With a Bachelor of Science in Medical Laboratory Science, you’ll perform and evaluate complex laboratory tests that can help detect, diagnose and treat diseases. You’ll conduct chemical analyses of body fluids (blood, urine and spinal fluid) to determine normal or abnormal components.

**BENEFITS OF A MEDICAL LABORATORY SCIENCE EDUCATION AT BROOKLINE COLLEGE**

- **Gain critical skills:** This program is a continuation of the medical lab technician program and goes into more detail about molecular diagnostics, advanced hematology, transfusion meds and lab operations.

- **Comprehensive education:** Your program includes a mix of classroom and clinical instruction and a professional seminar to prepare you for entry-level positions in the clinical lab.

- **Qualify for certification exams:** When you complete your 120-week program, you’ll be eligible to sit for national certification exams provided by the American Society of Clinical Pathology or the American Medical Technologists.

**WHERE BROOKLINE MEDICAL LABORATORY SCIENCE GRADS ARE WORKING**

- Hospitals
- Reference laboratories
- Clinics • Physician offices
- Research and state laboratories
- Pharmaceutical facilities

**CAREER OUTLOOK**

Medical Laboratory Scientists are vitally important in the healthcare industry, helping diagnose, treat and prevent disease. According to O*NET OnLine, jobs are projected to grow 11 percent or more through 2028, which is much faster than average for all occupations.

**PROGRAM LOCATION:**

Phoenix Campus
2445 W. Dunlap Ave., Suite 100
Phoenix, AZ 85021
CURRICULUM OVERVIEW

Medical Laboratory Science – Bachelor of Science

124 CREDITS – 2,590 CONTACT HOURS – 120 WEEKS

This program will prepare students for entry level positions in the clinical laboratory performing and evaluating laboratory tests that will aid in the detection, diagnosis and treatment of disease. Students will perform tests on blood and body fluids, using manual and automated procedures in the area of blood bank/transfusion medicine, chemistry, hematology, microbiology, urinalysis, immunology, and molecular diagnostics. In addition, students will learn concepts related to laboratory operations and management, quality assessment and assurance, research and effective techniques for the training of new laboratory personnel. Graduates can seek employment in a variety of health care and laboratory settings including hospitals, clinics, research and reference laboratories, blood banks and industry.

The Medical Laboratory Science program is a continuation from the Medical Laboratory Technician program, therefore all MLT coursework provides the first four semesters of the eight-semester program.

Program Concentration Courses
- MLT 100 Introduction to MLT
- MLT 101 Urinalysis
- MLT 105 Microbiology I
- MLT 110 Microbiology II
- MLT 115 Routine Hematology
- MLT 120 Clinical Chemistry I
- MLT 130 Immunohematology
- MLT 135 Clinical Chemistry II
- MLT 140 MLT First Level Sim Lab
- MLT 170 Introduction to Immunology
- MLT 215 Hematology in Disease
- MLT 240 MLT Second Level Sim Lab
- MLT 250 Clinical Experience
- MLS 300 Advanced Clinical Chemistry
- MLS 310 Techniques of Molecular Biology
- MLS 315 Laboratory Operations
- MLS 405 Advanced Hematology
- MLS 410 Transfusion Medicine
- MLS 420 Advanced Microbiology
- MLS 445 MLS Sim Lab: Micro/Blood Bank
- MLS 450 MLS Clinical Experience
- MLS 455 Professional Seminar

General Education
- Open Science -Science/Bio/A&P
- BI 300 Introduction to Genetics
- Open English
- Open Comm -Communication or CO 415
- Open Math
- MH 240 Intermediate College Mathematics
- Open Ethics -Ethics or PH 410
- Open Soc Science -Social/History/ Political Science
- Open Social/Behavioral Science (Psych)
- Open Stats –Stats or QN 220
- Open Social/Behavioral Science (Sociology)

Additional Course Requirement
- CHM 100 General Chemistry
- CHM 320 Organic Chemistry
- CHM 340 Principles of Biochemistry
- PD 299 Professional Development

BROOKLINE’S COMMITMENT TO STUDENTS

- **Great education at a great price:** With fixed tuition, you’ll know exactly what your education will cost from start to finish (program locations vary). Brookline can also help you search and apply for a scholarship, grant or loan.
- **Faculty dedicated to your success:** Since classes are small, your expert instructors can focus on your individual needs to see you through to success.
- **Job placement assistance:** Brookline’s commitment doesn’t end with graduation: The career services team will help you land your first job, offering assistance with résumé writing, job search and more.

BROOKLINE COLLEGE DIFFERENCE

- 40 years serving our communities
- Small classes
- Personalized service
- Career immersion

See if Medical Lab Science and Brookline College is the right fit for you.

Click here for a free automated advising service.

BrooklineCollege.edu