York Hospital Medical Laboratory Science Program

About the Program

The Medical Laboratory Science Program is a 12-month program for college students sponsored by York Hospital. The program typically serves as a student's senior year of college (3+1 option), but applicants with a B.S. degree (4+1) who meet the entrance requirements will be considered as well.

The mission of the program is to prepare undergraduate students at the pre-professional level for the practice of medical laboratory science. The curriculum encompasses not only didactic and clinical activities and experiences, but also professional and leadership skills development. The program instills the values of integrity, teamwork, and respect for people; and promotes the concepts of life-long learning and fiscal responsibility. The program culminates with the student attaining career-entry competence as a Medical Laboratory Scientist.

To accomplish this mission the program strives to:

- Provide educational experiences relevant and appropriate to medical laboratory science
- Prepare graduates for certification and/or licensure in medical laboratory science
- Encourage individual personal and professional growth and development
- Broaden community awareness of the profession of medical laboratory science
- Help meet the demand for competent practitioners in a variety of laboratory settings and venues

Class size and schedule
Six students are accepted each year. During the program, students attend classes and participate in various clinical activities. Time is divided between the classroom and the laboratory setting. Classes typically begin the third week of July and continue for 50 weeks. Students routinely attend class from 8 a.m. to 4 p.m. Monday through Friday. There are no holiday assignments, however clinical rotations may include some evening, night, and weekend assignments.

Curriculum
Curriculum activities provide for laboratory skills development and mastery, as well as a knowledge base in medical laboratory science. Acquiring this knowledge and perfecting these skills enables program graduates to function in most laboratory settings - including hospital, physician office, reference, research and industrial laboratories.

College/University Affiliations
These colleges and universities provide the necessary science prerequisites for the pre-professional program at York Hospital and are affiliated with the program at York Hospital:

- Bloomsburg University
- Indiana University of Pennsylvania
- Millersville University
- Shippensburg University
- Slippery Rock University
- York College of Pennsylvania
Accreditation
The York Hospital Medical Laboratory Science Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), a professional agency that establishes educational standards for baccalaureate level programs in medical laboratory sciences. NAACLS is located at 5600 N. River Road, Suite 720, Rosemont, IL, 60018; telephone 737.714.8880. NAACLS may be contacted via their web site at: www.naacls.org.

For More Information

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York Hospital Medical Laboratory Science Program

About the profession

The practice of medicine relies heavily upon the information obtained through performing clinical laboratory tests. Laboratory testing plays a critical role in the detection, diagnosis and treatment of disease. More than 80% of a physician’s decisions regarding a patient's diagnosis and treatment are based on laboratory test results. The role of the Medical Laboratory Scientist (also known as a Medical Technologist or Clinical Laboratory Scientist) (MLS/MT/CLS) is to ensure the accuracy and validity of these test results.

The MLS uses complex biomedical instruments, often interfaced with computers, to analyze blood, body fluids, and tissues. These lab professionals monitor quality of laboratory results, recognize testing errors, and detect and correct problems that may occur during the testing process. They help research and develop new methods for testing and evaluate new instruments. They may be involved with teaching other health care professionals and training laboratory staff. Some may become supervisors, giving guidance and direction to both technical and support personnel. Others may choose to become managers, taking responsibility for budgeting, staffing, productivity, quality management, problem resolution, planning and more.

There are many advantages to entering the profession of medical laboratory science:

- **Employment opportunities.** Job placement is excellent; there are more jobs than graduates.
- **Employable skills.** Graduates are able to put their talents to work immediately following the completion of their education.
- **Transferable skills.** Individuals may decide to switch career paths and find their previous education experience is very beneficial in other health professions.
- **Constant challenges and changes.** New methods, instruments, diseases, treatments and more keep professionals stimulated and continually learning.
- **Status.** As health care professionals, graduates may be involved in a variety of interdisciplinary tasks and functions, using their expertise to improve health care services for patients.

Employment opportunities abound for medical laboratory scientists. Jobs are available not only in hospital laboratories, but also in physicians' offices, public health facilities, industry, sales, marketing, and research. MLSs may continue their education and advance to positions in health administration or elect to pursue graduate studies to become physicians, veterinarians, physician assistants, pathologists' assistants, and more.

Education Options

The MLS is an individual with a baccalaureate degree in Medical Laboratory Science (Medical Technology or Clinical Laboratory Science). The education includes both college courses and clinical courses with clinical experiences.

There are several curriculum options:

- A student may enroll in a college or university majoring in medical laboratory science (medical technology or clinical laboratory science). The curriculum usually is set up as a "2+2" program; students take only college courses during the first two years and during the last two years take college courses AND clinical courses with clinical experiences. The college or university holds the accreditation and awards the degree.
A student may elect a "3+1" curriculum. With this option, students take three years of college or university courses, then apply to accredited hospitals for the 12-month program of clinical study that includes both clinical courses and laboratory experiences. Upon successful completion of the clinical program, the student receives college or university credit and is awarded a baccalaureate degree and a certificate from the clinical program.

An individual with a degree in Biology or Chemistry may apply to an accredited hospital as a "4+1" option. If they have completed the appropriate required science courses, they may compete with "3+1" students for placement. A few colleges or universities grant a second degree to individuals completing this option. Applicants with a baccalaureate degree must have completed the required coursework within seven years of the application.

An individual who is certified as a medical laboratory technician/clinical laboratory technician (MLT/CLT) may elect to complete baccalaureate degree requirements. Depending upon the college or university, this student may be eligible to matriculate directly into the MLS/MT/CLS major. The student may also apply to a hospital program after receiving a degree and may be eligible for an individualized program of study.

There are many colleges and universities that offer the CLS/MT/MLS major. Contact the college or university of choice for information on the major and its requirements.

Graduates usually become certified as a Medical Laboratory Scientist when they have completed the education requirements. Certification is beneficial and a requirement for many job opportunities and for post-graduate study. National certification is recognized in all states and identifies, to employers, the competence of the job applicant.

The organization that provides certification opportunities for medical laboratory scientists is the American Society for Clinical Pathology – Board of Certification. http://www.ascp.org/FunctionalNavigation/certification.aspx
York Hospital Medical Laboratory Science Program

Admission Requirements

Students without a baccalaureate degree at the time of application must have completed all college requirements BEFORE the start of the clinical program. In addition to completing college-specified courses to receive a baccalaureate degree, the applicant must have completed the following program prerequisites:

- **Biological Science**
  Minimum 16 semester hours of courses acceptable to the major that encompass areas such as Microbiology, Immunology, Anatomy/Physiology and Genetics. Highly recommended courses are Applied/Pathogenic Microbiology and Molecular Biology. Cellular Biology and Biology Seminar are suggested electives. Courses SHOULD include labs.

- **Chemistry**
  Minimum 16 semester hours of courses acceptable to the major that encompass areas such as General Chemistry, Analytical Chemistry, and Organic and/or Biochemistry. Courses MUST include labs.

- **Others**
  A minimum of one course in college-level Mathematics is required. Statistics is recommended. An introductory course in computer literacy is also recommended.

Applicants with a baccalaureate degree must have completed the required coursework within seven years of their application. If not, the applicant must update his/her academic preparation to the approval of the program (grade C or better). Courses in Microbiology, Genetics, Immunology, and Biochemistry are most often used to ensure academic preparedness.

An applicant with a degree from a foreign university must have his/her transcript evaluated for U.S. equivalency. This evaluation will determine the applicant's eligibility for application by assessing the academic preparation or deficiency. The ability to communicate readily in English orally and in writing is an essential requirement for the program.

Preference for placement is given to students applying from one of the colleges/universities affiliated with the clinical program: Bloomsburg University, Indiana University of Pennsylvania, Millersville University, Shippensburg University, Slippery Rock University, and York College of Pennsylvania. These affiliations ensure that students have completed necessary and relevant courses and that the students will receive college credit for the program at York Hospital, if appropriate.

Applicants will be considered from other colleges that provide the necessary prerequisite courses and that agree to establish a temporary affiliation agreement which assures students will receive appropriate credit for the clinical year.

Students may apply after completion of the sophomore year of college for the clinical program starting in July of the following year. Application may be made before the college course work is completed; however, the student may not begin the clinical program until all required courses are completed to the satisfaction of the program.

Students must possess certain physical and mental attributes to be able to complete the curriculum. The functional expectations for students in the program include:
• functional use of the senses of smell, vision, and somatic sensation
• effective and efficient oral and written communication in English, allowing the student to communicate with all members of the healthcare team
• sufficient motor function to perform all tasks that are normally expected within the scope of practice for the practitioner in the workplace
• ability to comprehend, calculate, reason, analyze, synthesize, integrate and apply information
• emotional health allowing for the use of the student's intellectual abilities
• professional demeanor and behavior
• ability to meet the academic expectations of the program

Prior to the start of the program, each student will receive a detailed list of these essential functions. A student must meet these expectations without or with reasonable accommodation.

In addition to the essential functions, students are required to undergo pre-placement health screening. This screening includes PPD testing, Ishihara's color-blindness test, a health history, immunization compliance, and a urine drug screen. Criminal background checks will be performed prior to admitting any student to the program. A student who fails the drug screen or criminal background check will not be allowed to enter the program.

The ability of an individual to participate in and complete the instructional activities of the program will be determined through discussion among the applicant, the program officials, the student's personal physician, and the EHS physician, as appropriate.

APPLICANTS FOR ADMISSION TO THE PROGRAM WILL RECEIVE EQUAL CONSIDERATION REGARDLESS OF RACE, COLOR, RELIGIOUS OR SEXUAL PREFERENCE, ETHNIC OR NATIONAL ORIGIN, AGE OR SEX.
York Hospital Medical Laboratory Science Program

Selection Procedure

The York Hospital MLS Program utilizes an Admissions Committee. This committee uses an objective point system to select students for the class from the qualified applicant pool. This system is based on the cumulative grade point average, the science GPA, college affiliation, reference letters and an interview rating by the committee. A maximum 100 points are possible. Points are assigned using the following scale:

<table>
<thead>
<tr>
<th>Cumulative GPA</th>
<th>Points</th>
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<tbody>
<tr>
<td>3.9 to 4.00</td>
<td>15</td>
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<tr>
<td>3.8 to 3.89</td>
<td>14</td>
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<tr>
<td>3.6 to 3.79</td>
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<tr>
<td>3.4 to 3.59</td>
<td>12</td>
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<td>3.0 to 3.19</td>
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<tr>
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<table>
<thead>
<tr>
<th>Science GPA</th>
<th>Points</th>
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<tbody>
<tr>
<td>3.9 to 4.00</td>
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<table>
<thead>
<tr>
<th>College Affiliation</th>
<th>Points</th>
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<tbody>
<tr>
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<tr>
<td>Transfer to Affiliate</td>
<td>10 to 15</td>
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<tr>
<td>Non Affiliate</td>
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<thead>
<tr>
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</thead>
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<tr>
<td>Average</td>
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<td>Unacceptable</td>
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<table>
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<tr>
<th>Reference Forms (x2)</th>
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<tr>
<td>Recommend</td>
<td>3</td>
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<tr>
<td>Reserved Recommend</td>
<td>1</td>
</tr>
<tr>
<td>Do Not Recommend</td>
<td>0</td>
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The Admission Committee tallies points for all qualified applicants. Those with the highest scores are offered class positions. Because these students may not elect to accept a class position, the committee also ranks several alternates according to their scores.

Class selections and notifications usually occur at the end of November or early in December. Students who accept class positions are expected to honor their commitment to the York Hospital MLS Program.
York Hospital Medical Laboratory Science Program

Program Curriculum

The courses included in the curriculum are:

Clinical Chemistry
Includes enzymology, endocrinology, biochemistry of lipids, carbohydrates and proteins, metabolism of nitrogenous end products, physiology and metabolism of fluids and electrolytes, and toxicology as related to the body and diseases. Technical procedures include spectrophotometry, electrophoresis, chromatography, automation, and quality control. Stresses the correlation of disease states and laboratory data. Lecture and lab: 7 credits.

Clinical Hematology/Coagulation
Deals with the composition and function of blood, diseases related to blood disorders, the role of platelets, and coagulation. Manual and automated techniques of diagnostic tests for abnormalities are included. Lecture and lab: 4 credits.

Clinical Immunohematology
Examines blood antigens, antibodies, cross-matching, hemolytic diseases, and related diagnostic tests. An in-depth study of blood donor services and its facets such as transfusions, component preparation, medico-legal aspects and more are included. Lecture and lab: 3-4 credits.

Clinical Immunology/Molecular Diagnostics
Encompasses the immune response, immunoglobulins, autoimmunity, complement and related tests, and diseases. Includes a survey and demonstration of serological diagnostic tests. Lecture and lab: 3 credits.

Clinical Microbiology
Examines the identification and clinical pathology of bacteria, fungi, viruses, and parasites. Involves techniques to isolate, stain, culture, and determine antimicrobial susceptibility. Stresses infection prevention and control. Instrumentation and quality control are included. Lecture and lab: 7 credits.

Clinical Seminar
Includes an introduction to medical laboratory practice, clinical microscopy (urinalysis), medical terminology, blood collection techniques, basic leadership skills development, educational methodology, and enhancement site assignments. Lecture and lab: 5-6 credits.

The curriculum is structured to provide the principles of Medical Laboratory Science through didactic presentations, laboratory exercises, and practical experience within a clinical laboratory setting.

The program is divided into two semesters. During the first semester, Clinical Chemistry and Clinical Microbiology are presented. Students are taught some techniques and the use of some instrumentation in a student laboratory setting. All students are assigned to various workstations in the clinical laboratory. The first semester also includes lab practice, medical terminology, blood collection techniques, Clinical Microscopy, and leadership skills development (all part of Clinical Seminar).
Second semester includes Clinical Immunology, Clinical Hematology, Clinical Immunohematology, and the remainder of Clinical Seminar topics. Lectures, group discussions, student laboratory activities, and rotation assignments in service laboratories are used as effective learning opportunities during both semesters.

Students are evaluated not only on academic achievement, but also on practical skills development and mastery, and on professional behaviors exhibited throughout the year. Instructional objectives are provided to students to facilitate the learning process. Evaluation mechanisms are designed to measure attainment of these objectives.

Grades are submitted to colleges after the first semester and upon completion of the clinical year. The college awards the appropriate credit and the baccalaureate degree; the program assigns grades for the clinical courses and presents a certificate of completion.

Throughout the year, students are required to maintain a 70% average in all courses. Verbal and written notification of academic probation will result if grades fall below 70%. Failure to improve academic standing after notification may result in dismissal from the program. The faculty is willing to provide individual tutoring, within reason, for any student who requests additional help.

Appeals for change of grade are handled initially with the instructor and the student requesting the grade review. If arbitration is necessary, the program director will intervene. Change of grade appeals also may be continued through the student's collegiate channels. Academic and non-academic concerns may be addressed through the grievance procedure for allied health students (detailed in the student handbook).
York Hospital Medical Laboratory Science Program

About the Clinical Facilities

Department of Laboratory Services
The program uses the facilities of the York Hospital Department of Laboratory Services to provide much of the clinical experience for its students. The hospital laboratory performs more than five million billable test procedures each year. State-of-the-art instrumentation includes an automated line for chemistry and immunochemistry testing, an automated line for hematology testing, analyzers for coagulation testing, analyzers for urinalysis testing, blood gas analyzers, blood cell separators for therapeutic and preparative procedures, micro-processor-based identification systems for microorganisms, analyzers for molecular diagnostics testing and point of care analyzers.

The clinical laboratories are accredited by the College of American Pathologists and licensed by the Commonwealth of Pennsylvania. Transfusion Services and Blood Resources divisions are accredited by the American Association of Blood Banks and licensed by the Federal Drug Administration. The various divisions of the laboratory participate in proficiency testing programs as part of continuous quality improvement monitoring.

Laboratory administration includes nine pathologists, four pathologists' assistants, two doctoral scientists, an administrative director, and an operations manager. Each technical area of the laboratory is directed by a division manager. More than 360 technical and support employees staff the Department of Laboratory Services.

The laboratory is integrated with a hospital-wide computer system. The laboratory system handles patient data reporting, statistical compilations, workload organization, quality control functions and data retrieval. Laboratory patient data is compiled with data from other areas of the health system to comprise a clinical information system that is used by physicians and other caregivers to serve the needs of patients.

Most laboratory instrumentation is interfaced directly with the computer; this facilitates data reporting. Students as well as the laboratory staff use the laboratory computer system routinely.

Other Facilities
The Central Pennsylvania Alliance Laboratory (CPAL) is a regional reference laboratory located in York. Students are assigned to CPAL for brief rotations that provide an opportunity to experience additional laboratory instrumentation and procedures not provided in the hospital's laboratory.

Other resources for student use include the health system's library and the Emig Research Center. The Philip A. Hoover, M.D. Library houses many volumes of health-related books, numerous medical, nursing and allied health journals, and online search capabilities.

The Emig Research Center has facilities and staff to assist with research projects. Individual and group instruction, training, consultation and technical assistance are provided.

The student laboratory houses two computer workstations with Internet access, as well as access to a variety of other programs and applications. Some software programs are used as part of the instruction in various disciplines, while other uses include remediation and review.
York Hospital Medical Laboratory Science Program

Tuition & Expenses

Program Expenses:

Application Fee: $30
This fee must be submitted at the time of application.

Matriculation Deposit: $300
This amount is due at the time of acceptance into the program.

Tuition: $8,600
The tuition is for the 12-month program. Payment is divided into two installments; half of the amount is due by the end of July and the remainder is due by the end of January.

General Fee: $325
This expense helps defray the cost of personal safety devices and equipment required for each student, of handouts, and of background checks. This fee is payable at the start of the clinical year.

Textbooks: ~$150
Students are required to purchase textbooks for use during the clinical year. The program uses an online bookstore for course texts. Many additional reference books are available to students through the medical library and through the program's library.

Related Expenses:

Room and/or Board: Variable
Housing is not available at the hospital. Students are responsible for their own housing. Students are able to purchase meals in the hospital dining room at the discounted employee prices.

Transportation: Variable
Students are responsible for their own transportation to all program functions. Some clinical activities are not provided at York Hospital. Transportation to off-campus assignments is the student's responsibility.

Uniforms: Variable
Students are required to wear scrub uniforms. The laboratory provides impervious lab coats for students. Appropriate dress guidelines are furnished to those entering the program.

Medical Insurance: Variable
Students are NOT considered hospital employees for purposes of insurance and, therefore, must provide their own health insurance to cover any necessary medical expenses during the clinical year. College seniors may be eligible for campus policies at their own expense.

Non-residents of the York area may be seen in the Family Practice Center in lieu of a local family physician. Students are responsible for paying any fees related to services provided by the Family Practice Center.
College/University Fees: Variable
Students who are considered college seniors while completing the clinical program are obligated to pay whatever college fees are applicable, even though the students are not on the college campus. Payment of such fees may provide the students certain rights and privileges of the college/university during the senior year.

Certification Examination Application Fee: $225
Payment of the application fee must accompany the student’s application to take the Board of Certification Exam.

ALL FEES SUBJECT TO CHANGE WITHOUT NOTICE

Refund Policy

Refunds apply to TUITION only. Other fees and charges paid are NOT refundable.

<table>
<thead>
<tr>
<th>Week of withdrawal from program</th>
<th>Amount of Tuition refund</th>
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<tbody>
<tr>
<td>1 or 2</td>
<td>80%</td>
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<tr>
<td>3 or 4</td>
<td>60%</td>
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<tr>
<td>5 or 6</td>
<td>40%</td>
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<tr>
<td>7 or 8</td>
<td>20%</td>
</tr>
<tr>
<td>&gt; 8</td>
<td>None</td>
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York Hospital Medical Laboratory Science Program

Financial Aid

Financial assistance may be obtained from any of the following sources:

- **Student's college/university**: Contact the Financial Aid Office for information on loans and scholarships.
- **J. P. Whiteley Clinical Laboratory Science Scholarship**: Scholarship exists to assist a student in the York Hospital MLS Program. Awarded annually by the J. P. Whiteley CLS Scholarship Committee.
- **Professional organizations**: Awards, scholarships and/or loans may be offered to qualified students.
- **Part-time employment**: The Department of Laboratory Services may offer evening, night and/or weekend employment. Job assignments are based on the service needs of the laboratory and the competence of the individual student. Policies governing employment of students are detailed in the student handbook.
- **Tuition reimbursement**: Students may be eligible for tuition reimbursement through WellSpan Health if they were employees prior to the start of the clinical program and if they continue to work a specified number of hours per pay period while in the program. Contact the Human Resources Department for details.
Graduate Competencies

The curriculum is designed to provide the student with the theoretical and practical knowledge, attitudes, and skills necessary for competence at career-entry as a graduate medical laboratory scientist. Although job responsibilities vary, graduates will be able to:

- Perform clinical laboratory tests commonly encountered in a mid-size hospital laboratory in the areas of Chemistry, Hematology/Hemostasis, Immunohematology, Immunology/Serology, Microbiology and Molecular Diagnostics; discern the acceptability of patient samples for testing, assure the accuracy and precision of test results; perform and assess quality control results and verify test results; identify and resolve commonly encountered equipment problems, perform preventive maintenance measures; comply with acceptable safety procedures; evaluate procedures, equipment and laboratory products as to practicality, usefulness and feasibility based on the availability of specific resources;
- Assist with the development and evaluation of test systems and interpretive algorithms; correlate test results with patient data recognizing the need for additional (reflex) and/or more specific testing; create and/or interpret algorithms, flowcharts, etc. which aid in differential diagnosis;
- Have responsibilities in analysis and clinical decision-making such as recognizing and resolving issues related to pre-analytical, analytical and post-analytical steps of the testing process; apply strategies to impact proper test utilization; promote the use of cost effective laboratory tests;
- Recognize applicable regulations (CLIA, HIPAA, FDA, state of PA) and participate in laboratory compliance efforts; acknowledge accreditation standards (Joint Commission, CAP, AABB) and the laboratory's role in meeting these standards;
- Demonstrate knowledge of educational methodologies by selecting appropriate strategies depending upon the learners (patients, health care providers, laboratory staff, classmates and/or faculty);
- Identify quality assurance measures and participate in performance improvement activities in the clinical laboratory;
- Demonstrate communication skills in order to consult with other members of the health care team, to educate the general public and to assist patients via acceptable customer service interactions;
- Use basic knowledge of laboratory financial, operational, marketing and human resource management to understand the need for cost-effective, high-quality, value-added laboratory services in today's health care systems;
- Utilize a laboratory information system and recognize the significance of information technology in providing timely and accurate laboratory services; and
- Evaluate published research studies in regard to acceptable research design as an informed consumer and review refereed journals pertinent to medical laboratory science.

Upon successful completion of the program, each graduate is presented with a certificate of completion. The graduate's college will award a baccalaureate degree, if appropriate. The graduate is then eligible for certification as a medical laboratory scientist by passing a national certification examination. Information on the ASCP Board of Certification Exam is supplied during the clinical year. The student will decide whether to become certified. Certification is a means of verifying career-entry competence; it is desirable in many job circumstances and in pursuing post-graduate education.
The certification agency for laboratory professionals is the ASCP - Board of Certification (ASCP-BOC). From 1994 - 2011, 97% of our graduates (94/97) have passed the certification exam on their first attempt. From 2006 – 2011, 100% of our graduates (35/35) have passed the certification exam on their first attempt.

The program cannot guarantee job placement at York Hospital. However, program graduates are given preference for employment with the Department of Laboratory Services if positions are available. Other employers may contact the program when they have employment opportunities available. The program will assist with job placement whenever possible.

Graduates of the program have found employment in various laboratory settings:

- 76% hospital labs
- 9% reference labs
- 7% pharmaceutical/industrial labs
- 1% physician office labs
- 7% other
York Hospital Medical Laboratory Science Program

Student Withdrawal

A student who is considering withdrawal from the York Hospital MLS Program must meet with the Program Director to discuss the circumstances leading to the decision to withdraw from the program. If applicable, the student must contact his/her academic advisor for advice and guidance concerning options for meeting degree requirements in lieu of the clinical program. The Program Director may initiate this dialog.

After review of the decision, the student must complete the Student Status Change Form and forward it to the Program Director.

The student will be responsible for paying for any instruction received until the status change goes into effect. The amount of tuition assessed the student will be:

<table>
<thead>
<tr>
<th>Weeks of instruction</th>
<th>Amount of Semester Tuition Assessed</th>
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<tbody>
<tr>
<td>1 - 2</td>
<td>20%</td>
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<tr>
<td>3 - 4</td>
<td>40%</td>
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<tr>
<td>5 - 6</td>
<td>60%</td>
</tr>
<tr>
<td>7 - 8</td>
<td>80%</td>
</tr>
<tr>
<td>&gt; 8</td>
<td>100%</td>
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The student must return his/her name badge, parking hang tag, loaner textbooks, and any borrowed educational materials belonging to the program. The student must clean out his/her locker and student workstation.
York Hospital Medical Laboratory Science Program

Directory

Program Administration
Program Director Ed Beitz, MS, MLS(ASCP)CM
Medical Director Abby W. Davis, M.D.

Clinical Instructors
Clinical Chemistry Melody R. Botterbusch, MT(ASCP)
Clinical Hematology Christina M. Reap, MLS(ASCP)CM
Clinical Immunohematology Barbara L. Steiber, MT(ASCP)
Clinical Immunology Melody R. Botterbusch, MT(ASCP)
Clinical Microbiology Heather M. Hildebrand, MLS(ASCP)CM

Additional Didactic Instructors
Clinical Chemistry Stephen M. Manzella, Ph.D.
Clinical Immunology Arthur E. Crist, Jr., Ph.D.

Adjunct Faculty
Bloomsburg University Judith Kipe-Nolt, Ph.D.
Indiana University of PA Joyce Shanty, Ph.D.
Millersville University Timothy I. Ladd, Ph.D.
Shippensburg University David R. Long, Ph.D.
Slippery Rock University Carolyn S. Steglich, Ph.D.
York College of Pennsylvania Marie E. Dunstan, MS
How to Apply

Instructions for the Applicant

For your convenience, these instructions have been formatted as a checklist to help you proceed with your application to the York Hospital MLS Program.

Procedure

<table>
<thead>
<tr>
<th>Date Completed</th>
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Print ONE copy of the Application for Admission, ONE copy of the Functional Expectations Form, and TWO copies of the Reference Form. __________

When completing the Application for Admission, be as concise as possible. If you are living on campus, please include the name of your college/university on the address line. **HANDWRITE** your response when completing the section on reason(s) for applying to York Hospital on Page 2 of the Application for Admission. __________

Read and sign the Functional Expectations for MLS Students Form and submit with your application. __________

Remit a check in the amount of $30 payable to York Hospital with your completed Application for Admission form. Mail to the address listed below (also listed on the application form). If you do not submit the application fee, your application will not be processed. __________

If you have not completed degree requirements or all of the science prerequisites, submit a list of courses you plan to take with your application. __________

Suggest several possible dates for a personal interview with the Admissions Committee. The Admissions Committee includes the program director and a faculty member. Indicate whether morning or afternoon is convenient for an appointment. Summer interviews may be arranged, if necessary. The interview lasts about two hours and includes a tour of laboratory facilities and an opportunity to talk with either current students or a recent program graduate. Submit with your application. __________

If you are attending a college/university that is NOT affiliated with York Hospital, you must submit an outline of the Medical Technology/Clinical Laboratory Science/Medical Laboratory Science curriculum at your college/university, listing required courses, possible electives, etc. __________

Complete the box at the top of each of the Reference Forms. Submit one reference form to a biology professor/lab instructor and one reference form to a chemistry professor/lab instructor. It is appropriate to choose someone from each discipline who can address your laboratory performance in that discipline. __________

Request that the Registrar send an OFFICIAL TRANSCRIPT of completed college courses to the:

Program Director
Medical Laboratory Science Program
York Hospital
1001 S. George St.
York, PA 17405

An OFFICIAL TRANSCRIPT is required from each college or university where you have taken any science or math course. __________

All materials pertinent to your application must be received by the last day of October the year before the class you wish to enter.