

Learning Plan: CSMLS Pre-Approved Course List Refresher Courses

Refresher Courses – Definition

Refresher courses are short courses aimed at helping one to recall and reinforce a subject that a person has previously acquired knowledge and skills in through a formal education process.

Pre-Approved Course List – Disclaimer

The courses listed in this package are designed to help you meet the objectives set out in your “Learning Plan”.

These courses have been reviewed by subject-matter experts in the field, to ensure that they are relevant and current. They are organized by the discipline they will address.

You will need to take all courses listed in a given option to meet the requirements of that discipline. Partial completions will not be accepted.

Course options include one (1) to nine (9) requirements and all requirements for the option you choose must be successfully completed.

The courses listed vary in cost, length of time and format. Some of the courses described are offered in an in-class setting and others online or a combination of both. In some cases, you will be required to obtain additional learning materials such as text books.

All courses are offered in English only, unless otherwise noted.

If you are unsure about the applicability of a course please contact the PLA department at the CSMLS offices.

Clinical Chemistry Course Options			
Option Number	Institution	Course Code	Course Name
1	Saskatchewan Polytechnic	CHEM 1804	Clinical Chemistry Refresher
2 Must successfully complete all three (3) courses	Michener Institute	CC859 & CC860 & CC861	Tutorials in Clinical Chemistry I & Tutorials in Clinical Chemistry II & Tutorials in Clinical Chemistry III
3 Must successfully complete all three (3) courses	Southern Alberta Institute of Technology (SAIT)	CHEM 102 & CHEM 104 & UANL 101	Analytical Chemistry – Theory & Clinical Chemistry (Theory) & Urinalysis Theory
4	British Columbia Society of Laboratory Science (BCSLs)	B2B CHEM	Back to Basics Chemistry
5	CSMLS	CSMLS Clinical Placement Blueprint	
6	Anderson College	IEMLT Bridging Program	

Hematology Course Options			
Option Number	Institution	Course Code	Course Name
1	Saskatchewan Polytechnic	HEMA 1800	Hematology Refresher
2	British Columbia Society of Laboratory Science (BCSLs)	B2B HEM	Back to Basics Hematology
3	Michener Institute	HE 837	Tutorials in Hematology & Coagulation
4	Southern Alberta Institute of Technology (SAIT)	HEMA 001	Hematology (Theory)
5	CSMLS	CSMLS Clinical Placement Blueprint	
6	Anderson College	IEMLT Bridging Program	

Histotechnology Course Options			
Option Number	Institution	Course Code	Course Name
1	Saskatchewan Polytechnic	HSTC 1800	Histotechnology Refresher
2	Michener Institute	HI901	Tutorials in Histology
3	Southern Alberta Institute of Technology (SAIT)	MEDL 102	Histology (Theory)
4	CSMLS	CSMLS Clinical Placement Blueprint	
5	Anderson College	IEMLT Bridging Program	

Microbiology Course Options			
Option Number	Institution	Course Code	Course Name
1	Michener Institute	MI905	Tutorials in Microbiology (molecular included)
2	CSMLS	CSMLS Clinical Placement Blueprint	
3	Anderson College	IEMLT Bridging Program	
For Microbiology course options 4, 5, or 6: If the Learning Plan indicates Molecular Diagnostic Techniques is to be included with Microbiology course work, either option 7 or 8 MUST also be successfully completed/			
Must successfully complete all nine (9) courses	CSMLS	9813 &	Staphylococci &
		9814 &	Streptococci &
		9820 &	Fastidious Gram-Negative Bacilli &
		9821 &	Neisseria and Moraxella &
		9828 &	Miscellaneous Gram-Positive Rods &
		9830 &	Enterobacteriaceae &
9831 &	Enterobacteriaceae: Media & Identification Tests &		
4878&	Anaerobic Bacteriology Part 1 &		
4879	Anaerobic Bacteriology Part 2		
5	Saskatchewan Polytechnic	MICR 1800	Microbiology Refresher

Microbiology Course Options

Option Number	Institution	Course Code	Course Name
6	Southern Alberta Institute of Technology (SAIT)	MBIO 102	Clinical Microbiology (Theory)
One of the following courses (7 or 8) is to be taken with Microbiology courses 4 or 5 or 6, if Molecular Diagnostic Techniques is required for Learning Plan completion.			
7	Michener Institute	MB800	Basic Molecular Biology Theory for Healthcare Professionals
8	Southern Alberta Institute of Technology (SAIT)	MEDL 105	Molecular Medicine Fundamentals

Transfusion Science Course Options

Option Number	Institution	Course Code	Course Name
1	Saskatchewan Polytechnic	TRFS 1800	Transfusion Science Refresher
2	CSMLS	4336	Transfusion Medicine Refresher Course
3	Michener Institute	IH903	Tutorials in Transfusion Science
4	CSMLS	9809 & 9811 & 9812 & 9834 & 9850	Adverse Effects of Blood Transfusion & Clinical Indications of Blood Components & Overview of Common Blood Group Systems & Routine and “Not-So-Routine” Methods in Transfusion Science & Immunology-Antigens
Must successfully complete all five (5) courses			
5	Southern Alberta Institute of Technology (SAIT)	MEDL 104	Transfusion Medicine Theory
6	CSMLS/ SCSLM	CSMLS Clinical Placement Blueprint/ Stage clinique autorisé par la SCSLM	
7	Anderson College	IEMLT Bridging Program	

Course Provider Contact Information

BCSLs:

Individuals wanting to register in the British Columbia Society of Laboratory Science (BCSLs) Continuing Education can register through their website at: <http://www.bcsls.net/pages/ed-training.html#back2basics> or at (604) 714-1760 or toll free at 1-800-304-0033 or by email at: bcsls@bcsls.net.

CSMLS/ SCSLM:

Individuals wanting to register in Canadian Society for Medical Laboratory Science (CSMLS) courses may contact the Learning Services Administrator (phone: (905) 528-8642 ext. 8698 or (905) 667-8698; email: coned@csmls.org) or register through our website on the [CSMLS Learning Centre webpage](#).

Michener Institute of Education at UHN:

Individuals wanting to register in a Michener Continuing Education course may contact the program assistant at (416) 596-3101 ext. 3451 or ce@michener.ca.

Saskatchewan Polytechnic:

Currently these refresher courses are **NOT** listed as available for general unclassified students and you will not find them on their website. You will be required to provide a copy of your Technical Report Learning Plan (TRLP) as these courses are available only to CSMLS PLA clients with a valid TRLP. Individuals wanting to register for one of the MLT courses at Saskatchewan may contact ConEd@saskpolytech.ca.

SAIT:

Individuals wanting to register in a Southern Alberta Institute of Technology (SAIT) Continuing Education course may contact the school at (403) 284-7248 or toll free: (877) 284-7248 or register through their website at: <https://coned.sait.ca/>.

Clinical Placement Blueprint:

All clinical placements **must** be done in Canada and be approved by CSMLS **before** starting. Email pla@csmls.org for more information.

Bridging Program:

For more information see the college website: <https://info.andersoncollege.com/medical-laboratory-technology-bridging-program/>

Note: The CSMLS is not responsible if PLA Clients cannot gain admission into any course/program or if they are cancelled due to any circumstances. PLA Clients are responsible to complete their TRLP before it expires. Failure to do so may result in a loss of eligibility to the exam, additional fees, and course work.