LEBANESE INTERNATIONAL UNIVERSITY

Major Title: Bachelor of Biomedical Sciences
Major Code: BBMED
Level: underGraduate
Number Of Credits: 105
Date: 24-09-2026

Bachelor of Biomedical Sciences (BBMED)

Program Objectives

Objective	Description
PO-1	Develop graduates with strong biomedical knowledge, critical thinking, and an evidence-based approach to laboratory and biomedical problems.
PO-2	Prepare graduates for competent professional practice in biomedical laboratories, with appropriate attention to accuracy, safety, quality, and professional standards.
PO-3	Foster ethical conduct, accountability, teamwork, effective communication, and responsibility toward patients, healthcare, and society.
PO-4	Promote professional growth through evidence-based, quality-focused, accountable practice and effective communication, as a foundation for lifelong learning.

Program Learning Outcomes

Outcome	Description
PLO-1	Explain key biomedical concepts and relate them to normal and abnormal human structure and function.
PLO-2	Apply principles of biology, chemistry, biochemistry, physics, physiology, and statistics to biomedical and laboratory problems.
PLO-3	Perform appropriate clinical laboratory procedures accurately and reliably using suitable specimens, methods, equipment, and laboratory techniques.
PLO-4	Implement laboratory safety and biosafety, quality-control, quality-assurance, quality-improvement, and standard operating procedures in routine laboratory practice.
PLO-5	Evaluate laboratory results and biomedical findings for analytical validity, clinical significance, and relevance to physiological and pathological conditions.
PLO-6	Analyze laboratory data with appropriate statistical methods for evidence-based conclusions.
PLO-7	Demonstrate ethical, accountable, and socially responsible professional conduct, collaborate effectively in teams, and engage in reflective, self-directed lifelong learning in biomedical and laboratory practice.
PLO-8	Communicate information, ideas, and scientific concepts clearly and accurately in written and oral formats, using appropriate terminology and conventions across academic, professional, and biomedical contexts.