

CERTIFICATE OF COMPLETION

A certificate of completion is awarded to any student who completes a prescribed program of study in:

- Accounting
- Basic Firefighter
- Business Administration
- Child Care Provider/Assistant
- Cosmetology
- Database Programming
- Emergency Medical Technician-Basic
- Emergency Medical Technician-Paramedic
- Equine Production & Mgmt.
- Gaming Design & Programming
- Information Systems
- Law Enforcement Officer
- Network Systems
- Phlebotomy
- Substance Abuse Counseling
- Veterinary Assisting
- Vocational Nursing
- Web Development

A certificate of completion will also be awarded to students who complete an approved course or program in the Continuing Education division.

In addition, the following are provided within the department for completion of specific technical skills courses:

- Echocardiography Certificate
- Mammography certificate – offered through Continuing Education.
- Program of Completion for Substance Abuse Prevention Specialist – within the Substance Abuse Counseling certificate program.

LIFE SCIENCES

Lisa Welch, Department Chair
Academic Building (ACAD), RM 210
817-598-6291

Biology majors should see page 92 for Associate in Science degree requirements.

MATHEMATICS

Shirley Brown, Department Chair
Faculty Offices (FACL), RM 101f
817-598-6330

Mathematics majors should see page 92 for Associate in Science degree requirements.

MEDICAL LABORATORY TECHNOLOGY A.A.S.

Advanced Placement - Tarleton State University

Michele McAfee Ph.D., MT(ASCP) (SC)^{CM}

Clinical Coordinator

Tarleton State University

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Weatherford College in partnership with Tarleton State University, a part of the Texas A & M University System, offers prerequisite courses for the Medical Laboratory Technician Certification program through Tarleton State University's Department of Clinical Laboratory Sciences in Fort Worth, Texas.

The Medical Laboratory Technician (MLT/CLT) is a laboratory professional that performs analyses of patient specimens in all areas of the clinical laboratory including, hematology, clinical microbiology, clinical chemistry, immunology, urinalysis and immunohematology. Test results assist physicians in the diagnosis and monitoring of patient diseases such as diabetes, heart disease, kidney disease, infectious disease, malignancies and other disease states. Medical Laboratory Technicians must be dedicated and self-motivated and be able to work independently, think analytically, exhibit manual dexterity, and must be willing to perform as an integral part of the health care team. Current shortages of laboratory personnel in Texas and the nation offer Medical Laboratory Technicians many employment opportunities.

Upon completion of 32-35 hours of required courses from Weatherford College, students will complete 37 hours of sophomore level courses at Tarleton State University for the degree. The sophomore courses comprising the technical program will be taken in Fort Worth at the Schaffer Building and affiliated clinical hospital sites. These courses will comprise the certification portion of the degree plan. Students are admitted at the beginning of each semester; the program's technical courses are completed in 15 months. After successful completion of the program, students are eligible for the Associate of Applied Science degree in Medical Laboratory Technology awarded by Tarleton State University and are also

eligible to apply for the Medical Laboratory Technology (MLT) national certification exam administered by the American Society for Clinical Pathology (ASCP) Board of Registry. Acceptance into the program is on a competitive basis.

The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), in cooperation with the Commission on Accreditation of Health Science Education programs (CAAHEP) and the American Medical Association (AMA).

PREREQUISITE COURSES FOR MEDICAL LABORATORY TECHNOLOGY, TAKEN AT WC INCLUDE

BIOLOGY

Option 1	BIOL 2401	Anatomy and Physiology I
	BIOL 2402	Anatomy and Physiology II
	BIOL 2421	Microbiology
Option 2	BIOL 1406*	General Biology I
	BIOL 1407*	General Biology II
	BIOL 2421	Microbiology

CHEMISTRY

Option 1	CHEM 1411	General Chemistry I
	HPRS 1206	Medical Terminology
Option 2	CHEM 1411*	General Chemistry I
	CHEM 1412*	General Chemistry II

ENGLISH

ENGL 1301	Composition I
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PSYCHOLOGY

PSYC 2301	Introduction to Psychology
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SPEECH

Option 1	SPCH 1321	Business and Professional Speaking
Option 2	SPCH 1311	Fundamentals of Speech

MATH

Option 1	MATH 1314	College Algebra
Option 2	MATH 1332	Contemporary Mathematics

ELECTIVE

Language, Philosophy & Culture and Fine Arts Elective

*Students planning to articulate from the Medical Laboratory Technology, Associate of Applied Science Degree to the Clinical Laboratory Science, Bachelor of Science Degree should choose BIOL 1406, 1407, and CHEM 1411, 1412.

REQUIRED MEDICAL LABORATORY COURSES TO BE TAKEN IN FORT WORTH THROUGH TARLETON STATE UNIVERSITY AND AFFILIATED CLINICAL SITES

Fall Semester:

MLAB 282	Introduction to Medical Laboratory Sciences (1)
MLAB 264	Introduction to Immunology/Serology (3)
MLAB 244	Introduction to Immunohematology (4)
MLAB 274	Laboratory Operations (4)
MLAB 294	MLT Field Practicum I (1)

Spring Semester:

MLAB 276	Introduction to Clinical Chemistry (4)
MLAB 224	Introduction to Hematology (4)
MLAB 228	Coagulation (2)
MLAB 295	MLT Field Practicum II (1)

Summer Semester:

MLAB 234	Introduction to Medical Microbiology (5)
MLAB 214	Introduction to Urinalysis (2)
MLAB 293	MLT Field Practicum III (1)

Fall Semester:

MLAB 292	MLT Field Practicum IV (2)
MLAB 285	Advanced Topics and Capstone Review (2)

Students may begin the Medical Laboratory Technology program during a fall, spring, or summer semester. Completion of Weatherford College Phlebotomy Program transfers as MLAB 282 in the MLT curriculum.

MUSIC – JAZZ BAND & CHOIR

www.wc.edu/programs

Cal Lewiston, Department Chair

Fine Arts Building (FINE), RM 107-B
817-598-6338

Music majors should see page 90 for Associate in Arts degree requirements.

NURSING

www.wc.edu/programs

ASSOCIATE DEGREE NURSING - see page 101

Cheryl Livengood, Program Director

Business Building (BUSI), RM 101
817-598-6309 • clivengood@wc.edu

Tola Plusnick, WC Assistant Program Director

Business Building (BUSI), RM 110
817-598-6434 • tplusnick@wc.edu

Christy Bowen, Wise County Campus Assistant Program Director

Wise County Campus
940-627-3272 • cwbowen@wc.edu

VOCATIONAL NURSING - see page 156

Nita Parsons, Program Coordinator

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practice; however, state licenses are usually based on the results of the NBCOT certification examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

PHLEBOTOMY

www.wc.edu

Nina Maniotis, Program Director

BUSI Ste. 105, Room 111

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The Phlebotomy Technician (PBT) is a laboratory professional that performs venipuncture and dermal puncture on patients. The majority of diagnostic medical decisions are based on laboratory test results, emphasizing the critical role of the phlebotomy professional. Other duties may include computer entry, Point of Care testing, Quality Control on CLINITEK and POC instruments, microscope and centrifuge cleaning, CLIA waived category testing including Occult Blood and Urine Chemical, bacterial culture set-up, and collection of drug screens and genetic screens. Phlebotomy Technicians must be motivated, dexterous, dependable, able to work independently and as part of a health care team. Phlebotomy Technicians may seek employment opportunities in hospitals, clinics, patient service collection centers, plasma centers, or blood donor collection facilities; they may also combine phlebotomy with a Medical Assistant certificate and work in a physician's office. Upon successful completion of the program, students are eligible for the Phlebotomy (PBT) national certification exam administered by the American Society for Clinical Pathology (ASCP) Board of Registry. The program is approved by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

*This is a WECM LEVEL I CERTIFICATE eligible for federal financial aid for those who qualify. An articulation agreement exists to the Tarleton State University Medical Laboratory Technology Program for the course: MLAB 282 Introduction to Medical Laboratory Sciences (1); should the student decide to pursue a career as a Medical Laboratory Technologist, see page 137.

ADMISSION TO PHLEBOTOMY TECHNOLOGY

Admission to Weatherford College does not guarantee selective admission to Phlebotomy Technology. The number of students admitted is limited. Selection is based on admission to the college, Phlebotomy Compass Test scores, and proof of Hepatitis B immunity. The Phlebotomy Program accepts transfer of prior Medical Terminology college course work of at least 2 credit hours. For specific application information and deadlines, contact the Health and Human Sciences Department at 817-598-6217.

Criminal history disqualifications for admission:

- Felony convictions, misdemeanor convictions, or felony deferred adjudications involving crimes against persons.
- Misdemeanor convictions related to moral turpitude.
- Felony deferred adjudication for the sale, possession, distribution, or transfer of narcotics or controlled substances.
- Registered sex offenders.

PHLEBOTOMY TECHNOLOGY

16 semester hours required for completion

HPRS	1206	Essentials of Medical Terminology	2
HPRS	2321	Medical Law and Ethics for Health Professionals.....	3
PLAB	1491	Special Topics in Phlebotomy/Phlebotomist	4
PLAB	1323	Phlebotomy.....	3
PLAB	1460	Clinical Phlebotomy.....	4

TOTAL 16

PHYSICAL SCIENCES

Lori Gouge, Department Chair

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Astronomy, Chemistry, Geology, Meteorology and Physics majors should see page 92 for Associate in Science degree requirements.

PHYSICAL THERAPIST ASSISTANT, A.A.S.

www.wc.edu/programs

Cindy Lavine, Program Director

Education Center at Mineral Wells

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Physical therapist assistants (PTAs) work as part of a team to provide physical therapy services under the direction and supervision of the physical therapist. PTAs assist the physical therapist in the treatment of individuals of all ages, from newborns to the very oldest, who have medical problems or other health-related conditions that limit their abilities to move and perform functional activities in their daily lives. PTAs perform treatment procedures that involve the therapeutic use of heat, cold, electromagnetic radiations, traction, compression, water, massage, ultrasound and therapeutic exercise, and assist the physical therapist with evaluative procedures. PTAs provide care for people in a variety of settings, including hospitals, private practices, outpatient clinics, home health agencies, schools, sports and fitness facilities, work settings, and nursing homes.

The Weatherford College Physical Therapist Assistant (PTA) Program leads to an associate in applied science degree and encompasses an approximate twenty-one month course of study. The curriculum balances general educational and technical courses with supervised clinicals at hospitals and private clinics. These combined experiences provide students with an opportunity for educational development as well as occupational competence. PTAs must graduate from a CAPTE-accredited PTA program and licensure is required in the State of Texas. This program is offered at the Education Center at Mineral Wells.

ADMISSION TO THE PHYSICAL THERAPIST ASSISTANT PROGRAM

Admission to Weatherford College does not guarantee admission to the Physical Therapist Assistant (PTA) Program. Because clinical space is limited, the number of students admitted to this program is limited. Students admitted to the PTA Program are selected on the basis of admission exam score, academic record, references, interview, a writing sample and completion of a specified number of

theory. For life science majors and pre-professional students. Prerequisites: MATH 1314, or MATH 1414, or permission of the instructor. Three hours lecture and three hours lab per week.

PHYS 1402 – Physics II (40.0801.53 03) 4 semester hours (3-3-0)

Algebra and trigonometry-based applications of sound, electricity, magnetism, and light. For life sciences majors and pre-professional students. Prerequisite: PHYS 1401. Three hours lecture and three hours lab per week.

PHYS 1403 – Stars and Galaxies (40.0201.51 03) 4 semester hours (3-3-0)

An introduction to the physical characteristics and motions of the stellar and galactic systems. Open to all students of the college, suggested for non-science majors. Evening laboratory sessions will be held in order for students to use the telescopes to make observations with telescopes. Three hours lecture and three hours lab per week.

PHYS 1404 – Solar System (40.0201.52 03) 4 semester hours (3-3-0)

An introduction to the physical characteristics and motions of bodies in the solar system. Open to all students of the college, suggested for non-science majors. Evening sessions will be held in order for students to use the telescope to make observations with telescopes. Three hours lecture and three hours lab per week.

PHYS 1415 – Physical Science I (40.0101.51 03) 4 semester hours (3-3-0)

A study of mechanics, heat, light, sound, electricity, and magnetism. Open to all students of the college, suggested for elementary education majors. PHYS 1415 and 1417 may fulfill the degree requirement of eight semester hours of lab science for majors in a college of education or in a college of business administration, but does not count towards most university lab science requirements. Three hours lecture and three hours lab per week.

PHYS 1417 – Physical Science II (40.0101.51 03) 4 semester hours (3-3-0)

A study of selected items of chemistry and geology. Suggested for elementary education majors, open to all students of the college. Three hours lecture and three hours lab per week.

PHYS 2425 – University Physics I (40.0101.54 03) 4 semester hours (3-3-0)

A calculus-base course for engineering and science majors. Mechanics and heat. Prerequisites: One year of high school or college physics, and MATH 2413 which may be taken concurrently. Three hours lecture and three hours lab per week.

PHYS 2426 – University Physics II (40.0101.57 03) 4 semester hours (3-3-0)

Wave theory, electrostatics, electricity, magnetism, and light. Prerequisite: Physics 2425. Three hours lecture and three hours lab per week.

PLAB/PHLEBOTOMY TECHNOLOGY

PLAB 1491 – Special Topics in Phlebotomy (51.1009) 4 semester hours (3-4-0)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation, and relevant to the professional development of the student. Corequisites: HPRS 2321, PLAB 2321, HPRS 1206, PLAB 1323. Three lecture hours weekly and one lab.

PLAB 1323 - Phlebotomy (51.1009) 3 semester hours (2-4-0)

This class emphasizes skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Both venipuncture and dermal puncture are covered, along with blood culture

collection. Devices used include vacuum collection, syringe, winged-collection, and capillary tubes. Topics include, but are not limited to, infection control, patient identification, special patient populations, specimen labeling, quality assurance, confidentiality, specimen handling, professionalism, ethics, and customer service. Corequisites: PLAB 1460, PLAB 1491, HPRS 1206, and HPRS 2321. 6 contact hours per week

PLAB 1460 – Clinical (51.1009) 4 semester hours (0-0-19)

Clinical internship enables the student to apply specialized laboratory knowledge and skills in a clinical setting. Direct supervision is provided by clinical laboratory professionals. Corequisites: HPRS 1206, HPRS 2323, PLAB 1491 and PLAB 1323. 19 contact hours per week.

POFI, POFT/OFFICE TECHNOLOGY

Web-enhanced online formats exist for almost all office course listings. Students may tour POFI and POFT online courses by going to www.wc.edu – click on online courses, then Office Technology.

POFI 1349–Spreadsheets (52.0407) 3 semester hours (2-4-0)

Skill development in concepts, procedures, and applications of spreadsheets. Two hours lecture and four hours lab per week.

POFT 1120–Job Search Skills (52.0401) 1 semester hour (0-2-0)

Skills to seek and obtain employment in business and industry. Two hours lab per week.

POFT 1127 – Introduction to Keyboarding (52.0408) 1 semester hour (0 -2- 0)

Skill development in keyboarding techniques. Emphasis on the development of acceptable speed and accuracy. Two hours lab per week.

POFT 1301 – Business English (52.0501) 3 semester hours (3-0-0)

Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business. Three hours lecture per week

POFT 1325 – Business Math Using Technology (52.0408) 3 semester hours (3-0-0)

Skill development in business math problem-solving using electronic technology. Three hours lecture per week.

POFT 1329 – Beginning Keyboarding (52.0408) 3 semester hours (2-4-0)

Skill development keyboarding techniques. Emphasis on development of acceptable speed and accuracy levels and formatting basic documents. For students who have had no or limited keyboarding instruction. Two hours lecture and four hours lab per week.

POFT 2301 – Intermediate Keyboarding (52.0408) 3 semester hours (2-4-0)

A continuation of keyboarding skills emphasizing acceptable speed, and accuracy levels and formatting documents. Prerequisite: POFT 1329 (grade of C) or speed of 35 words per minute. Two hours lecture and four hours lab per week.

POFT 2312 – Business Correspondence and Communication(52.0501) 3 semester hours (3-0-0)