Information Session

Note: Information contained within this presentation is subject to change.
Welcome!
Medical laboratory professionals play a crucial role in the detection, diagnosis, and treatment of disease. They examine and analyze body fluids and cells, utilize sophisticated instrumentation, and perform manual testing. In other words, they are the “Detectives of the body”
The Clinical Laboratory

• Phlebotomists
  • Licensed to practice phlebotomy; Cannot perform any testing

• Laboratory Assistant
  • Not licensed, can perform some testing under direct supervision. Cannot report results.

• Medical Laboratory Technician (MLT)
  • Licensed to perform Low-Moderate complexity testing without direct supervision. Able to report most results.
  • Must be able to work side-by-side with CLSs in a 4-1 ratio.
  • In California only, cannot perform microscopy.

• Clinical Laboratory Scientists (CLS)
  • Licensed to perform and result Low-High complexity testing without direct supervision.

• Pathologist –MD
  • The final authority in laboratory medicine.
CLS versus MLT - Education Req.

- **Clinical Laboratory Scientists (CLS)**
  - Bachelor of Science Degree
  - Completion of a 1 year CLS internship program

- **Medical Laboratory Technician (MLT)**
  - Requires 60 college-level semester units
    - 36 units in physical & biological sciences
  - Requires 1040 hours of combined didactic and practicum training.
  - You will be eligible for an A.S. degree in MLT
    - Must meet college requirements

- The State of California *currently* does not have a bridge for MLTs to become CLSs.
The Clinical Laboratory...

- Is very fast paced
  - Requires a lot of movement
- Loud
  - Requires a lot concentration
- Is always busy
  - Hospitals operate 24/7; including holidays
  - Requires schedule flexibility
- Pays very well
  - A lot of responsibility
- Is finite
  - Cannot take work home with you
Our Mission

• To produce highly-trained individuals who successfully pass the medical laboratory technician national licensing exam and who will remain committed to all ethical and affective objectives in a healthcare setting, while exhibiting the critical core values of accountability, dedication, work ethic, and trust.
MLT Program Philosophy

• We’re committed – are you?
  • Professionalism
  • Engagement
  • Participation
  • Commitment
  • Individual Performance
  • Teamwork
MLT Program Goals

• **NAACLS Accredited Program**
  • Prepare completers to practice as professional MLTs *both within and outside* of California.
  • Rigorous training program that will prepare completers to be comfortable in any lab in *any state*.
  • We’re creating a program with a reputation that you’ll be proud of as a graduate.
Setting Up For Success!

- Essential Functions: Requirements
  - Observational
  - Movement
  - Communication
  - Cognitive
  - Behavioral

- Computer Technology
- Strong Written and Verbal Communication
MLT Program Structure

• Cohort Based Program
• 18 month timeframe broken out into two distinct portions:
  • Didactic Training (First 12 months)
    • Campus-based learning.
    • Basic theory and technique development.
    • Includes Summer Break
  • Practicum Training (Last 6 months)
    • Practical on-the-job training at one of our clinical affiliates.
    • Relies heavily on Didactic Training
    • Delays (up to 6 months) can occur
## MLT Program Structure  35-37 units

<table>
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<tr>
<th>Semester</th>
<th>Course</th>
<th>Number</th>
<th>Units</th>
<th>Course Title</th>
<th>Lecture or Lab</th>
<th>Hours Required</th>
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About Phlebotomy...

• As an MLT you will be expected to practice phlebotomy.
• Those that do not possess a current California Phlebotomy Technician I (CPT-1) certificate will be required to take MEDTEC 311 & 312 courses.
  • However, this training is not eligible for a standalone CPT-1 certification.
Time Commitment

• This is a professional program that is regulated by the State of California and NAACLS. You WILL be expected to:
  • ARRIVE ON TIME
  • ATTEND ALL CLASSES (Hours are Critical)
  • PREPARE FOR ALL CLASSES
    • Devote at least 10-20 hours per week, outside of class, to such activities.
    • Falling behind can be detrimental in this program.

• All of the above applies to the clinical rotations as well.
Course Evaluation

• You must pass all courses with a “C” or better.
• The grading scale is as follows:

<table>
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<th>Percent of Possible Total Points Earned</th>
<th>Assigned Grade</th>
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<tbody>
<tr>
<td>90-100</td>
<td>“A”</td>
</tr>
<tr>
<td>80-89</td>
<td>“B”</td>
</tr>
<tr>
<td><strong>75-79</strong></td>
<td>“C”</td>
</tr>
<tr>
<td>65-74</td>
<td>“D”</td>
</tr>
<tr>
<td>Below 65</td>
<td>“F”</td>
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Any computed final class score < 75% will result in being dropped from MLT Program.
Our Current Clinical Affiliates

- Dignity Health – Sacramento, Woodland, Folsom
- Sutter Health – Sacramento, Roseville, Auburn, Davis
- Emanuel Medical Center – Turlock
- Lodi Memorial Hospital – Lodi
- Marshall Medical Center – Placerville
- Mendocino Coast Hospital – Fort Bragg
- St. Agnes Hospital – Fresno
- Other Possibilities
  - UC Davis Medical Center – Sacramento
  - Shasta Regional Hospital – Redding
  - Quest Diagnostics – Sacramento

- As training sites are very limited, you should be prepared to travel to **any** of these sites!!!
Costs of the Program

• **All costs estimated and subject to change**
  - Current Enrollment Fees (tuition): $46.00 (per unit)
  - Uniforms: $100.00 (4 sets)
  - Background Check & Drug Testing: $100 - 135.00
  - Vaccinations + TB Clearance: $Variable
  - Liability Insurance: $40.00 (2 payments)
  - CPR training $50-100.00
  - FIT Testing: $25-85.00
  - HealthStream Modules $14.00
  - Health Insurance: $Variable

• Other Expenses include textbooks, class supplies, disposable lab coats, and transportation to classes and clinical rotation site.

• Post Graduation Licensure Costs:
  - CA License fee: $230.00
  - ASCP Exam fee: $215.00
Applying to the Program...

• You will need to see a counselor as part of the application process!
  • Transcript & Prerequisite Review
  • Foreign Transcript Review
    • Must be reviewed by an NACES approved independent agency
• Equivalency course evaluations
  • Bring Sealed Official Transcripts to your counseling appointment!!!
  • If foreign, course catalog descriptions are required.
Prerequisite Courses:

• Applicants must have a G.P.A. of 2.0 in all college courses; **AND**
  must have an overall G.P.A. of 2.50 or above in the following
  prerequisite courses:
  • AH 110 (Medical Language for Healthcare Providers),
  • CHEM 400 (General Chemistry with Lab), OR CHEM 420 (Organic w/Lab)
  • CHEM 401 (General Chemistry with Lab), OR CHEM 421 (Organic w/Lab)
  • BIOL 400 (Principles of Biology with Lab),
  • STAT 300 (Introduction to Probability and Statistics)
  • COMM 321 (pref.), COMM 301, 311, 331, or 361
• In addition, each course must be passed with at least a letter grade “C” or above.

• On day one, we assume you have a working knowledge of what
  was covered in all prerequisite courses.
Other Considerations

- **Pass a Background Check**
  - Requires an SSN

- **Pass a Drug Screen**

- **Pass Immunology requirements**
  - You will need to **demonstrate** immunity to the following:
    - Measles (Rubeola), Mumps, Rubella (MMR)
    - Varicella (Chicken Pox)
    - Hepatitis B
    - Tetanus, Diphtheria, & Pertussis (Tdap)
    - Influenza
    - TB Clearance

- **Note:** Some clinical sites may require additional immunology checks (i.e. Hepatitis C, etc.). **
Other Considerations

- Ultimately, our clinical sites have the final say on whether or not to accept you as their student. As a rule they will not accept anyone with:
  - A Failed Background Check
  - A Positive Drug Screen
  - Incomplete Immunology check
- If you cannot attend a clinical rotation for any reason (including a refusal of our clinical partners to accept you as a student), you will be dropped from the MLT program.
Professional Organizations

- California Association of Medical Laboratory Technologists (CAMLT)
  - www.calmlt.org

- National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
  - www.naacls.org

- American Society of Clinical Pathologists (ASCP)
  - www.ascp.org

- Laboratory Field Services (State of California)
  - cdph.ca.gov/lfs
Questions ?