. Please contact the Testing Center to schedule an appointment for your test. You will need to present the receipt from the business office to the personnel in the Testing Center. The exam takes approximately four hours and is computerized. You are allowed to take the test twice within a six-month period. Once you have completed the test, please print two copies of the results in order to keep a copy for your records. TEAS scores are good for two years.

ONCE SELECTED FOR ADMISSION TO THE PROGRAM, THE STUDENT MUST COMPLETE THE FOLLOWING PRIOR TO THE CLINICAL PORTION OF THE PROGRAM, but only after instructed when to do so:

- ◆ Complete a criminal background check
- ◆ Obtain a TB screen test, a 10 panel urine drug screen, various titers and immunizations, completion of Hepatitis B series, and a back/spine screen
- ◆ Submit proof of major medical health insurance

- ◆ Obtain current American Heart Association Health Care Provider CPR - valid through 2 years.

Information and specifics on obtaining the above criteria will be available to the student upon acceptance to the program.

Start-up costs for immunizations, titers, urine drug screen, CPR, back/spine screen, and health insurance varies but could run as much as \$400.

CAREER OPPORTUNITIES

According to the United States Bureau of Labor Statistics, “employment of diagnostic medical sonographers is expected to increase by about 39% through 2022”.

English Proficiency Requirements

Before being accepted into the Diagnostic Medical Sonography Program an applicant who's native language* is not English must submit an acceptable score on the Test of Spoken English (TSE) with application. Additional information may be obtained from the Allied Health Department. *A native language is a language that is acquired naturally during childhood & is usually spoken at home, as opposed to a language that is learned later in life, for example, as a part of a person's formal education.

Selection into the program is base on the following scoring methods:

1. Prerequisite Courses

See below. *All prerequisite courses must be completed with a grade of “C” or better. GPA of 3.5 for prerequisites recommended.*

(Points awarded for each course completed)

A = 4 points, B = 3 points, C = 2 points

2. Points awarded for a previous degree

Master's = 8 points, Bachelor's = 6 points, Associate's = 4 points

3. Points awarded for prior applications

2 points per prior application: maximum of 6 points allowed

4. Points for prior medical work experience

Certificate and resume required for proof/5 points per year of experience: maximum of 15 points allowed

5. TEAS Assessment test scores

Reading, Math, Science, and English (points awarded based on scores in each section).

90-100 = 4 points, 80-89 = 3 points, 70-79 = 2 points

6. Personal Interview

Only the top 25* applicants will be selected for an interview. Interviews will be scored. *Number selected is subject to change.

7. Final Ranking process

Interviewed students will be re-ranked as follows: personal interview score, 40%, total of items 1-4 from above, 40%, TEAS scores 20%.

The twelve applications with the highest cumulative points will be accepted each Fall semester. Four alternates will be accepted on a stand-by basis. The number of selected applicants is subject to change.

DIAGNOSTIC MEDICAL SONOGRAPHY CURRICULUM

Prerequisite Courses

BIOL 2401 Anatomy and Physiology I
BIOL 2402 Anatomy and Physiology II
MATH 1314 College Algebra
ENGL 1301 English Composition I
PSYC 2301 Introduction to Psychology
Elective Language, Philosophy & Culture or Creative Arts
PHYS 1401 General Physics I or PHYS 1415 Physical Science

Fall Semester I

DMSO 1110 Introduction to Sonography
DMSO 1441 Abdominopelvic Sonography
DMSO 1302 Basic Ultrasound Physics
DMSO 1266 Practicum

Spring Semester II

DMSO 2305 Sonography of Obstetrics/Gynecology
DMSO 2243 Advanced Ultrasound Physics
DSVT 1103 Introduction to Vascular Technology
DMSO 1366 Practicum

Summer Semester III

DMSO 2353 Sonography of Superficial Structures
DMSO 2242 Sonography of High Risk Obstetrics
DMSO 1267 Practicum

Fall Semester IV

DMSO 1355 Sonographic Pathophysiology
DSVT 1300 Principles of Vascular Technology
DMSO 1367 Practicum

Spring Semester V

DSVT 2335 Advanced Vascular Technology
DMSO 2130 Advanced Ultrasound and Review (Capstone)
DSVT 1364 Practicum (Capstone)

**Health and Human Sciences Division
REQUIRED IMMUNIZATIONS & DRUG SCREEN**

Applicant Name: _____ **SS#(Last 4 digits)** _____

Program: OTA-[], Phlebotomy-[]; Respiratory Care-[]; Sonography-[]

Directions: It is the responsibility of the applicant to ensure that the following required immunizations and laboratory work is completed and documentation provided to the appropriate Allied Health Program. **ADMISSION TO ALL ALLIED HEALTH PROGRAMS IS CONDITIONAL UNTIL THIS INFORMATION IS RECEIVED IN THE ALLIED HEALTH OFFICE.** All costs associated with these requirements are the responsibility of the applicant.

REQUIRED IMMUNIZATIONS

You must submit documentation that shows proof of current immunizations. Check with your healthcare provider to determine if booster injections are necessary.

Tdap (Combined Tetanus, Diphtheria, and Pertussis) – Must be current within 10 years

Influenza vaccine – annual flu shot

Mumps/Measles/Rubella

| | |
|---------|--|
| Measles | Must have two (2) doses since 12 months of age. The two (2) doses must be at least 30 days apart or proof of a positive Measles titer. |
| Mumps | Must have at least one (1) dose since 12 months of age or proof of a positive Mumps titer. |
| Rubella | At least one (1) dose since 12 months of age is required or proof of a positive Rubella titer. |

Hepatitis B Vaccine Series

| | |
|-------------|--|
| Hepatitis B | The three dose series must be completed before contact with clients/patients in clinicals/practicums or proof of a positive Hepatitis B titer. |
|-------------|--|

Varicella (chickenpox)

| | |
|------------------------|--|
| Varicella (chickenpox) | <p>All students must document evidence of immunity to varicella (chickenpox). This requirement may be met by any of the following:</p> <ol style="list-style-type: none"> documentation of varicella immunization. Immunization for adolescents and adults is a series of two doses 4 to 8 weeks apart. signed statement by the student, student's parent, or student's physician stating that the student had chickenpox and when the disease occurred. This statement should include contact information for the historian (person recalling the illness). (Only applicable for OTA and Phlebotomy Students) positive varicella titer. |
|------------------------|--|

REQUIRED LABORATORY STUDIES

- Urine Drug Screen** – Must be 10-panel urine drug screen completed at Weatherford Regional Medical Center or a CareNow Clinic. (We will not accept a drug screen from any other provider.) Please note: for drug screening purposes, taking ANY medication for which you do not have a prescription in your name is a violation of protocol. (Drug screen may be repeated x 1, if necessary.)
- TB Skin Test (Tine)** - Test date MUST be less than one year from date of submission of test copy. (If unable to obtain T.B. skin test due to allergy or persistent positive reading, a Chest X-Ray is required.)

Weatherford College
 Allied Health
 225 College Park Drive
 Weatherford, TX 76086
 (817) 594-5471, Ext 6217/6259
 Fax: (817) 598-6455

Adoption Date: May 10, 2000
 Revised Date: 11/12

Diagnostic Medical Sonography Program
APPROXIMATE STUDENT COSTS

Diagnostic Medical Sonography Core Courses

| Fall Semester: | In-District | Out-of-District |
|------------------------|--------------------|------------------------|
| Tuition (10 Hours): | \$800.00 | \$1,240.00 |
| Tuition Differential | \$400.00 | \$400.00 |
| Parking Fee: | \$30.00 | \$30.00 |
| Textbooks: | \$768.00 | \$768.00 |
| Liability Insurance: | \$13.00 | \$13.00 |
| Core Study Fee | \$80.00 | \$80.00 |
| Trajecsys Clinical Fee | \$150.00 | \$150.00 |
| Lab Fee: | \$72.00 | \$72.00 |
| Uniforms & Supplies: | \$80.00 | \$80.00 |
| TOTAL | \$2,393.00 | \$2,833.00 |

| Spring Semester: | In-District | Out-of-District |
|-------------------------|--------------------|------------------------|
| Tuition (9 Hours): | \$720.00 | \$1,116.00 |
| Tuition Differential | \$360.00 | \$360.00 |
| Parking Fee: | \$30.00 | \$30.00 |
| Textbooks: | \$327.00 | \$327.00 |
| Core Study Fee | \$80.00 | \$80.00 |
| Lab Fees: | \$48.00 | \$48.00 |
| Uniforms: | \$80.00 | \$80.00 |
| TOTAL | \$1,645.00 | \$2,041.00 |

| Summer Semester: | In-District | Out-of-District |
|-------------------------|--------------------|------------------------|
| Tuition (6 Hours): | \$480.00 | \$744.00 |
| Tuition Differential | \$240.00 | \$240.00 |
| Parking | \$20.00 | \$20.00 |
| Textbooks: | \$276.00 | \$276.00 |
| Lab Fees: | \$48.00 | \$48.00 |
| Uniforms: | \$80.00 | \$80.00 |
| TOTAL | \$1,144.00 | \$1,408.00 |

| Fall Semester II: | In-District | Out-of-District |
|--------------------------|--------------------|------------------------|
| Tuition (9 Hours): | \$720.00 | \$1,116.00 |
| Tuition Differential | \$360.00 | \$360.00 |
| Parking Fee: | \$30.00 | \$30.00 |
| Core Study Fee | \$80.00 | \$80.00 |
| Lab Fees: | \$24.00 | \$24.00 |
| Liability Insurance: | \$13.00 | \$13.00 |
| Uniforms: | \$80.00 | \$80.00 |
| TOTAL | \$1,307.00 | \$1,703.00 |

| Spring Semester II: | In-District | Out-of-District |
|----------------------------|--------------------|------------------------|
| Tuition (7 Hours): | \$560.00 | \$868.00 |
| Tuition Differential | \$280.00 | \$280.00 |
| Parking Fee: | \$30.00 | \$30.00 |
| Lab Fees: | \$48.00 | \$48.00 |
| Uniforms: | \$80.00 | \$80.00 |
| TOTAL | \$998.00 | \$1,306.00 |

All tuition and fees are subject to change without notice.

Other Expenses

In addition to tuition, books, and fees, students are required to purchase the following items: Scrubs (\$85), 4 school patches (\$32), white leather shoes (\$55), major medical health insurance (varies). Other costs will include immunizations, drug screens, and criminal background check. Up to \$1000.00 for ARDMS exam fees.

Division of Health and Human Sciences
Allied Health and Nursing Departments

ENGLISH PROFICIENCY PROCEDURE

International applicants, any visa holders, permanent residents, and exchange students whose native language * is not English must provide proof of English proficiency. Allied Health/Nursing applicants must possess proficiency in oral English communication skills. Applicants must possess English language skills that allow for interaction in the classroom, skills laboratory, and clinical practice settings to successfully complete required course work and to provide a safe client care environment. The above applicants must demonstrate the use of acceptable grammar and pronunciation in formal verbal classroom presentations and verbal interactions with a variety of healthcare professionals, faculty, peers, and clients/patients in diverse clinical settings. **Note: Proof of English proficiency must be provided by the end of the application period for the desired allied health program.**

Applicants from the following list of countries with **majority English speaking populations** are excluded from this procedure:

- **Anguilla**
- **Antigua & Barbuda**
- **Ascension**
- **Australia**
- **Bahamas**
- **Barbados**
- **Belize**
- **Bermuda**
- **Canada (except Quebec)**
- **Channel Islands**
- **Dominica**
- **Falklands**
- **Grenada**
- **Guyana**
- **Ireland (Erie)**
- **Jamaica**
- **Liberia**
- **Montserrat**
- **New Zealand**
- **St Christopher (St Kitts) & Nevis**
- **St Lucia**
- **St Helena**
- **St Vincent & the Grenadines**
- **South Africa**
- **Trinidad & Tobago**
- **United Kingdom (England, Isle of Man, Northern Ireland, Scotland, Wales)**
- **Virgin Islands**

Applicants who desire to enroll in programs that include a clinical practice component must demonstrate oral English proficiency.

Transfer applicants who cannot demonstrate exemption as outlined below are also required to demonstrate oral English proficiency as outlined in this procedure.

One of the following constitutes proof:

1. **TOEFL iBT – A score of 20 or greater is required on the speaking skills component. A composite score of 83 or greater is required. Four scaled section scores in Reading, Listening, Speaking, & Writing are required. An official copy of test scores must be received from Educational Testing Services (ETS) before the last day of the specific application period for the appropriate allied health program.**
Web site: <http://www.ets.org/toefl/index.html>. When registering for the exam, please have official scores sent to Weatherford College (School Code – 6931)
2. **An associate degree or baccalaureate degree from a regionally accredited U.S. college or university.**
3. **4 years of study at and a diploma from a U.S. high school.**

Applicants whose native language* (as defined below) is not English must provide proof of English proficiency prior to application deadline in any allied health/nursing program that includes clinical/practicum-type course work. Proof will constitute the college receiving official TOEFL iBT or official transcripts as listed above.

Applicants should access the ETS (Toefl iBT) website to locate testing dates, current fee schedules, and testing sites. Weatherford College does not offer either test. Weatherford College DOES NOT offer this test. Website address is:

Web site: <http://www.ets.org/toefl/index.html>. (Test of Spoken English) Click on "Test Locations".

English as an official language (language that is used on official documents, spoken on radio & television, included in a nation's constitution) does **not exempt** the applicant from the language proficiency requirement.

Copies of GED scores and/or TOEFL scores without the speaking skills score will not be accepted as proof of spoken English proficiency.

National Council on the Evaluation of Foreign Educational Credentials U.S. equivalence awards will not be accepted as proof of spoken English proficiency.

U.S. citizenship by naturalization process will not be accepted as proof of spoken English proficiency.

***-A native language is a language that is acquired naturally during childhood and is usually spoken at home, as opposed to a language that is learned later in life, for example, as part of a person's formal education.**

Sources: Oakland University, Rochester Hills, MI
University of Texas at Arlington, Arlington, TX
The English-Speaking Union (<http://www.esu.org/faqs.html>)
The Origin & History of the English Language (<http://www.krysstal.com/english.html>)
National Council of State Boards of Nursing (NCSBN) NCSBN Fact Sheet (www.ncsbn.org)
Information & Registration Bulletin for Internet-based Testing (iBT) TOEFL iBT 2008-2009

Adoption date: 02/04-**Revision E**
Revision date: 12/08-**Revision M**

So you want to be a sonographer...

Would you enjoy...

- Providing one-on-one care to a variety of people ranging from healthy to critically ill?
- Using high-tech instrumentation to create and interpret images from inside the human body that are used by physicians to make a medical diagnosis?
- Working as a key member of a health care team?
- Committing to life-long learning in order to maintain knowledge and expertise in a rapidly growing health care profession?



If so...we'd like to tell you about a career in Diagnostic Medical Sonography.

What is sonography?

Ultrasonography, commonly called sonography, is a diagnostic medical procedure that uses high frequency sound waves (ultrasound) to produce dynamic visual images of organs, tissues, or blood flow inside the body. This type of procedure is often referred to as a sonogram or ultrasound scan. Sonography can be used to examine many parts of the body, such as the abdomen, breasts, female reproductive system, prostate, heart, and blood vessels. Sonography is increasingly being used in the detection and treatment of heart disease, heart attack, and vascular disease that can lead to stroke. It is also used to guide fine needle, tissue biopsy to assist in taking a sample of cells from an organ for lab testing (for example, a test for cancer in breast tissue). Unlike X-rays, sonography is a radiation-free imaging modality.

The non-physician professionals who perform these procedures are known as sonographers and vascular technologists (who are sonographers specializing in imaging and tests of blood vessels).

There are several areas of specialization in the field of sonography. These specialty areas are:

Abdomen - evaluation of all the soft tissues, blood vessels and organs of the abdominal cavities (for example, liver, spleen, urinary tract, pancreas)

Breast - frequently used to evaluate breast abnormalities that are found with screening or diagnostic mammography

Obstetrics/Gynecology - evaluation of the female reproductive system

Echocardiography - evaluation of the anatomy and hemodynamics (blood flow) of the heart, its valves and related blood vessels

Vascular Technology - evaluation and analysis of the hemodynamics (blood flow) of peripheral and abdominal blood vessels

Neurosonology - evaluation of the brain and spinal cord

Ophthalmology - evaluation of the eye, including orbital structures and muscles

What does a diagnostic medical sonographer do?

A diagnostic medical sonographer is a highly-skilled professional who uses specialized equipment to create images of structures inside the human body that are used by physicians to make a medical diagnosis. The process involves placing a small device called a transducer against the patient's skin near the body area to be imaged. The transducer works like a loudspeaker and microphone because it can transmit sound and receive sound. The transducer sends a stream of high frequency sound waves into the body that bounce off the structures inside. The transducer detects sound waves as they bounce off the internal structures. Different structures in the body reflect these sound waves differently. These sounds are analyzed by a computer to make an image of the structure(s) on a television screen or that can be recorded on videotape.

Sonographers have extensive, direct patient contact that may include performing some invasive procedures. They must be able to interact compassionately and effectively with people who range from healthy to critically ill.

The professional responsibilities include, but are not limited, to:

- obtaining and recording an accurate patient history
- performing diagnostic procedures and obtaining diagnostic images
- analyzing technical information
- using independent judgement in recognizing the need to extend the scope of the procedure according to the diagnostic findings
- providing an oral or written summary of the technical findings to the physician for medical diagnosis
- providing quality patient care
- collaborating with physicians and other members of the health care team.

Sonographers must also be knowledgeable about and limit the risk from possible exposure to blood and body fluids. Many sonographers also assist in electronic and clerical scheduling, record keeping, and computerized image archiving. Sonographers may also have managerial or supervisory responsibilities.

What are some of the technical standards?

Sonographers and Vascular Technologists must be able to:

- Lift more than 50 pounds routinely
- Push and pull routinely
- Bend and stoop routinely
- Have full use of both hands, wrists and shoulders
- Distinguish audible sounds
- Adequately view sonograms, including color distinctions
- Work standing on their feet 80% of the time
- Interact compassionately and effectively with the sick or injured
- Assist patients on and off examining tables
- Communicate effectively with patients and other health care professionals
- Organize and accurately perform the individual steps in a sonographic procedure in the proper sequence

What are the career opportunities?

Sonography is a dynamic profession that has grown significantly over the past 20 years. With rapidly developing new technologies and increased use of diagnostic ultrasound procedures, growth is projected to continue in the future with employment opportunities for qualified sonographers in both urban and rural areas nationwide. Sonographers and vascular technologists can choose to work in clinics, hospitals, private practice physician offices, public health facilities, laboratories, and other medical settings performing examinations in their areas of specialization. Career advancement opportunities exist in education, administration, research, and in commercial companies as education/application specialists, sales representatives, technical advisors, etc.

What are the salaries for sonographers?

In addition to excellent career opportunities, salaries for sonographers are competitive with or higher than other professionals with similar levels of education. According to the *SDMS Salary and Benefits Survey* report (released March, 2005), the median salary for sonographers is \$61,984. This income includes: 1) hourly salary, 2) overtime and, 3) on-call pay. The typical hourly pay rate is \$29, and the number of overtime hours worked per week by sonographers is 3. The typical on-call pay rate is \$3.00 per hour, and the call-in rate of pay is \$42 per hour. Note: The *SDMS Salary and Benefits Survey* report is available for free to all SDMS members.

Salaries vary depending on years of experience, number of specialties practiced, as well geographic location. There are opportunities for full-time and part-time employment.

How long does it take to become a diagnostic medical sonographer?

Comprehensive Diagnostic Medical Sonography programs vary in length from one to four years depending on the degree or certificate awarded. Prerequisites also vary among programs from high school diploma or GED to specific qualifications in a related allied health profession.

The SDMS recommends that prospective students select a reputable program that

follows minimum curriculum and clinical education standards recognized by the [American Registry of Diagnostic Medical Sonographers](#) (ARDMS.) The SDMS does not recommend training programs that provide limited opportunity for students to apply classroom instruction and technical skills in patient care settings (clinical rotations). When seeking a reputable program, candidates might wish to consult the Commission on Accreditation of Allied Health Education Programs (CAAHEP) which accredits diagnostic medical sonography programs in the United States. A list of accredited programs is available on CAAHEP's web site, www.caahep.org.

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[Terms of Use/Privacy Policy](#).

Useful links:

www.sdms.org

www.ardms.org

Financial Aid Overview

Weatherford College is dedicated to the idea that no student wishing to pursue a college education should be denied that opportunity. In determining the need for financial assistance, the Financial Aid Office is guided by its estimate of each student.

You can check your financial aid status on [myWC](https://mywc.wc.edu/ics). (<https://mywc.wc.edu/ics>)

Please note, [myWC](https://mywc.wc.edu/ics) is now the primary way the financial aid office notifies you of your current financial aid status. You can view your awards or any missing information that we need for you will be available here. Every student who has applied for admission to the college has a student ID.

Student Refunds

For information, please refer to the following link:

<https://www.wc.edu/financial-aid>

Buying Books with Financial Aid

Students may be eligible to purchase books from our bookstore by charging to their student account. If you have already been awarded federal student aid and you have enough funds to pay for tuition and fees plus books, then you may use these funds to purchase books at the Texas Bookstore located in the Main campus in Weatherford.

Financial Aid Deadlines

All required documents including FAFSA, tax documents (if required), and other documents requested by the financial aid office must be received by the following dates.

For information, please refer to the following link:

<https://www.wc.edu/financial-aid>

- Failure to provide the required documents by the deadline could and will result in your aid not being ready to pay your bill on the deadline for bill payments. This means, you will need to make other financial arrangements such as a payment plan, cash, etc. with the business office or use the online payment system located in [myWC](https://mywc.wc.edu/ics).
- Simply completing the FAFSA by the deadline is NOT considered a complete file because there is more information required beyond the FAFSA application.

Financial Aid Advisors

Students are now assigned an advisor based on their last name. Please use **myWC** to check your status before contacting your advisor. If you need to email forms to us, you may do so are your own risk. Documents can be emailed to docs@wc.edu **PDF format only will be accepted** and make sure you have **signed** these documents.

| Advisor Name | Student Last Name | Advisor Contact Information |
|---|-------------------|--|
| <p>Peggy Rodgers High School Representative</p> | | <p>prodgers@wc.edu 817-598-6295 <i>Do not email documents directly to staff members</i></p> |
| <p>Lynda Shipman Financial Aid Advisor</p> | A through G | <p>lshipman@wc.edu 817-598-6295 <i>Email all documents to docs@wc.edu</i></p> |
| <p>Ginger Shelnett Financial Aid Advisor</p> | H through P | <p>gshelnett@wc.edu 817-598-6295 <i>Email all documents to docs@wc.edu</i></p> |
| <p>Christine Endy Financial Aid Advisor</p> | Q through Z | <p>cendy@wc.edu 817-598-6295 <i>Email all documents to docs@wc.edu</i></p> |
| <p>Lare Houston Financial Aid Clerk/Appeals</p> | | <p>lhouston@wc.edu 817-598-6295 <i>Do not email documents directly to staff members</i></p> |
| <p>Linda Wynn Financial Aid Clerk/Front Counter/</p> | | <p>lwynn@wc.edu 817-598-6295 <i>Do not email documents</i></p> |

| Advisor Name | Student Last Name | Advisor Contact Information |
|---|-------------------|--|
| <p>Terri Thompson Assistant Director/Loan Coordinator</p> <p>Rayanne Hukill F.A. Coordinator/Waivers and Exemptions</p> <p>Donnie Purvis, Director Tx Grant, WC scholarships</p> | | <p><i>directly to staff members</i></p> <p>tthompson@wc.edu 817-598-6295 <i>Do not email documents directly to staff members</i></p> <p>rhukill@wc.edu 817-598-6295 <i>Do not email documents directly to staff members</i></p> <p>dpurvis@wc.edu 817-598-6295 <i>Do not email documents directly to staff members</i></p> |

Application Process

The Office of Student Financial Assistance Weatherford College is committed to providing superior service to our students, and to fair and equitable treatment in awarding financial assistance. We are pleased to know that you have chosen WC and would like to help you in meeting the costs of attending college. If you have any questions about the application process, please contact our office at 817-598-6295 to speak to a Financial Assistance Advisor. Below you will see the application requirements for your classification:

Receipt of scholarship(s) can affect your financial aid package. To help us create the most current and accurate award, please notify your advisor if you **will be** receiving a scholarship during the Fall 2013 - Spring 2014 semesters.

For more information, please refer to the following link:

<https://www.wc.edu/financial-aid/application-process>

Verification

Verification is a process through which the Department of Student Financial Aid verifies the information you reported on your FAFSA. Federal regulations require all institutions to perform verification on a percentage of applicants who file for financial aid. Applicants are randomly selected for verification. If you are chosen for verification, you will be notified of the required documents through the email account you provided on the FAFSA form.

For more information, please refer to the following link:

<https://www.wc.edu/financial-aid/application-process>

Any discrepancies found by our department must be corrected and your financial aid eligibility may be affected. This process can delay your aid, so please respond immediately to any requests from our department. The verification process normally takes 10-20 days from the time the final document is turned in. Should you fail to submit all required documentation; financial aid will not be awarded and/or disbursed. If funds were disbursed prior to your selection for verification, they may be cancelled until your file is complete.

Additional Documentation

Students may be required to submit additional documentation even though they have not been selected for Verification. These documents may relate to citizenship status, veteran status, and/or orphan status. If requested, please submit the additional documentation immediately to the department because your aid can be delayed.

Tips for Completing the FAFSA

- Apply as early as possible! The FAFSA is available January 1 of each year.
- The fastest, easiest and most accurate way to apply is on-line at www.fafsa.ed.gov.
- List your school choices and their Title IV school codes. The Title IV School Code for WC is 003664.
- Complete all income and asset information. Do not leave it blank. If the answer is zero, enter a zero in the blank.
- Appropriate individuals (student and/or parent) must sign the FAFSA. Missing signatures will delay your processing. You must sign the FAFSA using your PIN number. To apply for a PIN, [visit the PIN web site](#). Both student and/or parent must use the PIN number for their electronic signature on the web based FAFSA application. If you do not sign with the PIN, then your application will be considered an error and will delay any processing time.
- Verify your answers and check for accuracy. Errors will delay the process.
- Make a copy of your completed FAFSA application. Retain a copy for your records.

FREQUENTLY ASKED QUESTIONS

Questions about Sonography as a profession

How much is the annual salary for graduates in this area?

See the following link from the Bureau of Labor Statistics:

<http://www.bls.gov/oco/ocos273.htm#earnings>

What is the career outlook for Sonographers?

See the following link from the Bureau of Labor Statistics:

<http://www.bls.gov/oco/ocos273.htm#outlook>

As a Sonographer, will I be exposed to needles and/or bodily fluids?

Yes. A Sonographer is involved in direct patient care which sometimes involves dealing with patient IV's, catheters, drainage tubes, colostomy bags, etc. There are certain sonography procedures that require fluid aspirations, contrast injections, biopsies, and tube placements. Some patients may experience nausea, vomiting, diarrhea, voiding, fainting, and cardiac arrest during a procedure. The Sonographer must be skilled in dealing with these conditions professionally when the patient is in the Sonographer's care.

Questions about the Weatherford College Diagnostic Medical Sonography Program

How do I apply for the Sonography Program?

Application requirements include the following:

- Submit Weatherford College application via ApplyTexas (*select General Studies as major*), official transcripts, and evidence of Texas Success Initiative or completion to the Office of Student Affairs.
- Complete Sonography Program prerequisites. Science courses (BIOL 2401 and 2402) must be current within the past 5 years at time of admission. *Program Director may grant a waiver for the time limit on science courses, by accepting the AP test through the testing center, on a case by case basis. This excludes courses over 10 years old.*
- Complete TEAS test (*must have a minimum score of 70% each on the reading comprehension and math sections*).
- Completed first Hepatitis B shot. We do not recommend the fast track in order to ensure readiness for clinical.
- Submit Allied Health Application to Allied Health Office, Office C with the following:
 - Official transcripts
 - TEAS scores
 - Proof of Hepatitis B vaccine (three dose series), proof of positive titer, or Dept. of State Health Services waiver. This is a 4 – 6 month process and **must** be completed prior to the Fall semester.
 - Consideration for credit for human medical work experience requires submission of training certificate, transcripts, and a resume with references.
- **Failure to meet application requirements will result in denial of application.**

When can I apply?

Applications for admission will be accepted beginning the first business day in December through the last business day of February each year.

What college physics class is required for the prerequisite?

PHYS 1401 or PHYS 1415

How long is the Sonography Program?

The Sonography Program lasts five semesters, or 22 months. It is a full-time program, Monday-Friday. Between classes and clinical, you will attend 5 days per week.

Can I work while I am a student in the program? Working during the program is highly discouraged. The program is academically intense and the amount of time a Sonography student must spend in the program and studying is significant. You should plan ahead for your financial situation. The amount of absences allowed are very low. It is also very important to have reliable and dependable transportation to and from clinicals.

What kind of schedule/hours can I expect to attend while in the program?

The Sonography Program lasts five semesters, or 22 months. It is a full-time program, Monday-Friday. Between classes and clinical, you will attend 5 days per week.

Can I complete the program on a part-time basis?

No. The Sonography Program is a full-time program offered during weekday, daytime hours.

Can I take classes in the evening?

No. The Sonography Program is a full-time program offered during weekday, daytime hours.

Is the program accredited?

The Weatherford College Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography.

Commission on Accreditation of Allied Health Education Programs
1361 Park Street
Clearwater, FL 33756
727-210-2350
www.caahep.org

How many students are accepted in the program? The goal for the program is to accept 15 students per year. This number may change depending on the availability of clinical sites for the program.

If I am an x-ray technologist or have an advanced degree, is there an accelerated plan for me to enter the program? Currently, there is not an accelerated degree plan offered. You must meet all of the application criteria to be selected for the program, and attend the entire program as offered. We may, however, accept you the physics courses for your program in lieu of our physics prerequisite. Please consult with the Program Director.

Is there a waiting list for the program if I do not get accepted? No, applicants are ranked within the pool for the year of application. If they do not get accepted and still wish to attend, they must reapply and meet all criteria the following year. They will however, receive points (with a cap) for reapplying. For further information, please contact the Program Director or Administrative Assistant.

Can I submit letters of recommendation? No. Letters of recommendation, resumes, etc. are not accepted.

Can I apply if I have not completed my prerequisites? Currently, you may still apply if you have completed all prerequisites or can provide proof that you are enrolled in the final prerequisite courses at the time of application; however, **you may only be considered for alternate status**. If you are accepted, it will be contingent on your completing the courses with a grade of “C” or higher. You will be assigned a grade of “C” for applicant ranking purposes. Please be aware that this policy may change in the future.

What is the minimum number of points I need to get admitted into the program? There is no way to predict this number because the applicant pool is different each year.

Questions about the Echocardiography Certificate Program

What is the Echocardiography Certificate? The Echocardiography Certificate is a two-semester, 24 credit hour program offered to provide graduates an opportunity to learn echocardiography. Admission is by selection only. Application to the program does not guarantee admission to the Echocardiography Certificate Program. The number of students admitted to this program is limited. Students admitted to the Echocardiography Certificate Program are selected on the basis of admission to the college, reading, writing, and math level, prior educational achievement, and health status. For specific application information and deadlines, contact the Sonography Program Director or the academic counselor.

Can I apply for the Echocardiography Certificate Program?

This course is offered every other year to graduates of a Diagnostic Medical Sonography program or credentialed sonographers who are interested in advanced training in echocardiography.

TEAS ENTRANCE TEST

The TEAS test is given in the Testing Center at Weatherford College, located in the Jack Knight Building. Please contact the Testing Center at 817-594-5471, ext. 6383 or directly at 817-598-6383 to schedule an appointment for your test. You are allowed to take the test twice within a six-month period. The cost of the test is subject to change. Information can be obtained by calling the testing center.

The *TEAS Study Manual* is available from our college bookstore or you may purchase it direct from the publisher @ www.atitesting.com/onlinestore

Tutorials/Workshops:

Weatherford College has tutorials for the TEAS in the Success Connection Office on campus. Please check for workshop dates at www.wc.edu → Instructional Support → Success Connection → COMPASS / NET / TEAS PREP

Web Sites:

www.math.com → Pre-algebra & Algebra
www.purplemath.com
www.atitesting.com

A free practice test may be found at the following web site:

www.testprepreview.com/nursing_practice.htm

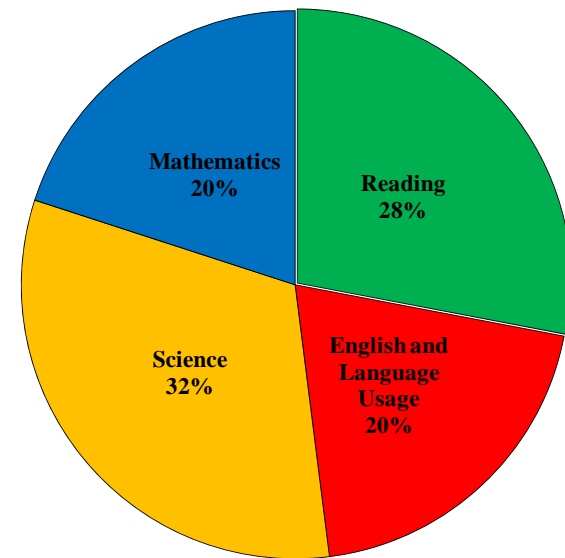


TEAS V[®]

Test of Essential Academic Skills

Test name: TEAS[®] V
Time limit: 209 minutes (Reading = 58 minutes; Mathematics = 51 minutes; Science = 66 minutes; English = 34 minutes)
Number of sections: 4
Number of questions: 170
Format: Four-option multiple-choice
Purpose: The Test of Essential Academic Skills (TEAS[®]) measures basic essential skills in the academic content area domains of reading, mathematics, science and English and language usage. The test is intended for use primarily with adult nursing program applicant populations. The objectives assessed on TEAS[®] V are those which nurse educators deemed most appropriate and relevant to measure entry level academic readiness of nursing program applicants.

| Content and Subcontent Areas | Number of Scored Questions | Percent of Test Questions |
|--------------------------------------|----------------------------|---------------------------|
| Reading | 42 | 28% |
| Paragraph and Passage Comprehension | 19 | 13% |
| Informational Source Comprehension | 23 | 15% |
| Mathematics | 30 | 20% |
| Numbers and Operations | 19 | 13% |
| Algebraic Applications | 4 | 3% |
| Data Interpretation | 3 | 2% |
| Measurement | 4 | 3% |
| Science | 48 | 32% |
| Human Body Science | 11 | 7% |
| Life Science | 15 | 10% |
| Earth and Physical Science | 14 | 9% |
| Scientific Reasoning | 8 | 5% |
| English and Language Usage | 30 | 20% |
| Grammar and Word Meanings in Context | 15 | 10% |
| Spelling and Punctuation | 9 | 6% |
| Structure | 6 | 4% |
| | 150* | 100% |



*There are an additional 20 unscored pretest items

TEAS®-V Objectives

The following list contains objectives that may be assessed on TEAS®-V.

READING (28% of entire test)

Paragraph and Passage Comprehension (13% of entire test)

- Identify appropriate primary sources, including Internet sources.
- Analyze the use of topic and summary sentences.
- Distinguish between fact and opinion, biases, and stereotypes.
- Identify the logical conclusion given a reading selection.
- Identify topic, main idea, supporting details, and themes.
- Identify the author's intent to persuade, inform, entertain, or express feelings from a given statement or set of statements.
- Use prior knowledge to make predictions, inferences, and draw conclusions about a piece of literature.
- Analyze and evaluate the use of text structure (e.g., sequence, problem-solution, comparison-contrast, description, cause-effect).
- Identify the author's position and purpose for writing the text.
- Identify the characteristics of different passage types (e.g., narrative, expository, technical, persuasive).
- Interpret the possible influences of the historical context on a literary work.
- Recognize ways that literature from different cultures presents similar themes differently across genres.

Informational Source Comprehension (15% of entire test)

- Follow a given set of directions.
- Identify the correct definition of a word when given the word in context and a sample dictionary entry in which the definition of the word may be found.
- Demonstrate understanding of a label's ingredients and directions by selecting the product best suited for a specific purpose when given a choice of consumer products, inclusive of food and medicine.
- Identify specific information from a printed communication (e.g., a memo, posted announcement, or classified ad).
- Identify from an index or table of contents the page or pages of a publication where specified information may be found.
- Identify the appropriate source for locating information given a specific topic and a list of information sources (e.g., road atlas, card catalog, dictionary, owner's manual, database, encyclopedia).
- Analyze the use of headings and subheadings.
- Analyze and use text features (e.g., bold text).
- Identify appropriate information from a graphic representation of information.
- Identify scale readings when given a picture of a standard measurement instrument.
- Use the legend and key of a sample map to identify specified information.
- Identify which product information supports a conclusion that one product is the more economical buy when given descriptions of like products of comparable quality and product

information (e.g., quantity, delivery charges, costs).

- Identify specified information from a sample yellow page from a telephone book.
- Identify specified information from a sample listing of items and costs (e.g., a menu, movie listings, costs for different groups of people).

MATHEMATICS (20% of entire test)

Numbers and Operations (13% of entire test)

- Convert between percents, fractions, and decimals.
- Identify the correct decimal placement in a product when given a multiplication problem involving decimal numbers (includes division).
- Calculate percents (e.g., percent of a number, the percent increase or decrease).
- Solve word problems involving percentages.
- Use mathematical reasoning or computational procedures to solve one- or two-step word problems with fractions or decimals.
- Divide two fractions or mixed numbers (includes multiplication).
- Add two fractions or mixed numbers with unlike denominators (includes subtraction).
- Use mathematical reasoning or computational procedures to solve one- or two-step word problems with whole numbers.
- Solve word problems involving ratios, proportions, and rate of change.
- Estimate the solution to a problem.
- Subtract whole numbers with regrouping.
- Convert irrational numbers into approximate decimal form and vice versa
- Convert between Roman and Arabic numerals.
- Determine the amount of take-home pay when given a salary and the deductions for a stated period of time.
- Identify the cost of a given set of items, exclusive of tax, given an advertisement, menu, or other price list.

- Reconcile a checking or savings account when given the previous balance and transactions for a period of time.
- Apply the order of operations.
- Determine, when given information about an event, the quantity of material needed or cost of planning an event.
- Compare and order rational numbers.

Algebraic Applications (3% of entire test)

- Solve equations with one unknown (e.g., whole numbers, ratios).
- Add, subtract, multiply, and divide polynomial terms.
- Translate word phrases and sentences into expressions, equations, and inequalities and vice versa.
- Solve equations or inequalities involving absolute values.

Data Interpretation (2% of entire test)

- Organize data using tables, charts, and graphs.
- Read and interpret data from line, bar, or circle graphs.
- Determine the dependent and independent variables of a given set of data.

Measurement (3% of entire test)

- Convert quantities from one measurement scale to another measurement scale.
- Estimate metric quantities.
- Use appropriate units of measure and measurement tools to accurately measure the length, weight, height and volume of an object.
- Determine a measurement based on another given measurement (e.g., use a scale on a map to determine the distance between two cities)



SCIENCE (32% of entire test)

Human Body Science (7% of entire test)

- Describe the functions of the circulatory system.
- Describe the functions of the digestive system.
- Describe the functions of the nervous system.
- Describe the functions of the respiratory system.
- Describe the functions of the immune system.
- Describe the general anatomy and physiology of a human.
- Explain that populations grow or decline through the combined effects of births and deaths, and through emigration and immigration.
- Identify various factors that influence birth rates and fertility rates.

Life Science (10% of entire test)

- Explain the process of natural selection and adaptation.
- Explain the biological classification system.
- Identify parts of a cell and its function (e.g., energy production, transportation of molecules, waste disposal, synthesis of new molecules, storage of genetic material).
- Identify the structure and function of cellular organelles.
- Explain that cells can differentiate.
- Compare and contrast mitosis and meiosis.
- Compare and contrast photosynthesis and respiration.
- Describe the structures and functions of nucleic acids, to include DNA and RNA.
- Explain that changes in DNA (mutations) occur spontaneously at low rates, and that only mutations in the germ cell can create the variation that changes an organism's offspring.
- Describe how RNA and DNA are involved in cell replication.
- Explain that heredity information is stored in genes.

- Compare and contrast chromosomes, genes, proteins, RNA, and DNA.
- Describe the differences between phenotypes and genotypes.
- Apply Mendel's laws of genetics and the Punnett square.

Earth and Physical Science (9% of entire test)

- Identify the sun as the major external source of energy.
- Balance and identify important chemical reactions, including oxidation/reduction and acid/base reactions.
- Identify the purpose of catalysts.
- Recognize that enzymes are protein molecules.
- Use pH scale to identify acid and base solutions.
- Identify chemical bonds between atoms in common molecules (e.g., common hydrocarbons).
- State the chemical properties of water.
- Distinguish among kinetic energy, potential energy, and other energy contained by a field.
- Identify the measurable properties of atoms, including mass and electrical charge.
- Identify protons, neutrons, and electrons as major components of an atom.
- Explain that chemical bonds result when electrons are shared or transferred between atoms.
- Explain the physical and chemical patterns within the Periodic Table of Elements.
- Explain the difference of the atoms or molecules in liquids, gases, and solids.
- Compare and contrast evaporation, vaporization, and condensation.

Scientific Reasoning (5% of entire test)

- Identify questions and concepts that guide scientific investigations, including formulation and testing of hypotheses
- Use technology and mathematics to improve investigations and communications.
- Formulate and revise scientific explanations (including conclusions) and models using logic and evidence.
- Recognize and analyze alternative explanations and models.
- Communicate and defend a scientific argument.
- Identify reasons for conducting investigations.
- Identify reasons for including technology and mathematics in science research.

ENGLISH AND LANGUAGE USAGE
(20% of entire test)**Grammar and Word Meanings in Context**
(10% of entire test)

- Use grammar for a stylistic effect and to enhance clarity in writing.
- Apply subject-verb agreement rules.
- Apply pronoun-antecedent agreement rules.
- Identify and use different parts of speech (e.g., possessives, pronouns, adjectives, adverbs, verbs).
- Use dialogue correctly.
- Use first, second, and third person narrative voice.
- Use context clues to determine the meaning of words or phrases.
- Determine the meaning of words by analyzing word structure; identifying roots, prefixes, suffixes; and using word origins (e.g., Anglo-Saxon, Latin, Greek).

Spelling and Punctuation (6% of entire test)

- Apply rules of spelling (including homophones, irregular plurals, and contractions).
- Correct misspelled words.
- Apply the rules of capitalization.
- Apply the rules of ellipses, commas, semicolons, colons, hyphens, and parentheses.
- Apply the rules of quotation marks and apostrophes.

Structure (4% of entire test)

- Demonstrate sentence fluency by techniques such as varying beginnings, lengths, and patterns of sentences; creating sentences that flow together well; and using a variety of sentence structures.
- Use sentences (usually 5 or more) to form organized and logical paragraphs.
- Write simple sentences (e.g., identify, correct, or complete simple sentences).

TEAS-V Sample Questions

The following questions are sample multiple-choice questions. These questions should not be interpreted as representing the difficulty or exact content covered on the TEAS. The correct answers are at the end of these practice questions.

READING SAMPLE QUESTIONS

Read the following passage and answer questions 1 and 2.

The 2,315-mile Missouri River tops this year's list of the "10 Most Endangered Rivers in North America," compiled annually by the conservation group American Rivers. The "Big Muddy" has been dammed, channeled, and diked to the point that one-fifth of the species native to the river and its floodplain are now classified as endangered, threatened, or of special concern, according to American Rivers. The other nine rivers on the list are New York's Upper Hudson, Washington's White Salmon, California's San Joaquin, Wisconsin's Wolf River, Arizona's Pinto Creek and Potomac, Ohio's Mill Creek, the Lower Colorado and the Tennessee River.

1. Which of the following may be concluded from the passage?
 - A. Wolf River is located in Washington, DC.
 - B. Bodies of water with "creek" in their names are not rivers.
 - C. The damming, diking, and channeling of a river is detrimental to the organisms that inhabit it.
 - D. The rivers of North America have been found to be more endangered than those of South America.

2. A conservation group organizes for which of the following principal purposes?
 - A. Collecting data for scientific research
 - B. Saving rain forests
 - C. Channeling rivers
 - D. Preserving nature



MATHEMATICS SAMPLE QUESTIONS

3. Thirty percent of the students in a mathematics class received an “A.” If 18 students received an “A,” which of the following represents the number of students in the class?
- A. 18
 - B. 30
 - C. 54
 - D. 60

4. A student earns \$1,280.50 each month at a part-time job. The student pays the following amounts for expenses each month:

| | |
|----------------|----------|
| Rent..... | \$350.00 |
| Food..... | \$320.00 |
| Utilities..... | \$215.60 |
| Car expenses | \$240.00 |

After paying the monthly expenses listed above, which of the following represents the amount of money the student has left for other expenses?

- A. \$106.70
- B. \$154.90
- C. \$1,075.60
- D. \$1,125.60

SCIENCE SAMPLE QUESTIONS

5. Which of the following characteristics is a property of bases?
- A. Taste sour
 - B. Dissolve metals
 - C. Turn blue litmus red
 - D. Liberate OH^- in solution
6. The bladder is part of which of the following systems?
- A. Urinary
 - B. Nervous
 - C. Muscular
 - D. Cardiovascular



ENGLISH AND LANGUAGE USAGE SAMPLE QUESTIONS

7. The rapacity of our vile, disgusting, and despicable stepfather was not satisfied until he had taken all that we had.

Which of the following words are redundant in the sentence above?

- A. rapacity, vile
- B. vile, disgusting
- C. rapacity, despicable
- D. disgusting, despicable

8. Jennifer mailed a sympathy card to the family of the dead man in a hurry.

Which of the following phrases is misplaced in the sentence above?

- A. in a hurry
- B. to the family
- C. of the dead man
- D. Jennifer mailed a sympathy card

SOLUTIONS TO SAMPLE QUESTIONS

| Sample Question Number | Answer |
|------------------------|--------|
| 1 | C |
| 2 | D |
| 3 | D |
| 4 | B |
| 5 | D |
| 6 | A |
| 7 | B |
| 8 | A |