

Overview of Year

Microbiology & Clinical Lab Techniques

This course exposes scholars to the fundamentals of microbiology and laboratory techniques as they pertain to understanding and diagnosing human disease. Scholars will learn how to properly collect, handle, and process specimens using aseptic and sterile techniques. Key topics include health worker safety, infection control, identification and transmission of pathogens. Scholars will learn the principles of proper collection and analysis of urine, blood and other biological samples that aid the diagnosis, prevention, prognosis, and treatment of disease. They will become skillful at oil immersion microscopy, gram staining, and blood draws and collection.

SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APRIL	MAY	JUNE		
Unit 1 Introduction to the Clinical Laboratory Profession			Unit 2 Fundamentals of Microbiology		Unit 3 Urine & Routine Urinalysis		Unit 4 Blood & Hematology		Unit 5 Clinical Chemistry		Unit 6 Immunology