

Name: _____

Date: _____



Department of Pathology & Laboratory Medicine

Application

UC Irvine Medical Center Clinical Laboratory Scientist Training Program

Last Name	First Name	Middle Name/Initial
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Mailing Address:

Street	City	State	Zip Code
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Permanent Address (if different from above)

Street	City	State	Zip Code
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Cell Phone

Alternate Phone

E-mail

Date of Birth

Are you a reapplicant?

Yes No

Emergency Contact:

Name

Relationship

Cell Phone

Are you a US Citizen?	Yes	No
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If no, then are you:

Permanent Resident (green card)	Yes	No
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DACA	Yes	No
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If PR or DACA you will need to bring a copy of your documents should you be interviewed.

Have you applied for or have a California Clinical Laboratory Scientist Trainee License?

Yes No

If yes then: License Number

Expiration Date

If pending, date initiated

Name: _____

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COLLEGE EDUCATION

School	State	Country	Dates Attended	Major	Degree & Date	Cum GPA	Units

LETTERS OF REFERENCE

Please list the names, relationship (e.g., professor, supervisor, etc.) and contact information for the three individuals you will ask to send a letter of recommendation on your behalf should you be advanced in the admissions process.

Name	Relationship	Affiliation	Email	Phone Number

Name: _____

Date: _____

ACADEMICS

In chronological order (earliest to most recent) list all Biological Sciences, Chemistry, Physics and Mathematics courses. Five required courses are listed at the top in red.

Course	Institution	Year	Units		Grade	In Progress (X)	Planned (X)
			Semester	Quarter			
Biochemistry or Clinical Chemistry							
Analytical (Quant.) Chem							
Medical Microbiology							
Hematology							
Immunology							

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ACADEMICS - CONTINUED

In chronological order (earliest to most recent) list all Biological Sciences, Chemistry, Physics and Mathematics courses. The five required courses are listed at the top in red.

			Units		Grade	In Progress (X)	Planned (X)
Course	Institution	Year	Semester	Quarter			

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ACADEMICS - CONTINUED

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ACADEMICS - CONTINUED

In chronological order (earliest to most recent) list all Biological Sciences, Chemistry, Physics and Mathematics courses. The five required courses are listed at the top in red.

			Units		Grade	In Progress (X)	Planned (X)
Course	Institution	Year	Semester	Quarter			

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EXTRACURRICULAR ACTIVITIES:

List up to three research, clinical, community and school activities, and employment.

	ACTIVITY	LOCATION	DATES From -To	Total Hrs
RESEARCH				
CLINICAL				
COMMUNITY				
SCHOOL				
EMPLOYMENT				

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PERSONAL STATEMENT

In this section please tell the admissions committee your motivation for applying to the CLS training program and your future career goals. The limit is 3,000 characters including spaces.

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ESSENTIAL FUNCTIONS

Clinical Laboratory Scientist Training Program

Essential functions represent the non-academic requirements of the Clinical Laboratory Scientist Program at UCI Medical Center. The demonstrated ability to perform these functions is necessary for the successful completion of training and achievement of entry-level competency.

Carefully read the information provided about essential functions and at the end of the document indicate that you understand these requirements.

GENERAL
Tasks that a student is expected to successfully perform at the laboratory bench in each different area of the laboratory. In general, one would expect a CLS or student to:
1. Follow a written protocol, produce an accurate result, and notice and confirm any unusual findings.
2. Follow quality control protocols and follow through with problem situations by notifying the instructor and working out the problem.
3. Perform all work in the laboratory following all established safety guidelines.
4. Organize, prioritize and efficiently complete the assigned work.
5. Adapt readily to changes in the work environment.
6. Communicate effectively, via the telephone or in person, with instructors, laboratory and hospital staff and patients
Certain psychomotor skills are required to achieve an acceptable level of performance. Some examples of these skills are:
1. Ability to read procedures, thermometers, instrument indicators and read-outs, and computer video terminals.
2. Ability to distinguish variations in color and shape both macroscopically and microscopically.
3. Ability to hear and respond to instrument alarms and beeps.
4. Capability of carrying supplies to the work bench or storage areas.
5. Ability to reach instruments at varying heights or reach behind/under instruments, printers, etc.
6. Ability to perform a number of manual functions such as pipetting, using a computer keyboard, handling test tubes, media plates or tools.

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PHLEBOTOMY

Examples of essential functions expected in Phlebotomy would include:

1. Mastery of proper specimen collection in inpatient and outpatient environments, which includes patient preparation and the labeling, handling, processing, transportation, and storage of specimens.
2. Mastery of skills required for collection of blood specimens by using various techniques, such as syringes, evacuated tubes and butterflies, on patients of varying age and physical condition.

BLOOD BANK

Examples of essential functions expected in Blood Bank would include:

1. Demonstration of the ability to perform the standard Blood Bank procedures including answering phones, issuing and ordering blood and components, processing and preparing blood components, and inventory of blood components.
2. Performing the required technical skills including pipetting, making cell suspensions, centrifuging, washing cells, and making eluates.
3. Demonstrating proper operation of the instruments utilized in the performance of these procedures and performing appropriate quality control measures.
4. Demonstration of the ability to work in the Donor Center in areas such as obtaining donor histories, phlebotomy and component preparation.

CHEMISTRY

Examples of essential functions in Chemistry would include:

1. Demonstration of the ability to perform the procedures in the Chemistry sections with proper use of the instruments in those areas. Required technical skills may include pipetting, preparation of dilutions and reagents, calibration techniques, sample loading, and touch screen sample programming.
2. Performing preventive maintenance, calibration and troubleshooting procedures, as well as the incorporation of quality control measures, for each procedure and related instrument. System maintenance would include replacement and cleaning of such components as sample and reagent supply, incubators and photometers.
3. Demonstration of the ability to perform procedures in Special Chemistry and Toxicology including operation of instruments such as: a spectrophotometer, nephelometry, electrophoresis equipment, densitometer, gas chromatograph (GC), atomic absorption spectrophotometer (AA), high performance liquid chromatograph (HPLC), and various immunochemistry analyzers. These instruments have very diverse operational and technical requirements. Procedures may involve the quantitation of analytes at the nanogram level.
4. Demonstration of the ability to perform procedures in Urinalysis and Automated Chemistry including the use of a refractometer, centrifuge, microscope, osmometer, automated urinalysis system, and a variety of automated chemistry analyzers.

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HEMATOLOGY

Examples of essential functions in Hematology would include:

1. Demonstration of the ability to perform the procedures in the Hematology lab with the proper use of the instruments in this section such as automated hematology analyzers, automated coagulation analyzers, slide stainer, and spectrophotometer.
2. Performing the necessary preventive maintenance, calibration and troubleshooting procedures for each procedure and the related instruments.
3. Performing required technical skills including centrifugation, preparation of reagents and controls, pipetting, preparation of dilutions, manual counting methods, and preparation of peripheral blood, bone marrow and body fluid smears.
4. Identifying both normal and abnormal cells on bone marrow, blood and body fluid smears, and differentiating cells according to stage of development and cellular morphology with the utilization of various staining techniques. Performance of immunofluorescent procedures requires fluorescent microscopy skills.

MICROBIOLOGY

Examples of essential functions in Microbiology would include:

1. Demonstration of the ability to perform the various procedures in bacteriology, susceptibility testing, mycology, mycobacteriology, parasitology, immunoserology, and virology. Students must demonstrate the ability to work with the instrumentation, equipment and/or materials associated with the different procedures including various types of incubators, anaerobic jars, culture media, centrifuges, automated instrumentation, molecular technology, fluorescent microscopes and standard light microscopes.
2. Demonstration of the ability to perform immunoserological procedures which include indirect hemagglutination (IHA), neutralization, latex agglutination, complement fixation, immunodiffusion, latex particle agglutination (LPA), enzyme immunoassay (EIA), indirect fluorescent assay (IFA) assay, and counterimmunoelectrophoresis assay. Students must also demonstrate the ability to observe and interpret final readings for these procedures.
3. Processing specimens in each area of Microbiology by centrifugation, inoculation of media, and staining of smears.
4. Performing testing procedures involving sterile technique, pipetting, diluting and preparing of reagents while incorporating the appropriate quality control measures.
5. Identifying different organisms through the examination of stained smears, culture growth characteristics, biochemical reactions, proteomics, nucleic acid analysis, and immunoserological typing of organisms.
6. Performing various antimicrobial susceptibility test procedures and demonstrating the ability to interpret test results.



By checking this box, I attest that I have read and understood all essential functions required of the CLS training program and believe I can meet these requirements.

Name: _____ Date: _____