

The College Catalog and program websites are readily available and accurately depict:

- a. purpose and goals of the program(s);
- b. admission requirements and procedures;
- c. degree and program completion requirements;
- d. faculty, with degrees held and the conferring institution;
- e. tuition, fees and other program costs including policies and procedures for refund and withdrawal;
- f. financial aid programs;
- g.

The following items are found in the *Health Science Division Student Handbook*.

(This list has been updated as of 3/2024.)

1. Health Science Division Purpose Statement
2. Health Science Statement of Ethics
3. Health Science Plagiarism Regulation
4. Email/Contact Information
5. Health Science Use of Electronic Regulation
6. Health Science Confidentiality Statement
7. Health Science Grading
8. Health Science Retention Regulation
9. Health Science Probation Regulation
10. Health Science Readmission and Dismissal Regulation
11. Health Science Complaint Guidelines
12. Health Science Liability, Accident and Insurance Regulation
13. Health Requirements
14. Health Science Post Exposure Protocol
15. Health Science Background Check Regulation
16. Health Science Substance Abuse Regulation
17. Health Science Dress Code/Professional Standards
18. Health Science Student Parking Regulation

MEDICAL LAB TECHNOLOGY

Upon completion of this two-year program, the graduate will have earned an Associate in Science Degree in Medical Laboratory Technology. Graduates qualify to work in hospital laboratories and clinical laboratories performing blood tests. The Medical Laboratory Technologist makes up part of the diagnostic health care team and is responsible for processing body fluids for chemical, serological and biological analysis. He/she analyzes these fluids with computerized high technology instruments.

APPLICATION CHECKLIST

All necessary forms are located in the back of this booklet.

- _____ 1. Must be 18 years of age or older.
- _____ 2. Meet with an Academic Advisor at any campus to review program requirements.
- _____ 3. Complete the *IRSC Application for the Medical Lab Technology program* online at www.irsc.edu and pay the \$30 application fee. **Fees are non-refundable.**
- _____ 4. **Must submit proof of attendance to the Medical Laboratory Technology Program Information Session.** Form can be found in the back of this book. See schedule online for dates located on the program webpage.
- _____ 5. Request high school, and/or college(s) official transcript(s) and submit to the Office of Student Records by the application deadline date.
- _____ 6. Complete the *Essential Functions* Form (page 11) and return it to the Medical Laboratory Technology Department by the application deadline date.
- _____ 7. Review the Florida Department of Health, Board of Clinical Laboratory Personnel training requirements.
- _____ 8. IRSC and college cumulative GPA of 2.5 or higher.
- _____ 9. Submit copy of valid BLS CPR Certificate. Must be from the American Heart Association (AHA).

Completion of this checklist alone does not guarantee acceptance to the Medical Laboratory Technology program. Students are selected on a competitive basis.

Note: Do not proceed with drug/background screening, physical and health insurance until notified.

- _____ A. Submit Physical Examination form complete with immunizations documented including current year's seasonal flu vaccine. The current year's flu vaccine is usually available starting in August for the peak flu season running from October through March. Vaccines obtained prior to August are likely the prior year's vaccine and may not be accepted. (Go to www.irsc.edu. Click Programs and then Health Science Meta Major. Choose Medical Laboratory Technology and select Health Science Physical Examination and Immunization Form).
- _____ B. Submit proof of personal health insurance.

STATE REQUIREMENTS CHECKLIST

The State of Florida requires students of the Medical Lab Science program to complete a Florida Department of Health, Board of Clinical Laboratory Personnel Trainee Application. Visit www.floridasclinicallabs.gov/licensing for the most current guidelines on the State of Florida Medical Lab Technology Trainee license.

TRAINEE LICENSE FEE

Students must be accepted into the MLT program to obtain a training license with the State of Florida. Additional information on the associated fees and directions for the license application will be reviewed during the MLT student orientation.

INTRODUCTION

The Medical Laboratory Technology program is offered through the IRSC Health Science Division. All applicants enter this program through a Selective Admissions process. Contact the MLT Department (772-462-7534) or the Health Science Department for specific requirements (772-462-7550).

CRITERIA FOR SELECTION

Factors utilized for selection include but are not limited to:

- A. Past academic performance, grade point average and required specialized electives of the MLT Curriculum are indicative of the probability of an applicant's completing the academic portion of the program successfully. It is recommended for students to complete as many of the following courses as possible before applying to the program.

Instructions:

Total Credits: Add up only the credits that you have taken

Numerical Grades: A = 4, B = 3, C = 2

Total Quality Points: Multiply grade by credits for each course, then add up this column

Total Points: Sum of all quality points awarded.

COURSE	CREDITS	GRADE (Numeric)	QUALITY POINTS (Credits x Grade)	POINTS
Any Core Math	3			
*Natural Science	3			
*Natural Science Lab	1			
*Chemistry	3			
*Chemistry Lab	1			
*Chemistry	3			
*Chemistry Lab	1			
Civic Literacy Assessment	1			
TOTAL				

*See Course Catalog for crse Ca BT/P ~~MC/I~~

DRUG SCREENING and CRIMINAL BACKGROUND CHECK

When submitted, these records will become the property of the College, and will not be available for copying or for use to meet the requirements of outside employers. Students who are out of the program for six months or more must submit new records.

Refer to the IRSC website at www.irsc.edu. Click **Programs, Meta Major** and then select

PROGRAM EXPENSES

A list of approximate costs is located on the IRSC website at www.irsc.edu. Click Programs, Meta Major

What is the job outlook for a Medical Laboratory Technologist?

There is a GREAT demand for MLTs, both locally and nationally, with beginning salaries and benefits that reflect this demand. There is a national shortage of medical technologists at this time.

What areas of advancement are available within this profession?

Indian River State College offers a Bachelor of Science Degree in Biology. A Bachelor of Science Degree enables the student to apply for the Florida State Supervisors license and will also enable the student to act as a Chief Technologist and run a clinical laboratory.

Who should I contact for an application and further information?

Direct ALL inquiries to: Michael Vogt, M.Ed., MT (ASCP)
Medical Laboratory Technology Department
Indian River State College
3209 Virginia Avenue
Fort Pierce, FL 34981-5596
772-462-7536

PROGRAM PURPOSE STATEMENT

To prepare graduates with demonstrated competence in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains as performed by medical laboratory technicians.

Program Outcomes:

1. Apply the skills, knowledge, attitudes and values necessary for positions as medical laboratory technicians in the real workplace.
2. Demonstrate professional attitudes and values and an understanding of the ethical/legal principles in all interactions as a medical lab professional.
3. Apply the principles and procedures for entry-level medical laboratory technicians in the areas of hematology, urinalysis, immunohematology, serology, clinical chemistry and microbiology without clinically significant errors.
 - a. **Phlebotomy**
 - Perform collection of blood specimens for clinical laboratory testing.
 - b. **Clinical Chemistry**
 - Perform analyses of chemical constituents on physiological specimens.
 - Microbiology**
 - Culture, isolate and identify microorganisms from clinical specimens.
 - Perform antibiotic susceptibility tests for microorganisms found in clinical specimens.

- d. **Hematology**
 - Perform analyses of chemical, cellular and formed elements in blood and cerebrospinal fluid specimens.
 - Microscopically detect cellular abnormalities in blood specimens.
- e. **Immunoematology**
 - Perform analyses resulting in the typing, antibody identification and compatibility assurance of donor and recipient blood specimens.
- f. **Immunology and Serology**
 - Perform, read and interpret serological tests for the presence of antibodies, antigens or specific proteins.
- g. **Urinalysis**
 - Perform analyses of the microscopic and chemical composition of urine.
- h. **Coagulation**
 - Perform tests which evaluate the hemostatic mechanism.
- i. **Parasitology**
 - Locate and identify parasites present in biological specimens.
- j. **General**
 - Obtain and process biological specimens suitable for analysis.
 - Record and transcribe the results of laboratory tests with **100%** accuracy.
 - Maintain laboratory equipment in accordance with laboratory procedures to the extent that accuracy and precision of test results is maintained.
 - Evaluate and use quality control systems for established laboratory procedures to the extent that quality of output is high.
 - Recognize and analyze causes of problems to the extent that the cause can be theorized.
 - Relate laboratory findings to common disease processes.

**PROCEDURES FOR AWARD OF COMPETENCY CREDIT FOR
MEDICAL LABORATORY TECHNOLOGY PROGRAM**

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