# Miguel Gonzalez, BSMT, MT (ASCP), RMA(AMT)

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**OBJECTIVE** 

To obtain a position in the health care or education to use my skills as a Medical Technologist / educator to build my leadership skills and grow in the company.

WORK OF EXPERIENCE

- June 2013 to Present Scott and White Baylor Irving, Texas Job Title: Medical Technologist /PRN

Duties: Microbiology: Clia Waived manual test such as: Influenza test, Strep test, Mono Test, RSV Test and Clostridium Dif Test, and HIV test. Performed daily QC. Stool WBC screen test. Hematology: WBC differential, Sed Rate (ESR Auto Plus), Operate and Perform hematology test on: Sysmex XE 5000, Sysmex XS 1000i. Performed daily QC and maintenance. Perform body fluid microscopic analysis. Prepare cytospin slides. Chemistry: Operate and Perform chemistry test on: Abbott I-Stat, Precision Xceed Pro, Siemens Dimension Vista 1500, Siemens Dimension Vista 500, Beckman Coulter Access 2, mini Vidas. Performed daily OC and maintenance. Coagulation: Operate and perform coagulation test on: ACLTOP CTS 300, TEG 5000. Perform daily maintenance and QC. Urinalysis: Manual Urine Pregnancy Test, Manual Serum Pregnancy Test, Perform manual urine dipstix chemistry, perform microscopic urinnalysis, perform and operate clinitek Advantus. Perform daily maintenance and QC. Perform reducing substances. Perform urine eosinophil microscopic analysis, perform and operate the advance micro osmometer model 300. Perform and operate FFN on Adeza TLi Qi, Perform and operate Verify Now System. Perform wet prep microscopic analysis. LIS: Softlab. Specimen processing: received specimen, order specimen, spin and process specimen.

June 2007 to Present El Centro College Dallas, Texas
 Job Title: Allied health adjunct instructor
 Duties: Teach pre requisite skills to allied health students and nurse such as vital sign, safety, and personal protective equipment.

-August 2004 to Present School for Health Professions Dallas, Texas Job Title: Health Science Technology Education instructor Duties: Teach students basic lab skills such as capillary puncture, hematocrit levels, hemoglobin, RBC count, WBC count, differential, basic blood typing and glucose level. Instruct students on the basic of infection control. Instruct student how to use personal protective equipment. Teach students the health science TEKS. Develop the phlebotomy technician program and EKG technician program.

- April 2000 to Present Baylor University Medical Center Dallas, Texas
   Job Title: Generalist Medical Technologist
   Duties: Urinalysis, Chemistries, Toxicology, HIV testing, Hepatitis Testing,
   Donor profiles, Immunology testing, phlebotomy, and receiving samples
- 1997-1998 Dr. Douchouquette, Dallas, Texas
  Job Title: Certified Medical Assistant/ X-ray tech
  Duties: Vital signs, Injections, lab work, specimen processing, specimen
  collection, EKG, Assist in Doctor in minor surgeries, First AID and X-rays.

#### **EDUCATION**

- -August 2013 December 2015 University of Alabama Degree earned: Master of Art in Health Studies
- August 2004 May 2005 University of North Texas Denton , Texas Degree/ Certificated earned: Teacher Certification
- -January 1999- January 2000 Tarleton State University Ft Worth, Texas Degree/ Certificate earned: Medical Technology certificate
- -January 1997 May 2000 University of North Texas Denton , Texas Degree earned: Bachelor of Science in Medical Technology
- -August 1994- December 1996 Mountain View College Dallas , Texas Degree earned: Associate of Arts and Sciences
- -August 1989- May 1993 High School for Health Profession Dallas, Texas Degree earned: High School Diploma

#### Awards

Teacher of the year

2008

#### Curriculum Vitae

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#### Education

- Master of Art, Health Studies, University of Alabama, Tuscaloosa, AL, Dec 2015
- Certificate, Health Science Education Technology, University of North Texas continuing education, Denton, Texas, June 2006
- Bachelor of Science, Medical Technology, minor in Chemistry and Biology, University of North Texas, Denton, Texas, May 2000
- Certificate, Medical Technology, Tarleton State University, Ft. Worth, Texas, Jan 2000
- Associate of Arts and Liberal Sciences, Mountain View College, Dallas, Texas, Dec 1996

#### **Academic Honors and Awards**

• Teacher of the Year 2008

## **Academic/ Teaching Experience**

-Adjunct Faculty, El Centro College, Dallas, TX, 2007 to present

#### **HPRS 1204: Health Professional Related Skills**

- Teach students to:
  - o Apply problem-solving methods.
  - o Identify the components of Universal/ Standard precautions.
  - o Apply HIPAA concepts to patient care.
  - o Employ various test taking strategies.
  - o Practice safety precautions.
  - o Demonstrate safety precaution for body mechanics and patient transfer.

- o Discuss the proper use of restraints.
- o Discuss, analyze, and apply professionalism in healthcare.
- o Apply principles of therapeutic communication techniques.
- Discuss general procedure of performing dipstick urine and stool occult blood test and interpret results.
- Identify normal ranges for temperature, pulse, respiration, blood pressure, oxygen saturation.
- Use various methods of documenting patient care.
- o Demonstrate computer skills in use of eCampus course site.
- o Discuss various methods oxygen administration.
- o Discuss use of an incentive spirometer.
- o Discuss use of a peak flow meter.
- o Demonstrate the use of medical terminology.
- o Perform a physical assessment.
- o Practice Universal/ Standard precautions concepts including hand washing and correct application of PPE.

## HPRS 2210: Health Related Professional Skills II

- Teach students to:
  - o Perform a complete body systems assessment sing the head to toe method.
  - o Develop a written patient teaching plans.
  - o Identify basic cardiac arrhythmias.
  - o Perform a 12 lead EKG.
  - o Perform a proper fingertip capillary technique.
  - o Check off proper venipuncture technique.
  - o Demonstrate proper venipuncture technique for I. V. catheter placement and management.
  - o Identify information contained in the medical record.
  - o Demonstrate basic first aid skills.
  - o Apply principles of Universal/ Standard Precautions.

## **MDCA 1352: Medical Assistant Laboratory Procedures**

- Teach students to:
  - o Apply principles of infections control and aseptic technique.
  - o Instruct and prepare patients for procedures.
  - Use principles of quality control during all phases of preparation and testing.
  - Collect and process specimens of blood and body fluids as allowed under CLIA 88 regulations.
  - o Perform selected test that assist with diagnosis and treatment.
  - Document all testing accurately and correctly while complying with all legal requirements.
  - Operate the equipment properly and maintain it according to manufacturer's specifications.

- o Inventory laboratory supplies and keep log of supplies used.
- Keep proper records of all testing as required by Federal and State regulations.
- o Screen and follow up with patient test results.

## -Adjunct Faculty, El Centro Continuing Education, Dallas, TX, Fall 2015

#### **Pathophysiology**

- Teach students to:
  - o Discuss the mechanisms of disease, diagnosis, and treatment.
  - o Discuss developmental, congenital, and childhood diseases and disorders.
  - o Identify within each body system:
    - Common diseases
    - Signs and symptoms
    - Etiology
    - Diagnostic process
    - Treatment
    - Prognosis
  - o Discuss mental disorders
  - o Discuss disorders and conditions resulting from trauma.

### **Medical Terminology**

- Teach students to :
  - o Identify and describe the major organs systems of the body
  - o Describe the major diseases and disorders affecting each body system.
  - Define word roots, combining forms, prefixes, and suffixes of medical terms.
  - Define new and unfamiliar words by analyzing the elements of medical terminology.
  - o Master pronunciation and spelling of common medical words.
  - Evaluate and interpret medical records and other forms of medical communication.
- **-Health Science Education Instructor,** School for Health Professions (Dallas ISD), Dallas, Tx, 2004- present

#### Biology

- Teach students to:
  - o Demonstrate safe practices during laboratory and field investigations.
  - Demonstrate an understanding of the user and conservation of resources and proper disposal or recycling of materials.
  - Use scientific methods and equipment during laboratory and field investigations.

- Use critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside classroom.
- o Identify the basic structures of all living things with specialized parts that perform specific functions and that viruses are different from cells.
- o Know how an organism grows and the importance of cell differentiation.
- Know the mechanisms of genetics, including the role of nucleic acids and the principles of Mendelian Genetics.
- Know evolutionary theory is a scientific explanation of the unity and diversity of life.
- Know that taxonomy is branching classification based on the shared characteristics of organism and can change as new discoveries are made.
- o Know the significance of various molecules involved in metabolic processes and energy conversions that occur in living organisms.
- o Know that biological system work to achieve and maintain balance.
- Know that interdependence and interactions occur within an environmental system.

## **Anatomy and Physiology**

- Teach students to:
  - Use scientific methods and equipment during laboratory and field investigations.
  - Use critical thinking, scientific reasoning, and problem solving to make informed decisions within and outside the classroom.
  - Evaluate the energy needs of the human body and the processes through which these needs are fulfilled.
  - Differentiates the responses of the human body to internal and external forces.
  - o Examine the body processes that maintain homeostasis.
  - o Examine the electrical conduction processes and interactions.
  - o Explore the body's transport systems.
  - o Investigates structure and function of the human body.
  - o Describes the process of reproduction and growth and development.
  - o Recognize emerging technological advances in science.

#### **Health Science**

- Teach students to:
  - o Apply mathematics, science, English language arts, and social studies in health science.
  - o Display verbal and non-verbal communication skill.
  - Analyze and evaluate communication skill for maintaining healthy relationships throughout the life span.
  - o Relate appropriate information to the proper authority.
  - o Identify document integrated into the permanent record of the health informatics system.

- Describe academic requirements necessary for employment in the health science industry.
- o Identify problems and participates in the decision-making process.
- Implements the knowledge and skills of health science professional in the clinical setting.
- Evaluate ethical behavioral standards and legal responsibilities.
- o Exhibit the leadership skill necessary to function in a democratic society.
- o Maintain a safe environment.
- o Assess wellness strategies for the prevention of disease.

## Pathophysiology (Dual Credit)

- Teach students to:
  - Use scientific methods and equipment during laboratory and field investigations.
  - Use critical thinking, scientific reasoning, and problem solving to make informed decision within and outside the classroom.
  - o Analyze the mechanisms of pathology
  - o Examine the process of pathogenesis.
  - o Examine a variety of human diseases.
  - o Integrates the effects of disease prevention and control.

#### **Practicum in Health Science**

- Teach student to:
  - Apply mathematics, science, English language arts and social science in health science.
  - Use verbal and non-verbal communication skills.
  - o Implements the knowledge and skills of a health science professional necessary to acquire and retain employment
  - o Employ ethical behavior standards and legal responsibilities.
  - o Analyze the role of health science team member.
  - o Employ a safe environment to prevent hazardous situations.
  - Explore the knowledge and skill level necessary for advancing in the health science professions.
  - o Implement skills in monitoring individual health status during therapeutic or diagnostic procedures.
  - o Documents technical knowledge and skills.

#### **Courses Taught**

## **High School**

- Pre- AP Biology
- Anatomy and Physiology

- Health Science- Diagnostic
- Medical Lab I
- Medical Lab II (Phlebotomy and EKG)
- Pathophysiology (Dual credit)

## College

- Medical Assistant Laboratory Procedures
- Health Related Professional Skills I
- Health Related Professional Skills II

# **Continuing Education**

- Medical Terminology
- Pathophysiology

## **Professional Affiliations**

- HOSA Adviser: Health Occupation Students America 2016
- American Society For Clinical Laboratory Science 2016
- Association of Texas Professional Educators 2016