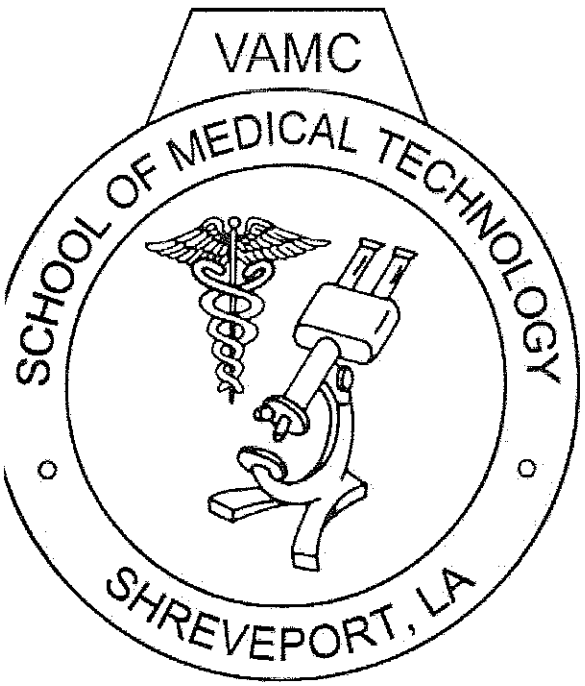
Department of Veterans Affairs

OVERTON BROOKS VA MEDICAL CENTER SHREVEPORT, LOUISIANA



SCHOOL Of MEDICAL TECHNOLOGY ONLINE ABRIDGED

PROGRAM GOALS AND ENTRY LEVEL COMPETENCIES:

(The course of study at the Overton Brooks VA Medical Center will from here forward be referred to as the *Program.*)

The expectation for a student completing this curriculum is entry level competency as a laboratory professional and award of certification. Program completion and program certificate enables national certification exam qualification and/or Bachelor's degree by affiliated university. The degree and the Program's certificate of completion are not contingent on the student passing a certification exam.

At career entry, graduates of this program will be:

- Proficient in performing the full range of clinical laboratory testing in areas such as hematology, clinical chemistry, immunohematology, microbiology, serology/immunology, coagulation, molecular, and other emerging diagnostics

- Ready to assume a role in the development and evaluation of test systems and interpretive algorithms.

- Prepared for the diverse responsibilities in areas of analysis and clinical decision-making, regulatory compliance with applicable regulations, education, and quality assurance/performance improvement wherever laboratory testing is researched, developed or performed

- Possess basic knowledge, skills and relevant experiences in:

  - Communications to enable consultative interactions with members of the healthcare team, external relations, customer service and patient education;

  - Financial, operations, marketing and human resource management of the clinical laboratory to enable cost-effective, high-quality, value added laboratory services;

  - Information management to enable effective, timely, accurate, and cost-effective reporting of laboratory-generated information, and;

  - Research design/practice sufficient to evaluate published studies as an informed consumer.

TO MEET THESE GOALS AND COMPENTENCIES:

The Program is one year long and accepts students twice a year, starting the first week of January and July.

Students will undertake the following coursework:

Course	Weeks- Practical	Hours Lecture
Chemistry	7	66
Urinalysis	3	11
Hematology	6	42
Coagulation	3	
Bacteriology	9	33
Blood Bank	6	27
Parasitology, Mycology, Mycobacteriology	5	16
Serology	3	24
Electrophoresis	3	
Orientation/Management/Research Design	1	30
Phlebotomy	1	
Total	46	249

ORIENTATION - introduction to the hospital environment, confidentiality, safety, and medical ethics.

CLINICAL BACTERIOLOGY - Advanced concepts in the use and interpretation of medical bacteriological procedures and data.

CLINICAL BACTERIOLOGY LABORATORY - Practical instruction and laboratory practice in the development and use of advanced analytical procedures and instrumentation in clinical bacteriology.

CLINICAL PARASITOLOGY, MYCOLOGY, MYCOBACTERIOLOGY - Advanced concepts in the use and interpretation of procedures and data in clinical parasitology, mycology, and mycobacteriology.

CLINICAL PARASITOLOGY, MYCOLOGY, AND MYCOBACTERIOLOGY LABORATORY - Practical instruction and laboratory practice in the use of advanced analytical procedures in clinical parasitology, mycology, and mycobacteriology.

CLINICAL PHLEBOTOMY – Practical instruction and practice in phlebotomy.

CLINICAL CHEMISTRY - Advanced concepts in the theory, application and interpretation of biochemical mechanisms and methods.

CLINICAL CHEMISTRY LABORATORY - Practical instruction and laboratory practice in the development and use of advanced analytical procedures and instrumentation in clinical chemistry.

CLINICAL HEMATOLOGY - Advanced concepts in theory, application and interpretation of hematolological and hemostatic mechanisms and methods.

CLINICAL HEMATOLOGY LABORATORY - Practical instruction and laboratory practice in the development and use of advanced analytical procedures and instrumentation in clinical hematology and hemostasis.

CLINICAL IMMUNOHEMATOLOGY - Advanced concepts in the theory, application and interpretation of immunohematological procedures and data.

CLINICAL IMMUNOHEMATOLOGY LABORATORY - Practical instruction and laboratory practice in immunohematological procedures.

CLINICAL SEROLOGY AND IMMUNOLOGY - Advanced concepts in the theory, application and interpretation of serological and immunological mechanisms and methods.

CLINICAL SEROLOGY AND IMMUNOLOGY LABORATORY - Practical instruction and laboratory practice in the performance of serological and immunological procedures.

CLINICAL URINALYSIS - Advanced concepts in the theory, application and interpretation of urinalysis procedures and data.

CLINICAL URINALYSIS LABORATORY - Practical instruction and laboratory practice in the development and use of advanced analytical procedures and instrumentation in the performance of urinalysis procedures.

CLINICAL LABORATORY ADMINISTRATION - Modern management concepts for the clinical laboratory

The Medical Center:

The School of Medical Technology at the Overton Brooks VA Medical Center is located within the Pathology and Laboratory Medicine Service (P&LMS) in the medical center in Shreveport, Louisiana. The Overton Brooks VA Medical Center is a 112 bed acute tertiary care and teaching institution providing approximately 365,778 outpatient visits per year for the veteran patient. The Medical Center is accredited by the Joint Commission on Accreditation of Hospitals (JCAHO).

The Laboratory:

The Pathology and Laboratory Medicine Service (P&LMS) performs approximately 1.7 million analyses annually for the medical center in Shreveport and three community based clinics in Monroe, LA, Texarkana, TX and Longview, TX. P&LMS is accredited by the College of American Pathologists (CAP).

The School:

The School of Medical Technology was established in 1974. It is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119, (847) 939-3597. NAACLS essentials are provided in separate link. The faculty consists of Clinical Laboratory Professionals whose primary responsibility is diagnostic testing. Their enthusiasm and experience are an important part of the information exchange during this clinical year as the instructors work one-on-one with the students at the bench or provide formal lectures. The school has over 300 Medical Technologist/Clinical Laboratory Scientist graduates to date.

PRE-PROFESSIONAL COURSE REQUIREMENTS
Three admission criteria:

1. Students enrolled in an affiliated university
   All pre-professional courses required for the baccalaureate degree at the student's university must be completed before entry to the program. (Consult with your university advisor.)

2. Students who have a baccalaureate degree from an accredited college or university

   The coursework is strongly recommended to include:

   Biology - 16 semester hours to include microbiology; immunology, genetics, physiology, and anatomy are strongly recommended.

   Chemistry – general chemistry, general chemistry lab, and organic or biochemistry are required

   Mathematics - 3 semester hours (college algebra or a higher level course)

3. Students enrolled in a non-affiliated university
   All pre-professional courses required for the baccalaureate degree at the student's university must be completed before entry to the program. A special agreement between this program and the applicant's university, which is acceptable to NAACLS, must also be in place.

ADMISSION NOTES:

- The Program does not grant college credits. Academic credit is only available to students enrolled in an affiliated university course of study. The credits awarded are based on the individual university academic requirements. You can refer to university catalogues for detailed listing of credits awarded for the CLS program.

- Applicants with coursework from foreign universities must meet additional requirements specified by the Department of Veterans

Affairs and NAACLS. Foreign university transcripts must be evaluated by an agency performing this service.

- Criteria for the selection of students are consistent with Title VI of the Civil Rights Act of 1964.

The minimum acceptable GPA is 2.7 cumulative and science.

- Preprofessional coursework completed seven or more years prior to application must be repeated.

CERTIFICATE AND DEGREE

Upon successful completion of the program, students will be awarded a certificate from the Overton Brooks VA Medical Center School of Medical Technology. Students enrolled in a university will be awarded a Bachelor of Science degree by their institutions. All successful students are eligible to take an examination to be certified as a Clinical Laboratory Professional and become licensed.

Students must maintain a satisfactory average (76 or above) to be awarded the certificate of completion. Students who average less than a 76 in a course will repeat the laboratory section or lecture series, or review the subject matter and be retested. Students who have not mastered the subject matter after repeating and/or reviewing, will be dismissed from the program.

UNIFORMS

The VA Medical Center supplies 5 sets of uniforms for each student admitted to the Program. These uniforms must be returned to the Medical Center prior to graduation from the Program.

HEALTH AND SAFETY

A physical examination and TB testing will be required prior to beginning the program.

In services covering hospital and laboratory safety and infection control are given during the orientation week. Lab coats and gloves are required when handing blood or body fluids. Masks and eye protection are available when needed.

The hepatitis B and flu vaccinations are offered to students at no charge. Emergency care is available through employee health for students who are injured on station. Students are responsible for their own health care costs. We do not require liability or health insurance for our students, as we do not for our employees. We do however strongly recommend that students carry health insurance and that they establish a local primary care physician.

DISCLAIMER

Information contained in this bulletin is subject to change without notice and does not constitute an irrevocable contract between an applicant and the Overton Brooks VA Medical Center, the Medical Technology Program or Department of Veterans Affairs.

John S Davis is the Program Director.
Office: (318) 990-5569.
Email: john.davis36@va.gov
Mailing address:

John S Davis
Clinical Laboratory
Overton Brooks VA Medical Center
510 East Stoner Avenue (113)
Shreveport, LA 71101-4295

Application Procedures

Submit the following information and documentation by the published deadlines for consideration for admission to the Program.

Complete application packets consists of the following:

- Complete application for admission
- Current Official College Transcript
- Biographical statement of why you chose Medical Technology. Statement should be no longer than one-single spaced typed page or two-double spaced typed pages.
- Evaluation of transcript by current university faculty advisor
- **TWO** References (At least one from a Science Instructor who is NOT your Curriculum Advisor.) Please use the Reference Forms -- These forms must be signed by applicant, waiving the right to information provided. This is a two page form – be sure your references have both pages.
- Permission to review application and essential requirements form must be signed, dated and returned with application.

Only applicants with complete application packets, who meet all other program requirements, will be granted an interview.

Application Deadlines & Timelines:

January Admission
Postmarked by August 31
Interviews scheduled in September by Program Director
Notification of class selection beginning October 1

July Admission
Postmarked by February 28
Interviews scheduled in March by Program Director
Notification of class selection beginning April 1

Upon receipt of the completed admissions package, the Program Director will contact applicants to schedule individual interviews with the Admissions Committee. The Admissions Committee consists of the Program Director and representatives of the three major laboratory sections. The point system for student evaluation is as follows: 15 points: references, 15 points: overall GPA, 25 points: science GPA, 40 points: interview, and up to 5 points: qualified working experience. Applicants tour the lab and are introduced to the staff before or after the interview.

APPLICATION FOR ADMISSSION

OVERTON BROOKS VA MEDICAL CENTER
SCHOOL OF MEDICAL TECHNOLOGY(113)
510 E. Stoner Avenue, Shreveport, Louisiana 71101-4295

(PLEASE PRINT OR TYPE) DATE _____

NAME IN FULL _____
LAST FIRST MIDDLE

PRESENT OR SCHOOL ADDRESS _____

CITY_____STATE_____ZIP_____PHONE (____)_____

PERMANENT ADDRESS_____

CITY_____STATE_____ZIP_____PHONE(_____)_____

CITIZENSHIP (optional)_____SSN#_____ cell #_____

DATE OF BIRTH (optional)_____ e-mail address _____

WHEN DO YOU WISH TO ENTER THE SCHOOL? (CIRCLE ONE) JANUARY / JULY YEAR_____

EDUCATION

HIGH SCHOOL ATTENDED

_____

CITY _____ STATE_____ GRADUATION DATE _____

UNIVERSITY ATTENDED _____

CITY _____STATE_____GRADE POINT AVERAGE _____

DATE ENTERED_____ DEGREE? _____ IF YES, MAJOR _____

HAVE YOU HAD PREVIOUS TRAINING IN A MEDICAL LABORATORY? (CIRCLE ONE) YES / NO

IF YES, LABORATORY_____CITY _____

REFERENCE CONTACT INFORMATION:

NAME_____

TITLE_____

E-MAIL_____

PHONE_____

NAME_____

TITLE_____

E-MAIL_____

PHONE_____

Revised August 2011

Date: _____

I, _____ grant the Admissions Committee of the Overton Brooks VA Medical Center School of Medical Technology, Shreveport, Louisiana, permission to review all materials relative to my application for Medical Technology School, including my college transcript.

_____
(Signature of Applicant)

__ I have read, understand and believe I can fulfill the "Essential Functions" of the program.

__ I have read but do not understand or do not believe I can fulfill the "Essential Functions" of the program.

_____
(Signature of Applicant)

OVERTON BROOKS VA MEDICAL CENTER
SCHOOL OF MEDICAL TECHNOLOGY
Instructor or Employer Evaluation

Applicant's Name (print): _____

I,_____ waive the right to review information provided on this form.
(Signature of Applicant)

The above named student has submitted an application for the clinical year at our school. Evaluations recommendations made by science instructors and employers have proven to be very informative in the selection process. We respectfully ask that you evaluate this student for the characteristics or traits lis below and return the form (fax, E-mail or USPS) directly to the address at the end of the form. Thank: your assistance.

Please check the appropriate cell:

Characteristic		Excellent	Above Average	Average	Below Average	Unable to assess
Personal	Appearance					
	Cooperation					
	Integrity					
Communication Skills	Oral					
	Written					
Motivation	Attitude					
	Initiative					
	Punctuality					
Ability	Learning					
	Comprehension					
	& Correlation					
	Imagination					
	Originality					
Quality of Work	Organization					
	Accuracy					
	Technical					
	Competency					
Leadership	Judgment					
	Emotional Stability					
	Responsibility					

(continue on reverse side)

Your name:_____

Title: _____ How long have you known the applicant? _____

Employer or university affiliation _____

Date: _____ Telephone:_____ E-mail:_____

INTERACTION:

( ) Instructor in one class

( ) Instructor in several classes ( ) Employer

( ) Other

OVERAL RECOMMENDATION:

( ) Strongly recommend

( ) Recommend

( ) Recommend **with** reservations *

( ) Do not recommend

ADDITIONAL COMMENTS:
*

Thank you for your assistance.
Please return your evaluation directly to the School:
John S Davis, Program Director
Clinical Laboratory
Overton Brooks VAMC
School of Medical Technology (113)
510 East Stoner Avenue
Shreveport, LA 71101-4295
318-990-5569
318-990-5393 fax
john.davis36@va.gov

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	Cooperation					
	Integrity					
Communication Skills	Oral					
	Written					
Motivation	Attitude					
	Initiative					
	Punctuality					
Ability	Learning					
	Comprehension					
	& Correlation					
	Imagination					
	Originality					
Quality of Work	Organization					
	Accuracy					
	Technical					
	Competency					
Leadership	Judgment					
	Emotional Stability					
	Responsibility					

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