



# Course Book

<b>Course Description</b>	<p>Blood Bank technology is a course detailing on blood banking process. blood groups, blood transfusion complications, collection and storage of blood and components, general administration, personnel administration, and automated data processing are all topics that blood bank specialists are well-versed in the field. Course in Blood bank technology makes the students specialized to work in various settings, including private hospital blood banks, community blood banks, transfusion services, university-affiliated blood banks, and independent laboratories, among others.</p> <p>Blood bank technology professionals perform all blood bank operations, from simple testing to the most complex procedures. Specialists in blood banking technology operate in blood donation centers, transfusion services, reference laboratories, and research institutions. Instead of performing routine blood tests, blood bank technology professionals are trained to perform specialty tests such as immunohematology. Transplant or transfusion therapy frequently requires the assistance of a blood bank professional.</p> <p>As phlebotomists, blood bank workers receive professional training. They are educated to work with a variety of patients in various situations, such as collecting and identifying blood types in patients. Under the supervision of clinical laboratory technologists, they also analyses the obtained blood and collect blood for the blood center.</p>
<b>Course objectives</b>	<p>After the students complete this course, they gain knowledge and can work on multiple things like:</p> <p>Antigen testing, compatibility testing, and antibody identification</p> <p>Students are trained in investigating abnormalities such as hemolytic anemias, and transfusion responses.</p> <p>Candidates support physicians with transfusion therapy for patients with (blood clotting disorders) coagulopathies.</p> <p>Selecting donors, collecting blood, typing blood, and molecular testing are all part of the blood collection and processing process.</p> <p>They guarantee patient safety; viral marker testing is performed.</p>