



College of Medicine

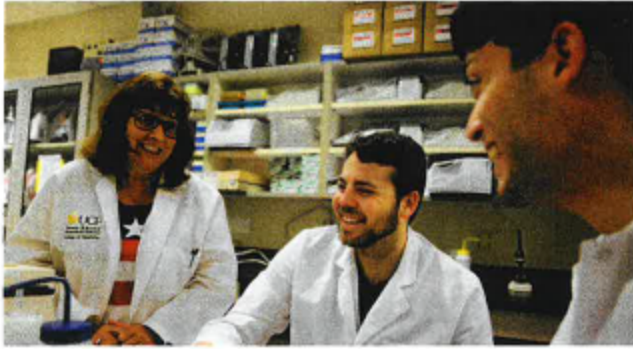
**BURNETT SCHOOL OF BIOMEDICAL SCIENCES**

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# **MEDICAL LABORATORY SCIENCES**

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**[MED.UCF.EDU/BIOMED](http://MED.UCF.EDU/BIOMED)**



## WHAT IS MEDICAL LABORATORY SCIENCES?

Do you love science and like to solve medical problems? Then an undergraduate degree program specializing in clinical laboratory science may be the path for you.

This program offers hands-on training in each of the five diagnostic areas: clinical chemistry, hematology, immunohematology, clinical microbiology and immunology. Upon graduation, students qualify for state licensure and national certification and have opportunities to work in some of the highest caliber hospitals, research facilities and diagnostic centers in the country.

Examples of what medical laboratory scientists do:

- 1) Identify abnormal cells in blood for diagnosis of leukemias, anemias and cancers
- 2) Chemical analysis of blood and body fluids for diagnosis and treatment of diseases while monitoring improvement markers
- 3) Type, crossmatch, HLA match blood from donors and recipients for transfusions and transplants
- 4) Identify pathogens, determine antibiotic susceptibility or resistance, and monitor efficacy of treatment

## WHAT SKILLS DO I NEED TO BE A MEDICAL LABORATORY SCIENTIST?

**Have the ability to use modern technologies** — must be trained to use highly complex laboratory equipment and operate complicated machinery.

**Be detail-oriented** — must follow exact protocols in order to accurately perform tests or procedures.

**Problem solving skills** — must have the desire and ability to find solutions to problems and handle a fast-paced working environment.

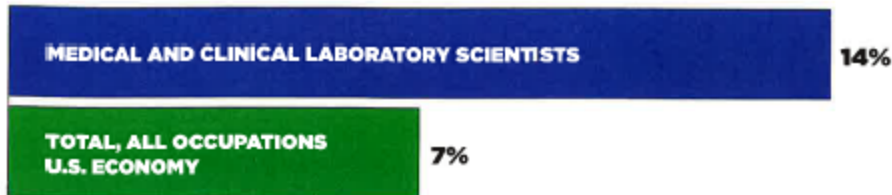
**Analytical** — have a strong science background to perform specific laboratory testing and correlate results with patient diagnoses.



# JOB OUTLOOK:

## MEDICAL AND CLINICAL LABORATORY SCIENTISTS AND TECHNICIANS

Percent change in employment, projected 2014-2024



Source: U.S. Bureau of Labor Statistics, Employment Projections program.

Employment of medical laboratory scientists is projected to grow 14 percent from 2014 to 2024, much faster than average for all occupations. Growth in healthcare options will increase the demand for the services of laboratory personnel.

Employment opportunities include:

- Hospital/clinical laboratories
- Public health laboratories
- Large and small private laboratories
- Forensic laboratories
- R&D with companies that make equipment for laboratories
- Technical service personnel for equipment manufacturers
- Marketing and sales for equipment manufacturers

Graduates can move into these positions with experience:

- Laboratory information systems management
- Compliance and quality assurance management
- Point of care technology
- Laboratory management and supervision

### JOB PROSPECTS

UCF's Medical Laboratory Science program boasts a **100% job placement rate** for those seeking careers as medical and clinical laboratory technologists after completing the accredited education program and becoming Board Certified.



## AM IN THE RIGHT CANDIDATE FOR THE PROGRAM?

Applicants must have:

- Have a passion for laboratory work
- A 2.5 average GPA in the science prerequisite core
- Full commitment to a professional program
- Prefer small classes and like team work

For any questions you may have, please contact the [Medical Laboratory Sciences leadership team](#), or the Program Director at [Maridaliz.rodriquezrosado@ucf.edu](mailto:Maridaliz.rodriquezrosado@ucf.edu)

## WHY UCF?

The Medical Laboratory Sciences Program is accredited by NAACLS (National Accreditation for Clinical Laboratory Sciences).\*

This program is an undergraduate program in the Burnett School of Biomedical Sciences. It is a university-based program leading to a Bachelor of Science degree in Medical Laboratory Sciences. Program curriculum gives students a thorough background in the physical and biological sciences; develops their understanding, skills and abilities essential to assume leadership roles in management and education; develops a high level of proficiency in the clinical laboratory, and allows recognition of the importance of continuing education needed for professional growth.\*\*

The program has an average 98-100% pass rate on the ASCP-BOC certification exam.

*\*National Accreditation for Clinical Laboratory Sciences  
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*\*\* Clinical placement is dependent on acceptance and performance in the program and is at the discretion of the program faculty.*



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