



Medical Laboratory Technology Program

Clinical Education Handbook

2021

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SCC MLT Program Clinical Affiliates

Cooperative agreements: The Medical Laboratory Technology Program has affiliation agreements with twenty-two affiliates providing a variety of educational opportunities for students in the clinical laboratory. Each clinical affiliate has a representative to the Advisory Committee for the MLT program. Affiliation agreements have been signed by each of the following:

- Arthritis Center of Nebraska, Lincoln
- Beatrice Community Hospital, Beatrice
- Bryan Health Medical Center East & West, Lincoln
- Cancer Partners of Nebraska, Lincoln
- CHI Health Laboratory, Omaha
- CHI Health Nebraska Heart Hospital, Lincoln
- CHI Health St. Elizabeth Hospital, Lincoln
- CHI Health St. Mary's Hospital, Nebraska City
- Columbus Community Hospital, Columbus
- Community Medical Center, Falls City
- Crete Area Medical Center, Crete
- Faith Regional Health Services, Norfolk
- Lincoln Internal Medicine Associates , Lincoln
- Madonna Rehabilitation Hospital, Lincoln
- Memorial Health Care Systems Hospital/Clinic, Seward
- Nebraska Hematology-Oncology, P.C., Lincoln
- Physicians Laboratory Services, Inc., Lincoln and Omaha
- Syracuse Area Health, Syracuse
- Urology, P.C.
- VA Nebraska-Western Iowa Health Care System, Lincoln
- York General Health Care Services, York

Clinical Education Experience Guidelines & Expectations for the Clinical Instructor

Standard VIII of The National Accrediting Agency for Clinical Laboratory Science (NAACLS) states that curricula must be provided in sequenced learning experiences necessary to achieve entry competencies. The students in the Medical Laboratory Technology (MLT) program at Southeast Community College have successfully completed the necessary competencies to advance to their clinical experience.

Due to standard VIII, it is important that the clinical experience be completed in a way that continues the sequence of learning. Up to this point, the students have successfully completed all of the theory (lecture material) and student laboratory experiences required by the Board of Certification MLT guidelines and NAACLS MLT Unique Standards.

Because students have already completed these, it is not necessary to assign homework, quizzes, or to simulate laboratory experiences for the students. It is important that the students see the “real world” so they can piece together the information they have learned during their lectures and student laboratories. Due to the nature of student laboratory, samples are not always handled like they are in a working laboratory so we rely on the clinical sites to let the students experience a true laboratory.

To meet standard VIII the student, under supervision, should be performing the same tasks as a working Medical Laboratory Technician. This ensures that they are getting a realistic, sequential, entry level clinical experience. The best way to achieve this is by having the student perform the testing that is available. This can be achieved one of two ways:

- 1) The student can watch the clinical instructor they are with perform the test, and then they can perform the test on that same patient.
- 2) The student can perform the patient testing under direct supervision of his/her clinical instructor.

It is expected that at times the workload of the clinical instructors will be such that letting a student perform the testing would impact the timely release of patient results. When this happens, it is appropriate to ask the student to discontinue patient testing at that time and to simply observe the clinical instructor performing his/her tasks, until the workload is again at a pace the student/instructor can handle. It is best that the student stay in the testing area with the clinical instructor so learning through observation can still occur.

If the clinical instructor is able to talk the student through the processes they are using during a busy time, that is best. However, it is also appropriate to save time for discussion, explanation, and debriefing of the methods the clinical instructor used until after the workload is more manageable.

NAACLS standards are now outcome based so it is no longer a requirement that students meet a minimum number of tests performed in each clinical area, with the exception of phlebotomy, manual differentials, gram stains, and urine microscopic examinations.

The following guidelines have been written to assist you in supervision of Southeast Community College students placed at your site.

Clinical Site Instructor Responsibilities

- Assist in the student learning experiences by providing and supervising various clinical experiences. The supervising clinical instructor is required to communicate to the student as to what the student will be allowed or permitted to perform in regards to reporting and/or charting patient results
- Meet with each student on the first day of his/her rotation to determine student duties, competencies, roles and schedule. Students are bound by all your agency policies in regard to breaks, use of cell phones, and work hours. Students will not remove any protected health information from any clinical facility.
- Orient the student to the clinical site policies, rules, and perform introductions to other staff.
- Give the student feedback frequently on his/her progress or any problems which arise.
- Designate a responsible staff member for the student to report to in your absence.
- Notify the MLT Program Clinical Education Coordinator of any problems that arise with the student.
- Complete an Affective Evaluation and Clinical Evaluation Form for each student summarizing his/her performance in each clinical area.
- Communicate with the student and/or MLT instructor(s) for an evaluation to give performance feedback based upon the evaluation forms and the clinical education guidelines and expectations. This feedback will then be used by the student and also by the college in the determination of the student's clinical grade.
- Monitor the student's attendance. The student will notify you if he or she will be tardy or absent. The student must notify both the clinical site and Southeast Community College or the student will be required to make-up double time. The student is allowed one absence per term at the discretion of the college and the clinical site. Any absence over one 1 day per term requires make-up time. Make-up time will be arranged with the clinical site.
- Students are at your site to experience the clinical laboratory. They should be kept busy doing procedures or observing you working as much as possible. If your laboratory area is slow, please allow them to go to another area and observe/learn.
- If you do not feel a student is properly motivated and needs constant reminding to take initiative, please let the student and the MLT Clinical Coordinator know immediately.
- Communicate effectively with the students so he/she is aware of the expectations of the site and their clinical instructors.
- Reach out to MLT Program Clinical Coordinator or faculty if you have any questions.

Clinical Education Student Guidelines

Professional Appearance Guidelines

Professional appearance and behavior promotes student accountability and responsibility for learning and reflects the image of the Medical Laboratory Technology Program at Southeast Community College. Appearance is a very important aspect of professionalism.

The proper dress for participation during Clinical Education or any activity in which the student is in contact with health care patients is as follows:

- Clean MLT Program selected colored scrub top and pant. If desired, a white short-or long-sleeved t-shirt may be worn underneath the scrub top. No print or pattern on the white t-shirt.

Most clinical sites will provide you with a clean lab coat which **MUST** remain at the site. However, some clinical sites will require you to bring a disposable lab coat. The disposable lab coat must also be left at the site after use. If you must have a disposable lab coat, one will be provided by the SCC MLT program. It is the responsibility of the student to inform the clinical coordinator each week while on campus if an SCC laboratory coat is needed for clinical for the week.

- Proper undergarments must be worn at all times with uniforms.
- SCC student photo identification cards must be worn and visible on lab coat or scrub top, unless the clinical site instructs you otherwise.
- Clean shoes must be worn. No open-toed or open-backed shoes, sandals or canvas shoes permitted.
- Fingernails should be kept short and clean. No nail polish. No artificial nails.
- Keep yourself free from body odors. Do not use perfumes, colognes, or scented aftershave lotions.
- If makeup is used, apply in a conservative way. Clean-shaved or trimmed facial hair. Beards and/or mustaches must be kept clean and trimmed appropriately.
- Hair needs to be clean, neatly trimmed, and styled so hair is out of the eyes. If long, hair should be worn back and/or up and not allowed to hang loose in front. Although hair may be colored, only natural colorings may be used. No “messy” buns permitted.
- No body piercing jewelry (other than one small pair posts in earlobes) can be worn to clinical sites. If more than one earring is worn in the earlobe, student will be asked to remove it.
- Any tattoo(s), if visible, must be covered up during clinical rotation times.
- Chewing gum in the clinical area is not permitted.

- Smoking is not permitted at clinical sites. It is recommended that a student does not smoke in route to the clinical site in order to not smell like smoke to patients or staff. Medical facilities and campuses are smoke-free.
- Faculty and clinical instructors have the right to make recommendations to the student regarding appearance, hygiene, or actions prior to or during the course of their clinical rotations.
- Students not following the MLT Professional Appearance guidelines will not be allowed to complete the clinical experience. This could result in a failing grade or dismissal from the program.
- If MLT program faculty are made aware of a student not following the Professional Appearance Guidelines (listed above) the student's Affective Evaluation grade will be lowered. This will happen even if the clinical site does not require the student to follow the above guidelines.

Grades will be deducted in 5 point increments from the overall Affective Evaluation grade. Each additional offense results in an additional 5 point deduction.

- Good health habits and attitudes are stressed. If there is an obvious problem, the student will be counseled concerning the total problem as it relates to health, performance, and future job opportunities.
- Maintain a positive attitude during your clinic experience. The facilities pride themselves of the highest level of customer service and being a patient advocate; please assume the same values while in their facilities.

Student Guidelines & Requirements

- Any student absences will require additional make-up time. This is at the discretion of the instructors and the clinical site. **Notify both the clinical site and SCC MLT Program if you are absent, prior to the time which you are to begin your rotation.** If both are not notified, the student will be required to make up double time. Refer to the Program Attendance Requirements found in MLT Student Handbook for further information.
- A **daily** summary of procedures performed or observed is to be kept by each student. Weekly Summary sheets are to be submitted to Lynnett Paneitz on a weekly basis (**every Friday following the week's clinical education rotation**). Failure to hand in Weekly Summary sheets will result in a grade deduction.
- Arrive on time to each clinical site. The **"Time In", "Time Out"**, and the **clinical instructor's signature** must be noted on each the Weekly Summary sheets for each day as documentation of attendance. Students are required to 'clock in' and 'clock out' using Trajecys. More than one tardy in a term is considered excessive and may result in a failing grade for Clinical Education.
- Students must follow HIPAA Standards at all clinical sites. Confidentiality of all patient names and results **MUST** be observed at all clinical sites. Health Sciences students enrolled in Southeast Community College (SCC) Health Sciences Division **will not remove** any protected health information (PHI) from any clinical facility. Students transmit any PHI electronically except when doing so in the usual performance of caring for patients or clients and full knowledge of the clinical preceptor or instructor.
- **Students may be dismissed from the Medical Laboratory Technology Program for failure to abide by policies and procedures of a HIPAA Standards.**
- Minimum numbers are not the end all. If the required minimum number of a procedure/test is attained, the student is expected to keep performing the task.
- Students are encouraged and welcome to contact Lynnett Paneitz (402.437.2760), Leah Stamps (402.437.2763), or Ahmad Tumeh (402.437.2762) if any concerns or problems arise at any of the clinical sites. Please keep them informed of any happenings.
- If an accident at a clinical site occurs, contact the clinical laboratory director or teaching instructor immediately. Emergency care will be given. The student will be responsible for the cost of this care. Accident report forms must be completed for the clinical site and a TIPS Report Incident Form must be completed for SCC. TIPS Report Incident Forms are found on the HUB at thehub.southeast.edu. **Lynnett Paneitz must also be notified, (402.437.2760).**
- **Absolutely no cellular phones or smart watches/devices allowed during clinical rotation times. Cell phones and smart devices must be off and in a locker or car while performing clinical education experiences. The student may use their device during breaks, if allowed by the clinical site.** Clinical sites will inform Lynnett Paneitz (402.437.2760) if the student violates this policy. **Violation will lead to formal disciplinary action.**

- Clinical Education experiences for students enrolled in the Medical Laboratory Technology Program are designed to correlate theory with supervised clinical experience in an organized setting. This is a logical extension of theory. It takes students from laboratory practice in the formal education environment to actual experiences in the clinical setting. Clinical Education experiences are scheduled during normal working hours of the clinical affiliate and occur during the normal workweek, i.e., Monday through Thursday or weekends if it is acceptable to the clinical site.
- The Medical Laboratory Technology student works directly with a phlebotomist/clinical technologist/technician who is responsible for their supervision and training. All work performed by the student is reviewed and test results are confirmed by the supervising technologist/technician. Once students have demonstrated proficiency in performing laboratory procedures to the satisfaction of the supervising clinical personnel, they may be allowed to contribute to the service work of the clinical site in order to gain further practice. The main objective for clinical education experiences is the acquisition of entry-level competency and students are not expected to perform routine service work or to substitute for regular staff at the clinical site.
- No stipends are paid to the students. Students are allowed to be employed outside the College or be employed at the College by work-study grants. Employment time must not conflict with classroom time or time scheduled in the clinical laboratory for Program requirements. Students may be hired by the clinical affiliates as part-time help, in positions such as laboratory assistants or phlebotomists. Service work done by the students in these positions is paid and is **NOT** considered part of the student's clinical education experience.
- All students registered for clinical education are required to have a criminal background check, negative drugs of abuse screen and current TB test(s) and/or chest x-ray prior to performing clinical education. The results of the TB test(s) and/or chest x-ray must be negative and demonstrate no active TB infection. Students are required to have a flu vaccination or sign a waiver. Students may be required by clinical sites to be fingerprinted. The student is responsible for any cost incurred for these requirements. The student is responsible for transportation to and from assigned clinical affiliates.
- Students are required to show proof of full SARS-CoV₂ Vaccination prior to going to a clinical site. Student will still be required to wear a face covering at clinical sites, in conjunction with the site policy. Violation of site policies regarding face coverings will lead to formal disciplinary action and possible removal from a site.
- Patient care/safety is priority. A student's technical skills and/or professional attitude both contribute to patient care/safety. If a student is believed to be compromising patient care/safety, the situation will be evaluated by the clinical site and the MLT Program Clinical Coordinator and Program Director. The MLT Program Clinical Coordinator or Program Director has the discretion to remove a student from a clinical site at any time for any reason. This will negatively affect the student's grade. Final Clinical Education grades are at the discretion of the MLT Program Clinical Coordinator and Program Director.

Performance Evaluations & Grading

All students will be graded based on a technical evaluation for each clinical experience and an evaluation of affective domain for each site.

The student will:

1. Conduct themselves in a professional manner, which includes the categories outlined on the Evaluation of Affective Domain form.
2. Complete tests and procedures listed on the department (technical) evaluation form(s) on a daily basis.
3. Sign and date the evaluation forms filled out by the clinical instructor(s). This verifies that the student has reviewed the evaluation form. It does not necessarily indicate that the student agrees with the opinions of the evaluator. The student may add comments to the evaluation form in the designated area.
4. Clinical grades will be determined by the clinical site instructor for each department that the student is assigned. The following grading scale will be used:

Performance Rating of Technical Evaluations:

- 4 Procedure performed accurately with minimal supervision:
A+ = 4.0 – 3.7, A = 3.6-3.3
- 3 Procedure acceptable with moderate supervision:
B+ = 3.2 – 2.9, B = 2.8 – 2.5
- 2 Procedure needed repeating several times to be acceptable; moderate supervision:
C+ = 2.4 – 2.1, C = 2.0-1.7
- 1 Unable to perform procedure correctly; constant supervision:
D+ = 1.6 – 1.3, D = 1.2 – 0.9, F = <0.9

O/D = observed, D = discussed, N/A = not applicable

Total points/number of criteria = Grade

The students' performance is based upon criteria and standards determined by the clinical facility in regards to reportable limits, producing correct results, and utilizing all aspects of quality assurance as determined by the clinical facility and clinical instructor. If a student receives a rating of 2 or 1 for a task, additional assignments will be required, as determined by the MLT faculty and Clinical Site faculty. The student must obtain a C+ or better to pass the rotation. A student may repeat one clinical rotation, should clinical space permit, to obtain a C+ or better grade. Upon repeating a clinical rotation, if a grade of C+ or better is not obtained, the student will be given the grade that was earned and will be withdrawn from clinical and from the MLT program.

The following grading scale will be used:

4.0 = 100/A+	3.2 = 89.6/B+	2.4 = 79.2/C+	1.6 = 68.8/D+
3.9 = 98.7/A+	3.1 = 88.3/B+	2.3 = 77.9/C+	1.5 = 67.5/D+
3.8 = 97.4/A+	3.0 = 87.0/B+	2.2 = 76.6/C+	1.4 = 66.2/D+
3.7 = 96.1/A+	2.9 = 87.7/B+	2.1 = 75.3/C+	1.3 = 64.9/D
3.6 = 94.8/A	2.8 = 84.4/B	2.0 = 74.0/C	1.2 = 63.6/D
3.5 = 93.5/A	2.7 = 83.1/B	1.9 = 72.7/C	1.1 = 62.3/D
3.4 = 92.2/A	2.6 = 81.8/B	1.8 = 71.4/C	1.0 = 61.0/D
3.3 = 90.9/A	2.5 = 80.5/B	1.7 = 70.1/C	0.9 = 60.0/D

Performance Rating of Affective Evaluations:

Students are evaluated based on the categories listed on the Affective Domain Evaluation form. Each category includes a points-based rating that correlates to student performance. The total points will be added together and divided by '39' to determine the student's grade in this category.

The following grading scale will be used:

39/39 = 100/A+	31 / 39 = 79.4/C+
38/39 = 97.4/A+	30 / 39 = 76.9/C+
37/39 = 94.8/A	29/39 = 74.3/C
36/39 = 92.3/A	28/39 = 71.7/C
35/39 = 89.7/B+	27/39 = 69.2/D+
34/39 = 87.1/B+	26/39 = 66.6/D+
33/39 = 84.6/B	25/39 = 64.1/D
32/39 = 82.0/B	24/39 = 61.5/D

Affective Domain

Clinical Experience Guidelines & Expectations

BEHAVIORAL OBJECTIVES:

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on the Technical Evaluation form and the Affective Domain form.

During the clinical experience, the student will:

- Function in a professional manner.

AFFECTIVE PERFORMANCE

The student will demonstrate appropriate performance in:

- Confidentiality
- Attendance
- Appearance
- Interpersonal relationships
- Cooperation
- Initiative
- Responsibility
- Application of theory to practice
- Judgment and analytical ability
- Quality of work

Phlebotomy Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on the Phlebotomy Evaluation form and the Affective Domain form.

During the phlebotomy clinical experience, the student will:

- Function as a phlebotomist under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed below, it is not necessary to simulate it.

LABORATORY PERFORMANCE

The student will:

- Be well organized in work area – prepare area/tray with supplies prior to blood collections
- Approach patients in a courteous and friendly manner, demonstrate professional attitude in interacting with patients
- Identify patients correctly
- Follow proper labeling procedures
- Perform blood collection using proper venipuncture techniques
- Perform blood collection using proper capillary techniques (fingerstick, heelstick)
- Obtain blood samples in a reasonable amount of time
- Follow proper specimen handling requirements for all specimens
- Communicate well with laboratory and other health professionals
- Follow safety procedures and guidelines

PHLEBOTOMY PROCEDURES

The student will successfully complete 50 blood collection procedures. Failure to complete 50 successful blood collections may result in a grade deduction in Clinical Education.

Chemistry Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on both the Chemistry, Hematology, and Urinalysis Evaluation form and the Affective Domain form.

During the chemistry clinical experience, the student will:

- Function as a Medical Laboratory Technician under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed in the objectives below, it is not necessary to simulate it.

GENERAL

The student will:

- Be well organized in work area – keep area neat and clean
- Pay attention to specimen identification
- Label tubes and/or slides properly
- Follow test procedures
- Accurately perform multiple tasks simultaneously
- Demonstrate safety within the laboratory

LABORATORY PERFORMANCE

The student will:

- Perform and interpret the appropriate quality control
- Perform and evaluate calibrations
- Perform appropriate preventative maintenance
- Perform analyses on automated analyzer
- Review and analyze automated data
- Troubleshoot instrument and specimen errors
- Determine acceptability of specimens
- Perform and interpret specimen analysis
- Correlate results with patient condition
- Perform and interpret calculations
- Recognize critical values and delta failures, and demonstrate an understanding of the importance of such values
- Demonstrate appropriate action when patient results exceed assay range or when questionable results are obtained
- Perform or observe electrophoresis

Hematology & Coagulation Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75 % is earned on the Chemistry, Hematology, and Urinalysis Evaluation form and the Affective Domain form.

During the hematology and coagulation clinical experience, the student will:

- Function as a Medical Laboratory Technician under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed in the objectives below, it is not necessary to simulate it.

GENERAL

The student will:

- Be well organized in work area – keep area neat and clean
- Pay attention to specimen identification
- Label tubes and/or slides properly
- Follow test procedures
- Accurately perform multiple tasks simultaneously
- Demonstrate safety within the laboratory

LABORATORY PERFORMANCE

The student will:

- Perform and interpret the appropriate quality control
- Perform and evaluate calibrations
- Perform appropriate preventative maintenance
- Perform analyses on automated analyzers, including, but not limited to:
- Determine acceptability of specimens
- Perform and interpret specimen analysis
- Correlate results with patient condition
- Performs and interprets calculations
- Recognize critical values and delta failures, and demonstrate an understanding of the importance of such values
- Demonstrate appropriate action when patient results exceed assay range or when questionable results are obtained
- Perform microscopic and manual testing
- Prepare peripheral blood smears
- Demonstrate proper use and care of the microscope
- Perform body fluid analysis
- Observe bone marrow specimen preparation

MANUAL DIFFERENTIALS

The student will successfully complete 50 manual differentials. Failure to complete 50 manual differentials may result in a grade deduction in Clinical Education.

Urinalysis & Kit Testing Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on both the Chemistry, Hematology, and Urinalysis Evaluation form and the Affective Domain form.

During the urinalysis and kit testing clinical experience, the student will:

- Function as a Medical Laboratory Technician under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed in the objectives below, it is not necessary to simulate it.

GENERAL

The student will:

- Be well organized in work area – keep area neat and clean
- Pay attention to specimen identification
- Label tubes and/or slides properly
- Follow test procedures
- Accurately perform multiple tasks simultaneously
- Demonstrate safety within the laboratory

LABORATORY PERFORMANCE

The student will:

- Perform and interpret the appropriate quality control for test procedures
- Determine the acceptability of specimens
- Perform and interpret specimen analysis
- Correlate results with patient condition
- Perform and interpret microscopic and manual testing
- Perform and interpret necessary back-up chemical tests
- Demonstrate proper use and care of the microscope
- Identify microscopic elements
- Correlate microscopic elements with macroscopic and chemical testing
- Perform and interpret kit testing

URINE MICROSCOPICS

The student will successfully complete 50 urine microscopic examinations. Failure to complete 50 urine microscopic examinations may result in a grade deduction in Clinical Education.

Microbiology Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on both the Microbiology Evaluation form and the Affective Domain form.

During the microbiology clinical experience, the student will:

- Function as a Medical Laboratory Technician under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed below, it is not necessary to simulate it.

GENERAL

The student will:

- Be well organized in work area – keep area neat and clean
- Pay attention to specimen identification
- Label tubes and/or slides properly
- Follow test procedures
- Accurately perform multiple tasks simultaneously
- Demonstrate safety within the laboratory

LABORATORY PERFORMANCE

The student will:

- Assess adequacy of specimens
- Perform and interpret the appropriate quality control for test procedures
- Perform culture set-ups, select proper media, and incubate appropriately
- Recognize colony morphology of common bacteria
- Differentiate normal flora from pathogens
- Identify the key biochemical reactions of commonly isolated Enterics
- Isolate a pure culture from one organism
- Inoculate ID/MIC panels and biochemical correctly
- Set up and interpret antibiotic resistance tests
- Prepare and stain smears correctly
- Report a direct Gram stain according to an established key
- Recognize the morphology of different types of bacteria and identify various cells (WBC, RBC, and epithelial cells).
- Correlate smear results with culture results
- Perform slide cultures on fungal samples
- Identify yeasts
- Perform maintenance, calibrations, and quality control on automated analyzers
- Set up and interpret testing on automated analyzers, including: identification and susceptibility

Transfusion Services Clinical Experience

Guidelines & Expectations

At the conclusion of this clinical rotation, the student will have achieved the following: Achievement will be met when a minimum score of 75% is earned on the Transfusion Service Evaluation form and the Affective Domain form.

During the transfusion services clinical experience, the student will:

- Function as a Medical Laboratory Technician under direct supervision from his/her clinical instructor. If the clinical site does not perform any of the testing listed below, it is not necessary to simulate it.

GENERAL

The student will:

- Be well organized in work area – keep area neat and clean
- Pay attention to specimen identification
- Label tubes and/or slides properly
- Follow test procedures
- Accurately perform multiple tasks simultaneously
- Demonstrate safety within the laboratory
- Recognize significant antigen-antibody reactions

LABORATORY PERFORMANCE

The student will:

- Assess adequacy of specimens
- Perform and interpret the appropriate quality control for test procedures
- Perform and interpret ABO/Rh forward and reverse grouping procedures with 100% accuracy
- Perform and interpret weak D testing
- Perform and interpret antigen typing
- Perform and interpret antibody detection procedures
- Perform and interpret antibody identification procedures
- Perform and interpret compatibility testing procedures
- Follow prescribed procedures for dealing with incompatibilities
- Perform and interpret direct antiglobulin tests
- Discuss transfusion reaction workup procedures
- Determine product inventory and perform routine donor processing procedures
- Demonstrate proper handling and storage of donor units
- Identify various components and their indications, contraindications, and hazards
- Identify special needs including irradiation, leukoreduction, and CMV negative
- Perform and interpret tests for cord blood studies
- Explain and apply the criteria for the administration of Rh Immune Globulin
- Demonstrate and understanding of qualitative and quantitative tests for Fetal Maternal Hemorrhage

- Perform maintenance, calibrations, and quality control on automated analyzers
- Perform testing on automated analyzers