

## Program learning outcomes



**Submitted By**

Department of Biology  
College of Science  
Majmaah University  
Saudi Arabia

<b>Knowledge and Understanding</b>	
<b>K1</b>	Recognize the basic concepts, principles, scientific terminologies and facts in all major biological disciplines and other related sciences.
<b>K2</b>	Outline the different biological processes of the living organisms showing the adaptation to the environment
<b>K3</b>	Gain basic knowledge on identification, routine procedures and technical requirements of different scientific tools and equipment.
<b>Skills</b>	
<b>S1</b>	Apply biological concepts using integration of academic knowledge and professional skills in biological sciences
<b>S2</b>	Investigate relatively complex scientific problems, facts and opinions using a range of knowledge extension to recommend classical or innovative solutions with limited guidance.
<b>S3</b>	Demonstrate functions of macromolecules (e.g. DNA, proteins, lipids etc.,) in different biological systems and their applications
<b>S4</b>	Use perfectly the living specimens, slides and instruments in the biological experiments
<b>Values, Autonomy, and Responsibility</b>	
<b>V1</b>	Exhibit ethical and professional responsibilities to scientific problems.
<b>V2</b>	Communicate effectively individually and in groups inside and outside the university.