

Curriculum - Department of Applied Biological Chemistry

■ – Compulsory Subjects ■ – Elective Subjects

Classes		1st Year	2nd Year	3rd Year	4th Year	
Specialized Subjects	Basic Education Subjects	Biological Chemistry I · II Biological Experiments Chemistry I · II Chemical Experiments Physics Geology Mathematics	Experiments in Physics Experiments in Earth Science Information Science	Scientific English I · II		
	Specialized Education Subjects	Life Sciences	Biological Chemistry I Cell Biology	Biological Chemistry II Microbiology I · II Laboratory Works in Biological Chemistry I Laboratory Works in Biological Chemistry VI Metabolic Biochemistry Biotechnology Microbial Technology	Animal Life Science Molecular Biology Fermentation Science and Technology Protein and Genetic Engineering	
		Food Science	Food Chemistry Food Habits	Nutrition Science I · II Animal Food Science & Technology I Food Resources Animal Food Resources Utilization of Food Food Processing Practice	Animal Food Science & Technology II Laboratory Works in Biological Chemistry V Laboratory Works in Biological Chemistry VII Food Safety and Hygiene Food Palatability / Food Functionality Food Preservation	
		Bioorganic Chemistry	Organic Chemistry I Physical Chemistry I	Organic Chemistry II Physical Chemistry II Pesticide Science I Laboratory Works in Biological Chemistry II · III Bio-organic Chemistry Organic Natural Product Chemistry Bio-physical Chemistry	Pesticide Science II Laboratory Works in Biological Chemistry VI Cosmetic Chemistry Bioregulation Chemistry Rheology for Polymer Solutions and Materials	
		Common to All Courses	Introduction to Applied Biological Chemistry Analytical Chemistry Plant Life Science Inorganic Chemistry I Agricultural Practice Special Topics in Agrobiological Resources Special Topics in Agriculture	Inorganic Chemistry II Statistics Technology for Plant and Animal Production	Instrumental Analysis Laws on Food Rural Areas & Environment Public Hygiene Chemical Engineering Plant and Animal Science	
				Seminar I	Seminar II Undergraduate Research	